

FEDERAL REGISTER

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Agricultural Stabilization and
Conservation Service
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PART 301—DOMESTIC QUARANTINE NOTICES

Subpart—Japanese Beetle

REGULATED AREAS

Under the authority of § 301.48-2 of the Japanese Beetle Quarantine regulations, 7 CFR 301.48-2, as amended, 33 F.R. 11888, a supplemental regulation designating regulated areas is hereby issued to appear in 7 CFR 301.48-2a as follows:

§ 301.48-2a Regulated areas; suppressive and generally infested areas.

The civil divisions, and parts of civil divisions, described below, are designated as Japanese beetle regulated areas within the meaning of the provisions of this subpart; and such regulated areas are hereby divided into generally infested areas or suppressive areas as indicated below:

CONNECTICUT

- (1) *Generally infested area.* The entire State.
- (2) *Suppressive area.* None.

DELAWARE

- (1) *Generally infested area.* The entire State.
- (2) *Suppressive area.* None.

DISTRICT OF COLUMBIA

- (1) *Generally infested area.* The entire District.
- (2) *Suppressive area.* None.

GEORGIA

- (1) *Generally infested area.*
 - Banks County.* The entire county.
 - Barrow County.* That portion of the county lying within Georgia Militia Districts 1744, 243, and 1743, and that portion of Georgia Militia Districts 1740 and 316 lying north of U.S. Highway 29, including the cities of Auburn and Carl.
 - Cherokee County.* Georgia Militia Districts 1031, 1000, 818, 1174, 1010, and 1015.
 - Clayton County.* Georgia Militia Districts 548, 1189, 1408, 1446, 1644, and 1088.
 - Cobb County.* That portion of the county lying south of State Highway 120, including all the area within the corporate limits of the city of Marietta, and that portion of Georgia Militia Districts 1319, 1679, and 897 lying north of State Highway 120.
 - Dawson County.* The entire county.
 - De Kalb County.* That portion of a county bounded by a line beginning at a point where the Fulton-Gwinnett-De Kalb County lines intersect and extending southeast along the De Kalb-Gwinnett County line to the junction of said line and Interstate Highway 85, thence southwest along Interstate Highway 85 to its intersection with Interstate Highway 285, thence south and west along Interstate Highway 285 to its intersection with the De Kalb-Fulton County line, thence north and east along said line

to the point of beginning; and that portion of Georgia Militia District 1342 lying south of Interstate Highway 285.

Fannin County. Georgia Militia Districts 1027, 1242, 1488, and 1308, and that portion of Georgia Militia District 913 lying east of State Highway 60, including the city of Morgantown.

Fayette County. That portion of the county lying within Georgia Militia Districts 1248, 709, and 1262, and that portion of Georgia Militia District 496 lying north of State Highway 54, including the city of Fayetteville.

Forsyth County. The entire county.

Franklin County. Georgia Militia Districts 211, 812, and 212, and that portion of Georgia Militia Districts 1686, 263, and 264 lying north of State Highway 59, including the city of Carnesville.

Fulton County. The entire county, excluding Georgia Militia Districts 1165, 757, and 652.

Gilmer County. Georgia Militia Districts 864, 932, 1355, 1498, and 1091.

Gwinnett County. That portion of the county lying within Georgia Militia Districts 406, 550, 1263, 1604, 1587, 1740, 1397, and that portion of 444 north of State Highway 124.

Habersham County. The entire county.

Hall County. The entire county.

Jackson County. That portion of the county lying north of Interstate Highway 85 and that portion of Georgia Militia District 1765 lying south of Interstate Highway 85.

Lumpkin County. The entire county.

Madison County. That portion of the county lying within Georgia Militia District 262.

Pickens County. That portion of the county lying east of State Highway 5, including the city of Jasper; and that portion of Georgia Militia Districts 1129 and 1492 west of State Highway 5.

Rabun County. The entire county.

Richmond County. That portion of the county lying north of Butler Creek and that area lying north of Spirit Creek between the Savannah River and State Highway 56.

Stephens County. The entire county.

Towns County. The entire county.

Union County. Georgia Militia Districts 994, 995, 1241, and 834.

White County. The entire county.

(2) *Suppressive area.*
Spalding County. That portion of the county lying within the corporate limits of the city of Griffin.

ILLINOIS

(1) *Generally infested area.*

Coles County. Secs. 1, 2, 3, and the portions of secs. 11 and 12 located outside the city limits of Mattoon. T. 12 N., R. 7 E.; secs. 25, 34, 35, and 36, T. 13 N., R. 7 E.; sec. 6, T. 12 N., R. 8 E.; secs. 30 and 31, T. 13 N., R. 8 E.; secs. 2, 3, and that portion of sec. 11 outside the city limits of Charleston. T. 12 N., R. 9 E.; and secs. 34 and 35, T. 13 N., R. 9 E.

Cook County. That portion of the city of Chicago and vicinity bounded by a line beginning at a point where First Avenue (State Highway 171) intersects with Cermak Road; thence east along Cermak Road to South Halsted Street; thence south on South Halsted Street to its intersection with West 31st Street; thence east along West 31st Street and East 31st Street to the point where an extension of 31st Street would intersect

the Lake Michigan shoreline; thence south-eastward along the Lake Michigan shoreline to its intersection with East 79th Street; thence west on East 79th Street to its intersection with Commercial Avenue; thence south along Commercial Avenue and its extension to the intersection with East 95th Street; thence west along East 95th Street to its intersection with Stoney Island Avenue; thence south along Stoney Island Avenue to its intersection with the Calumet Expressway (Interstate 94); thence generally south along Calumet Expressway (Interstate 94) to its intersection with 167th Street (in some instances, this street is known as 170th Street); thence west along 167th Street and its extensions to its intersection with Cicero Avenue (State Highway 50); thence north along Cicero Avenue (State Highway 50) to its intersection with Tri-State Tollway (Interstate 294); thence in a north-westerly direction along Tri-State Tollway (Interstate 294) to its intersection with La Grange Road (Highway U.S. 45); thence north-west and north along La Grange Road (Highway U.S. 45) to its intersection with Joliet Road (Highway U.S. 66); thence north-east on Joliet Road (Highway U.S. 66) to its intersection with First Avenue (State Highway 171); thence north on First Avenue (State Highway 171) to the point of beginning.

Iroquois County. That portion of the county lying east of State Highway 49.

La Salle County. Secs. 13, 14, 23, 24, 25, 26, 35, and 36, T. 31 N., R. 3 E.; and secs. 18, 19, 30, and 31, T. 31 N., R. 4 E.

(2) *Suppressive area.*

Madison County. T. 3 N., R. 9 W., including the cities of Granite City, Madison, and Venice; and T. 3 N., R. 10 W.

St. Clair County. That portion of the county lying north of U.S. Highway 40; and that area bounded on the west by Kings Highway (Illinois No. 111), on the south by Bunkum Road, on the east by Black Lane Road, and on the north by the Madison-St. Clair County line.

INDIANA

(1) *Generally infested area.*

Allen County. The entire county.
Benton County. The entire county.
Boone County. The entire county.
Carroll County. The entire county.
Cass County. The entire county.

Clark County. That portion of the county bounded by a line beginning at a point where State Highway 62 intersects the Floyd-Clark County line; thence extending northeastward along said highway to the point where it junctions with State Highway 131; thence northeastward along said highway to the point where it intersects Interstate Highway I-65; thence continuing in a northeastward direction along the bituminous surfaced road located on the northern boundary of secs. 20 and 21 to the point where it junctions with Allison Lane; thence southeastward along said lane to the Ohio River; thence westward along the Ohio River to the point where it intersects the Floyd-Clark County line; thence north along said line to the point of beginning.

Clinton County. The entire county.

Daviess County. Secs. 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36, T. 3 N., R. 7 W.; and secs. 1, 2, 3, 4, 5, and 6, T. 2 N., R. 7 W.

De Kalb County. The entire county.

Elkhart County. The entire county.

Fulton County. The entire county.
Huntington County. The entire county.
Jasper County. The entire county.
Kosciusko County. The entire county.
Lagrange County. The entire county.
Lake County. The entire county.
La Porte County. The entire county.
Lawrence County. T. 4 N., R. 2 W.; secs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18, T. 3 N., R. 2 W.
Marion County. The entire county.
Marshall County. The entire county.
Martin County. The entire county.
Miami County. The entire county.
Montgomery County. The entire county.
Newton County. The entire county.
Noble County. The entire county.
Orange County. Secs. 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36, T. 3 N., R. 2 W.
Porter County. The entire county.
Pulaski County. The entire county.
Putnam County. Secs. 4, 5, 6, 7, 8, 9, T. 16 N., R. 3 W.; secs. 1, 2, 3, 10, 11, and 12, T. 16 N., R. 4 W.
St. Joseph County. The entire county.
Starke County. The entire county.
Steuben County. The entire county.
Tippecanoe County. The entire county.
Vanderburgh County. The entire county.
Vigo County. The entire county.
Wabash County. The entire county.
Wayne County. The entire county.
Wells County. The entire county.
White County. The entire county.
Whitley County. The entire county.
 (2) *Suppressive area.*
Jefferson County. Secs. 12, 13, 24, and 25, T. 3 N., R. 9 E.; secs. 5, 6, 7, 8, 17, 18, 19, 20, 29, and 30, T. 2 N., R. 10 E.; secs. 2, 3, 4, 5, 6, 7, 8, 18, 19, 30, 31, and 32, T. 3 N., R. 10 E.; and secs. 32, 33, 34, and 35, T. 4 N., R. 10 E.
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KENTUCKY

(1) *Generally infested area.*
Bath County. The entire county.
Bell County. The entire county.
Boone County. The entire county.
Boyd County. The entire county.
Campbell County. The entire county.
Carroll County. The entire county.
Carter County. The entire county.
Clay County. The entire county.
Elliott County. The entire county.
Estill County. The entire county.
Fleming County. The entire county.
Floyd County. The entire county.
Gallatin County. That portion of the county bounded by a line beginning at the intersection of the Carroll-Gallatin County line and the Ohio River; thence east along the Ohio River to a point where the extension of County Road 184 meets the Ohio River; thence south along the extension of County Road 184 and County Road 184 to its intersection with the Carroll-Gallatin County line; thence north along the Carroll-Gallatin County line to the point of beginning.
Grant County. The entire county.
Greenup County. The entire county.
Harlan County. The entire county.
Jefferson County. That portion of the county bounded by a line beginning at the Sherman Milton Bridge over the Ohio River; thence extending northeast along the Ohio River to a point opposite Blankenbaker Lane; thence south on Blankenbaker Lane to Interstate Highway 71; thence east on Interstate Highway 71 to the Henry Watterson Expressway; thence south on Henry Watterson Expressway to Breckenridge Lane; thence south on Breckenridge Lane to Taylorsville Road; thence east on Taylorsville Road to Hun-

singer Lane; thence south on Hunsinger Lane to Fredericks Lane; thence south on Fredericks Lane to Bardstown Road; thence southeast on Bardstown Road to the Jefferson-Bullitt County line; thence west on the Jefferson County line to Pendleton Road; thence northwest on Pendleton Road to Dixie Highway; thence southwest on the Dixie Highway to Watson Lane; thence northwest on Watson Lane and its extension to the Ohio River; and thence northeast up the river to the point of beginning at the Sherman Milton Bridge.

Johnson County. The entire county.
Kenton County. The entire county.
Knott County. The entire county.
Knox County. The entire county.
Laurel County. The entire county.
Lawrence County. The entire county.
Leslie County. The entire county.
Letcher County. The entire county.
Lewis County. The entire county.
Martin County. The entire county.
Mason County. The entire county.
Menifee County. The entire county.
Perry County. The entire county.
Pike County. The entire county.
Powell County. The entire county.
Rowan County. The entire county.
Whitley County. The entire county.
 (2) *Suppressive area.* None.

MAINE

(1) *Generally infested area.*
Androscoggin County. The entire county.
Cumberland County. The entire county.
Kennebec County. The entire county.
Lincoln County. The entire county.
Oxford County. The entire county.
Sagadahoc County. The entire county.
York County. The entire county.
 (2) *Suppressive area.* None.

MARYLAND

(1) *Generally infested area.* The entire State.
 (2) *Suppressive area.* None.

MASSACHUSETTS

(1) *Generally infested area.* The entire State.
 (2) *Suppressive area.* None.

MICHIGAN

(1) *Generally infested area.*
Barry County. Johnstown Township, secs. 25, 26, 35, and 36.
Calhoun County. The city of Battle Creek and the townships of Pennfield, Bedford, Battle Creek, and Emmett; in Leroy Township, secs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 28, 29, 32, and 33; in Newton Township, secs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, and 30; in Fredonia Township, secs. 6 and 7; in Marshall Township, secs. 2, 3, 4, 5, 6, 7, 8, 9, 10, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, and 33; in Convis Township, secs. 19, 30, 31, 32, 33, 34, and 35.
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(2) *Suppressive area.* None.
 NEW HAMPSHIRE
 (1) *Generally infested area.* The entire State.
 (2) *Suppressive area.* None.

NEW JERSEY

(1) *Generally infested area.* The entire State.
 (2) *Suppressive area.* None.

NEW YORK

(1) *Generally infested area.* The entire State.
 (2) *Suppressive area.* None.

NORTH CAROLINA

(1) *Generally infested area.* The entire State.
 (2) *Suppressive area.* None.

OHIO

(1) *Generally infested area.*
Adams County. The entire county.
Ashland County. The entire county.
Ashtabula County. The entire county.
Athens County. The entire county.
Belmont County. The entire county.
Brown County. The entire county.
Butler County. The townships of Fairfield, Hanover, Liberty, Morgan, Reilly, Ross, St. Clair, and Union; and cities of Fairfield and Hamilton.
Carroll County. The entire county.
Clermont County. The entire county.
Columbiana County. The entire county.
Coshocton County. The entire county.
Crawford County. The townships of Auburn, Chatfield, Cranberry, Jackson, Jefferson, Liberty, Polk, Sandusky, Vernon, and Whetstone; and the cities of Bucyrus, Crestline, and Gallon.
Cuyahoga County. The entire county.
Eric County. The entire county.
Fairfield County. The townships of Berne, Greenfield, Hocking, Liberty, Madison, Pleasant, Richland, Rush Creek, and Walnut; and the city of Lancaster.
Franklin County. The townships of Blendon, Clinton, Jefferson, Mifflin, Plain, Sharon, and Truro; and the cities of Bexley, Columbus, Grandview Heights, Marble Cliff, Reynoldsburg, Upper Arlington, Westerville, Whitehall, and Worthington.
Fulton County. The townships of Amboy and Fulton.
Gallia County. The entire county.
Geauga County. The entire county.
Guernsey County. The entire county.
Hamilton County. The entire county.
Hancock County. The township of Washington; and the city of Postoria.
Harrison County. The entire county.
Hocking County. The entire county.
Holmes County. The entire county.
Huron County. The entire county.
Jackson County. The entire county.
Jefferson County. The entire county.
Knox County. The entire county.
Lake County. The entire county.
Lawrence County. The entire county.
Licking County. The entire county.
Lorain County. The entire county.
Lucas County. The townships of Adams, Harding, Monclova, Oregon, Ottawa Hills, Providence, Richfield, Spencer, Springfield, Swanton, Sylvania, Washington, and Water-ville; and the cities of Maumee, Oregon, Sylvania, and Toledo.
Mahoning County. The entire county.
Marion County. The townships of Big Island, Claridon, Marion, and Tully; and the city of Marion.
Medina County. The entire county.
Meigs County. The entire county.
Monroe County. The entire county.

TENNESSEE

Morgan County. The entire county.
Muskingum County. The entire county.
Noble County. The entire county.
Perry County. The entire county.
Pike County. The entire county.
Portage County. The entire county.
Preble County. The township of Jefferson.
Richland County. The entire county.
Ross County. The townships of Colerain, Franklin, Green, Harrison, Huntington, Jefferson, Liberty, Paxton, Scioto, Springfield, and Twin; and the city of Chillicothe.
Sandusky County. The city of Bellevue.
Seneca County. The townships of Jackson and Loudon; and the city of Fostoria.
Scioto County. The entire county.
Stark County. The entire county.
Summit County. The entire county.
Trumbull County. The entire county.
Tuscarawas County. The entire county.
Vinton County. The entire county.
Warren County. The townships of Deerfield, Hamilton, Harlan, Salem, and Union; and the city of Loveland.
Washington County. The entire county.
Wayne County. The entire county.
Wood County. The townships of Lake, Perry, Perrysburg, Ross, and Rossford; and the cities of Fostoria and Perrysburg.

(2) *Suppressive area.* None.

PENNSYLVANIA

(1) *Generally infested area.* The entire State.

(2) *Suppressive area.* None.

RHODE ISLAND

(1) *Generally infested area.* The entire State.

(2) *Suppressive area.* None.

SOUTH CAROLINA

(1) *Generally infested area.*

Aiken County. The entire county.
Cherokee County. The entire county.
Dillon County. The entire county.
Florence County. The entire county.
Greenville County. The entire county.
Horry County. That portion of the county bounded by a line beginning at a point where State Secondary Highway 215 junctions with Bryant Road, thence extending northeast along said road to its intersection with 29th Avenue extension, thence southeast along said extension to its junction with the corporate limits of the city of Myrtle Beach, thence in a westerly direction along said corporate limits to its intersection with State Secondary Highway 215, thence north along said highway to the point of beginning.

Lancaster County. That area bounded by a line beginning at a point where State Primary Highway 9 (Business) junctions with U.S. Highway 521 (Business) and State Primary Highway 200, said junction being approximately 1 mile southeast of the intersection of State Primary Highway 9 (Bypass) and U.S. Highway 521, thence extending south and southwest along State Primary Highway 200 to its junction with State Primary Highway 914 and State Secondary Highway 25, thence northwest along State Primary Highway 914 to its junction with State Primary Highway 9 (Business), thence northeast along said highway to the point of beginning.

Lexington County. The entire county.
Marion County. The entire county.
Marlboro County. The entire county.
McCormick County. The entire county.
Oconee County. The entire county.
Pickens County. The entire county.
Richland County. The entire county.
Spartanburg County. The entire county.

(2) *Suppressive area.* None.

(1) *Generally infested area.*
Carter County. That portion of the county bounded by a line beginning at the intersection of Walnut Mountain Road and the south shoreline of Watauga Lake; thence extending in an easterly direction along the shoreline of Watauga Lake to its intersection with the Carter-Johnson County line and extending southeast along said line to the Tennessee-North Carolina State line; thence southwest along said State line to its intersection with Walnut Mountain Road; thence northwest along Walnut Mountain Road to the point of beginning.

Johnson County. The entire county.
Loudon County. The entire county except the southeast corner lying east of the Little Tennessee River and lying south of Federal Aid Secondary Road 2423.

Roane County. That portion of the county bounded by a line beginning at the intersection of U.S. Highway 70 and Federal Aid Secondary Road 2555; thence easterly along U.S. Highway 70 to the Roane-Loudon County line; thence south along said line to its intersection with the Tennessee River; thence in a westerly direction along the north shoreline of said river to its intersection with Wolf Creek; thence north along said creek to its intersection with Federal Aid Secondary Road 2555; thence north along said road to the point of beginning.

Sullivan County. That portion of the county bounded by a line beginning at the intersection of the Tennessee-Virginia State line and the western city limits of Bristol; thence easterly along said State line to its intersection with the Sullivan-Johnson County line; thence southwesterly along said county line to its intersection with the Right Prong Hatcher Creek; thence northwesterly along said creek to its intersection with Federal Aid Secondary Road 2373; thence westerly and northerly along said road to its intersection with the Bristol City limits; thence westerly and north along said city limits to the point of beginning.

That portion of the county lying within the incorporated city boundary and the unincorporated urban boundary of the city of Kingsport.

Washington County. That portion of the county lying within the incorporated city boundary and the unincorporated urban boundary of the city of Johnson City.

(2) *Suppressive area.* None.

VERMONT

(1) *Generally infested area.* The entire State.

(2) *Suppressive area.* None.

VIRGINIA

(1) *Generally infested area.* The entire State.

(2) *Suppressive area.* None.

WEST VIRGINIA

(1) *Generally infested area.* The entire State.

(2) *Suppressive area.* None.

(Secs. 8 and 9, 37 Stat. 318, sec. 106, 71 Stat. 33; 7 U.S.C. 161, 162, 150ee; 29 F.R. 16310, as amended; 7 CFR 301.48-2)

This supplemental regulation shall become effective upon publication in the FEDERAL REGISTER when it shall supersede 7 CFR 301.48-2a, effective December 28, 1968.

The Director of the Plant Pest Control Division has determined that infestations of the Japanese beetle exist or are

likely to exist in the civil divisions and parts of civil divisions listed above, or that it is necessary to regulate such localities because of their proximity to infestations or their inseparability for quarantine enforcement purposes from infested localities.

The Director has further determined that each of the quarantined States, wherein only portions of the State have been designated as regulated areas, is enforcing a quarantine or regulation with restrictions on intrastate movement of the regulated articles substantially the same as the restrictions on interstate movement of such articles imposed by the quarantine and regulations in this subpart, and that designation of less than the entire State as a regulated area will otherwise be adequate to prevent the interstate spread of the Japanese beetle. Therefore, such civil divisions and parts of civil divisions listed above, are designated as Japanese beetle regulated areas.

The purpose of this revision is to add to the regulated areas all or parts of the following counties: Barrow, Fayette, Jackson, and Madison in Georgia; Jefferson, Orange, and Switzerland in Indiana; Clay, Gallatin, and Powell in Kentucky; Hancock and Seneca in Ohio; and Loudon, Roane, Sullivan, and Washington in Tennessee. It also extends the regulated areas in some previously regulated counties.

This document imposes restrictions that are necessary in order to prevent the dissemination of Japanese beetles and should be made effective promptly to accomplish its purposes in the public interest. Accordingly, it is found upon good cause under the administrative procedure provisions of 5 U.S.C. 553, that notice and other public procedure with respect to the foregoing regulation are impracticable and contrary to the public interest, and good cause is found for making it effective less than 30 days after publication in the FEDERAL REGISTER.

Done at Hyattsville, Md., this 3d day of November 1969.

D. R. SHEPHERD,
 Director,
 Plant Pest Control Division.

[F.R. Doc. 69-13300; Filed, Nov. 6, 1969; 8:48 a.m.]

PART 354—OVERTIME SERVICES RELATING TO IMPORTS AND EXPORTS

Commuted Traveltime Allowances

Pursuant to the authority conferred upon the Director of the Plant Quarantine Division by § 354.1 of the regulations concerning overtime services relating to imports and exports (7 CFR 354.1), effective July 13, 1969 (34 F.R. 11548), administrative instructions (7 CFR 354.2), effective August 19, 1967, as amended February 9, 1968, April 19, 1968, July 25, 1968, December 14, 1968, February 19, 1969, June 6, 1969, July 12, 1969, August 14, 1969, and October 9,

1969 (32 F.R. 11981, 33 F.R. 2757, 5987, 10561, 18580, 34 F.R. 2351, 9025, 11547, 13148, 15636), prescribing the commuted traveltime that shall be included in each period of overtime or holiday duty, are hereby amended by adding to and deleting from the "lists" therein as follows:

§ 354.2 Administrative instructions prescribing commuted traveltime.

OUTSIDE METROPOLITAN AREA

TWO HOURS

Add: Baytown, Tex. (served from Houston, Tex.).

THREE HOURS

Delete: Baytown, Tex. (served from Houston, Tex.).

FOUR HOURS

Add: Arecibo, P.R. (served from San Juan, P.R.).

These commuted traveltime periods have been established as nearly as may be practicable to cover the time necessarily spent in reporting to and returning from the place at which the employee performs such overtime or holiday duty when such travel is performed solely on account of such overtime or holiday duty. Such establishment depends upon facts within the knowledge of the Plant Quarantine Division. It is to the benefit of the public that this amendment be made effective at the earliest practicable date. Accordingly, pursuant to the provisions of 5 U.S.C. 553, it is found upon good cause that notice and public procedure on this amendment are impracticable, unnecessary, and contrary to the public interest, and good cause is found for making this amendment effective less than 30 days after publication in the FEDERAL REGISTER.

(64 Stat. 561; 7 U.S.C. 2260)

This amendment shall become effective upon publication in the FEDERAL REGISTER.

Done at Hyattsville, Md., this 3d day of November 1969.

[SEAL]

F. A. JOHNSTON,
Director,
Plant Quarantine Division.

[F.R. Doc. 69-13299; Filed, Nov. 6, 1969; 8:48 a.m.]

Chapter IV—Federal Crop Insurance Corporation, Department of Agriculture

PART 401—FEDERAL CROP INSURANCE

Subpart—Regulations for the 1969 and Succeeding Crop Years

APPENDIX; DISCONTINUANCE OF INSURANCE IN COUNTIES PREVIOUSLY DESIGNATED FOR POTATO CROP INSURANCE

The counties listed below are hereby deleted from the list of counties published in the FEDERAL REGISTER on August 26, 1969 (34 F.R. 13651), which

were designated for potato crop insurance for the 1970 crop year pursuant to the authority contained in § 401.101 of the above-identified regulations.

CALIFORNIA

Modoc.

IDAHO

Bannock.
Bingham.
Bonneville.
Canyon.
Cassia.

Jefferson.
Minidoka.
Owyhee.
Power.
Twin Falls.

OREGON

Jefferson.
Klamath.

Malheur.

WASHINGTON

Adams.
Franklin.

Grant.

(Secs. 506, 516, 52 Stat. 73, as amended, 77, as amended; 7 U.S.C. 1506, 1516)

[SEAL] RICHARD H. ASLAKSON,
Manager, Federal
Crop Insurance Corporation.

[F.R. Doc. 69-13268; Filed, Nov. 6, 1969; 8:46 a.m.]

Chapter VIII—Agricultural Stabilization and Conservation Service (Sugar), Department of Agriculture

SUBCHAPTER F—DETERMINATION OF NORMAL YIELDS AND ELIGIBILITY FOR ABANDONMENT AND CROP DEFICIENCY PAYMENTS

[Sugar Determination 847.2, Rev., Supp. 15]

PART 847—PUERTO RICO

Approved Local Producing Areas for 1968-69 Crop

Pursuant to the provisions of S.D. 847.2, as revised (27 F.R. 6080), the following determination is hereby issued:

§ 847.17 Approved local producing areas in Puerto Rico.

For purposes of considering eligibility of farms for abandonment and crop deficiency payments on the 1968-69 sugarcane crop in Puerto Rico, the Director of the Caribbean Area Agricultural Stabilization and Conservation Service Office, has determined with respect to the local producing areas listed herein, that, due to flood, the actual yields of commercially recoverable sugar for the 1968-69 crop year from 10 percent or more of the total number of farms or part of farms; or from 10 percent or more of the total planted acreage of sugarcane in each such local producing area were below 80 percent of the applicable farm normal yields:

Single wards. Wards Cidra, Corcovada, Miraflores, and Playa, of the municipality of Anasco; and Ward Quebrada Vuelitas, of the municipality of Fajardo.

STATEMENT OF BASES AND CONSIDERATIONS

One of the conditions of eligibility of a farm in Puerto Rico for an acreage abandonment or crop deficiency payment in connection with the production of sugar from sugarcane is that the farm be located in a local producing area for which the Director of the Caribbean

Area Agricultural Stabilization and Conservation Service Office determines that drought, flood, storm, disease, or insects have damaged a substantial part of the sugarcane crop in such area.

The purpose of this supplement is to set forth that the specified single wards have been determined to comprise local producing areas for the 1968-69 crop which have qualified under the requirements relating to crop damage. Any sugarcane producer on a farm which is located in whole or in part in any one of these local producing areas, and which is otherwise qualified, may apply for payment accordingly, if he has not already done so.

(Secs. 303, 403, 61 Stat. 930, 932; 7 U.S.C. 1153, 1153)

Effective date: Date of publication.

Signed at Washington, D.C., on November 3, 1969.

CHARLES M. COX,
Acting Deputy Administrator,
State and County Operations.

[F.R. Doc. 69-13264; Filed, Nov. 6, 1969; 8:45 a.m.]

Chapter IX—Consumer and Marketing Service (Marketing Agreements and Orders; Fruits, Vegetables, Nuts), Department of Agriculture

PART 906—ORANGES AND GRAPEFRUIT GROWN IN LOWER RIO GRANDE VALLEY IN TEXAS

Expenses and Rate of Assessment and Carryover of Unexpended Funds

On October 2, 1969, notice of rule making was published in the FEDERAL REGISTER (34 F.R. 15361) regarding proposed expenses and the related rate of assessment for the period August 1, 1969, through July 31, 1970, and the carryover of unexpended funds, pursuant to the marketing agreement, as amended, and Order No. 906, as amended (7 CFR Part 906), regulating the handling of oranges and grapefruit grown in the Lower Rio Grande Valley effective under the applicable provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674). After consideration of all relevant matters presented, including the proposals set forth in such notice which were submitted by the Texas Valley Citrus Committee (established pursuant to said amended marketing agreement and order), it is hereby found and determined that:

§ 906.209 Expenses and rate of assessment and carryover of unexpended funds.

(a) *Expenses.* Expenses that are reasonable and likely to be incurred by the Texas Valley Citrus Committee during the period August 1, 1969, through July 31, 1970, will amount to \$660,000.

(b) *Rate of assessment.* The rate of assessment for said period, payable by each handler in accordance with § 906.34, is fixed at \$0.045 per 3/10 bushel carton,

or an equivalent quantity of oranges and grapefruit.

(c) *Reserve.* Unexpended assessment funds, in excess of expenses incurred during the fiscal period ended July 31, 1969, shall be carried over as a reserve in accordance with applicable provisions of § 906.35(a)(2) of the said marketing agreement and order.

It is hereby further found that good cause exists for not postponing the effective date hereof until 30 days after publication in the FEDERAL REGISTER (5 U.S.C. 553) in that (1) the relevant provisions of said marketing agreement and this part require that the rate of assessment fixed for a particular fiscal period shall be applicable to all assessable fruit from the beginning of such period, and (2) the current fiscal period began on August 1, 1969, and the rate of assessment being fixed will automatically apply to all assessable oranges and grapefruit beginning with such date.

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 4, 1969.

PAUL A. NICHOLSON,
Deputy Director, Fruit and Vegetable Division, Consumer and Marketing Service.

[F.R. Doc. 69-13303; Filed, Nov. 6, 1969; 8:48 a.m.]

PART 989—RAISINS PRODUCED FROM GRAPES GROWN IN CALIFORNIA

Expenses of Raisin Administrative Committee and Rate of Assessment for 1969-70 Crop Year

Notice was published in the October 18, 1969, issue of the FEDERAL REGISTER (34 F.R. 17032) regarding proposed expenses of the Raisin Administrative Committee for the 1969-70 crop year and rate of assessment for that crop year, pursuant to §§ 989.79 and 989.80 of the marketing agreement, as amended, and Order No. 989, as amended (7 CFR Part 989), regulating the handling of raisins produced from grapes grown in California. The marketing agreement and order are effective under the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674).

The notice afforded interested persons opportunity to submit written data, views, or arguments with respect to the proposal. None were received during the prescribed time.

After consideration of all relevant matter presented, including that in the notice, the information and recommendations submitted by the Raisin Administrative Committee, and other available information, it is found that the expenses of the Raisin Administrative Committee and the rate of assessment for the crop year beginning September 1, 1969, shall be as follows:

§ 989.320 Expenses of the Raisin Administrative Committee and rate of assessment for the 1969-70 crop year.

(a) *Expenses.* Expenses (other than those specified in § 989.82) in the amount

of \$132,600 are reasonable and likely to be incurred by the Raisin Administrative Committee during the crop year beginning September 1, 1969, for the maintenance and functioning of the Committee and the Raisin Advisory Board and for such purposes as the Secretary may, in accordance with § 989.79, determine to be appropriate.

(b) *Rate of assessment.* The rate of assessment for that crop year which each handler is required, pursuant to § 989.80, to pay to the Raisin Administrative Committee as his pro rata share of the expenses is fixed at 85 cents per ton applicable to each of the following:

(1) Free tonnage raisins acquired by the handler during the crop year, exclusive of such quantity thereof as represents the assessable portions of other handlers' raisins pursuant to subparagraph (3) of this paragraph;

(2) Reserve tonnage raisins released or sold to the handler for use as free tonnage during the crop year; and

(3) Standard raisins (which he does not acquire) recovered by the handler by the reconditioning of off-grade raisins but only to the extent of the aggregate quantity of the free tonnage portions of these standard raisins that are acquired by other handlers during the crop year.

It is further found that good cause exists for not postponing the effective time of this action until 30 days after publication in the FEDERAL REGISTER (5 U.S.C. 553) in that: (1) The relevant provisions of said amended marketing agreement and order require that the rate of assessment fixed for a particular crop year which handlers are required to pay shall be applicable to all free tonnage raisins of the crop year and to all reserve tonnage raisins released or sold to handlers for use as free tonnage during the crop year; and (2) the current crop year began on September 1, 1969, and the rate of assessment fixed herein will automatically apply to all such raisins beginning with that date.

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 3, 1969.

PAUL A. NICHOLSON,
Deputy Director, Fruit and Vegetable Division, Consumer and Marketing Service.

[F.R. Doc. 69-13265; Filed, Nov. 6, 1969; 8:45 a.m.]

PART 991—HOPS OF DOMESTIC PRODUCTION

Subpart—Administrative Rules and Regulations

ADVANCE PAYMENTS BY EQUITY HOLDERS OF POOLED RESERVE HOPS

Notice was published in the October 18, 1969, issue of the FEDERAL REGISTER (34 F.R. 17032) of a proposal based upon the unanimous recommendation of the Hop Administrative Committee, whereby the Committee may require advances by equity holders of pooled re-

serve hops to cover expenses relative to such hops. This subpart is operative pursuant to Marketing Order No. 991, as amended (7 CFR Part 991), regulating the handling of hops of domestic production, effective under the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674).

The notice afforded interested persons opportunity to submit written data, views, or arguments with respect to the proposal. None were received within the prescribed time.

After consideration of all relevant matter presented, including that in the notice, the information and recommendations submitted by the Committee and other available information, it is hereby found that amendment of the administrative rules and regulations, as hereinafter set forth, will tend to effectuate the declared policy of the act.

Therefore, § 991.205 of Subpart—Administrative Rules and Regulations is hereby amended to read as follows:

§ 991.205 Advance payments by equity holders of pooled reserve hops.

As a condition of accepting and including the reserve hops of any producer-handler in the reserve pool, the Committee may require advance payments from equity holders of pooled reserve hops. Such advances shall be in an amount, as determined by the Committee, as will be necessary to meet all charges attributable to reserve pooling but shall not exceed \$4 per bale.

It is found that good cause exists for not postponing the effective time of this action until 30 days after publication in the FEDERAL REGISTER (5 U.S.C. 553) in that: (1) Producer-handlers are in the process of beginning to deliver reserve hops to the reserve pool; (2) should advances be required, and, if so, in what amount, equity holders should be informed as soon as possible prior to such deliveries; and (3) no useful purpose would be served by delaying the effective time hereof.

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 3, 1968.

PAUL A. NICHOLSON,
Deputy Director,
Fruit and Vegetable Division.

[F.R. Doc. 69-13266; Filed, Nov. 6, 1969; 8:45 a.m.]

Title 9—ANIMALS AND ANIMAL PRODUCTS

Chapter I—Agricultural Research Service, Department of Agriculture

SUBCHAPTER E—VIRUSES, SERUMS, TOXINS, AND ANALOGOUS PRODUCTS; ORGANISMS AND VECTORS

MISCELLANEOUS AMENDMENTS TO SUBCHAPTER

On July 11, 1969, there was published in the FEDERAL REGISTER (34 F.R. 11489) and on July 17 republished in the FEDERAL REGISTER (34 F.R. 12042) a notice

of proposed rule making with respect to proposed amendments to the regulations relating to viruses, serums, toxins, and analogous products in Parts 112, 113, and 114 of Title 9, Code of the Federal Regulations, issued pursuant to the provisions of the Virus-Serum-Toxin Act of March 4, 1913 (21 U.S.C. 151-158). A notice extending the period to submit written data, views, or arguments to October 17, 1969, was published in the September 10, 1969, issue of the FEDERAL REGISTER (34 F.R. 14224).

After due consideration of all relevant matters, including the proposals set forth in the aforesaid notice of rule making, and the comments and views submitted by interested persons, and pursuant to the authority contained in the Virus-Serum-Toxin Act of March 4, 1913 (21 U.S.C. 151-158), the proposed amendments of Parts 112, 113, and 114 of Subchapter E, Chapter I, Title 9, of the Code of Federal Regulations, as contained in the aforesaid notice are hereby adopted and are set forth in full herein, subject to the following noted modifications:

The words "Standard Requirements" have been deleted from the section headings as being repetitious and superfluous. The index has been changed accordingly.

Section 113.3(a)(1) has been clarified by deleting the word "inactivation" and inserting "safety" in (i) and rewording (ii) and (iii) to provide for random selection. Subdivision (i) has also been changed to provide for samples of bulk material.

Section 113.3(b)(4) has been clarified by deleting the words "the exclusive of" from the first sentence and rewording the second sentence.

Section 113.4(a) has been redesignated § 113.4(b) and the proviso has been deleted. Section 113.4(b) has been redesignated § 113.4(a).

Section 113.5 has been clarified by deleting the words "of day" from the second sentence of paragraph (b); by rewording the second sentence of paragraph (c) to provide for results of tests instead of test reports; and by rewording paragraph (e) to limit applicability to products not released and restrict release to products found to be satisfactory.

The word "licensed" has been deleted from § 113.6(a).

Section 113.7(b) has been rewritten for clarification. The words "at least" have been inserted in § 113.7(d).

The word "animal" has been substituted for the words "vaccination challenge" in § 113.8 (a) and (b). Section 113.8(c) has been deleted.

PART 112—LABELS

1. Part 112 is amended by deleting §§ 112.26 and 112.27. The heading and index is to read as follows:

LABELS

Sec.	
112.1	Containers.
112.2	Required and permitted information.
112.3	Diluent labels.
112.4	Reference to distributors and permittees.
112.5	Review and approval of labels and other material.

Sec.

112.6	Packaging desiccated products.
112.7	Special additional requirements.

PART 113—STANDARD REQUIREMENTS

2. Chapter I of Title 9 of the Code of Federal Regulations is amended by adding a new Part 113, reading as follows:

APPLICABILITY

Sec.	
113.1	Compliance.
113.2	Ingredients of biological products.
113.3	Sampling of biological products.
113.4	Outline of production.
113.5	General testing.
113.6	Division testing.
113.7	Multiple fractions.
113.8	Virus titrations in lieu of test for antigenicity.

AUTHORITY: The provisions of this Part 113 issued under 37 Stat. 832-833; 21 U.S.C. 151-158.

APPLICABILITY

§ 113.1 Compliance.

The regulations in this part apply to each serial or subserial of a licensed biological product manufactured in a licensed establishment and to each serial or subserial of a biological product in each shipment imported for distribution and sale.

§ 113.2 Ingredients of biological products.

All ingredients used in a licensed biological product shall meet accepted standards of purity and quality; shall be sufficiently nontoxic so that the amount present in the recommended dose of the product shall not be toxic to the recipient; and in the combinations used shall not denature the specific substances in the product below the minimum acceptable potency within the dating period when stored at the recommended temperature.

§ 113.3 Sampling of biological products.

Each licensee and permittee shall furnish representative samples of each serial or subserial of a biological product manufactured in the United States or imported into the United States as prescribed in paragraphs (a) and (b) of this section. Additional samples may be purchased in the open market by a Division representative.

(a) Prerelease test samples for Division use shall be forwarded to the place designated by the Director and in the number and quantity as prescribed. Comparable samples shall be used by the licensee and permittee for similar tests.

(1) Each licensee shall select prerelease samples as follows:

(i) Nonviable liquid products—either bulk or final container samples of completed product shall be used for purity, safety, or potency tests. Biological product in final containers shall be used for sterility tests.

(ii) Viable liquid products; samples shall be in final containers and shall be randomly selected at the end of the filling operation. Samples from bulk containers of completed product may be submitted when authorized by the Director.

(iii) Desiccated products; samples shall be in final containers and shall be randomly selected if desiccated in the final container. Biological products desiccated in bulk shall be sampled at the end of the filling operation.

(2) Each permittee shall select prerelease samples so that each serial or subserial in each shipment shall be represented.

(b) Reserve samples shall be selected from each serial and subserial of every biological product. Such samples shall be selected at random from finished product by the licensee or permittee. Each sample shall:

(1) Consist of 5 single dose or 2 multiple dose packages as the case may be;

(2) Be adequate in quantity for appropriate examination and testing;

(3) Be truly representative and in final containers;

(4) Be held in a special compartment or equivalent set aside by the licensee or permittee, for holding these samples under refrigeration at 35° to 45° F. for 6 months after the expiration date stated on the labels. These samples shall be stored in this manner and shall be delivered to the Division upon request.

§ 113.4 Outline of production.

(a) The test methods and procedures contained in all applicable Standard Requirements shall be complied with unless otherwise exempted by the Director and provided that such exemption is noted in the approved outline.

(b) To comply with the test requirements in § 114.8(b) of this chapter, each outline shall designate the test methods and procedures by which the biological product shall be evaluated for purity, safety, and potency.

§ 113.5 General testing.

(a) No biological product shall be released prior to the completion of required tests necessary to establish the product to be satisfactory for purity, safety, and potency.

(b) Tests of biological products shall be observed by a competent employee of the manufacturer during all critical periods. A critical period shall be the time when certain specified reactions must occur in required tests to properly evaluate the results.

(c) Records of all tests shall be kept in accordance with Part 116 of this chapter. Results of all tests shall be submitted to the Division. Blank forms shall be furnished upon request to the Veterinary Biologics Division.

(d) When a serial or subserial has not been found satisfactory by the test methods and procedures designated in § 113.4, and a repeat test is to be conducted, the same test method shall be used.

(e) When new test methods are developed and approved by the Division, biological products released thereafter shall be evaluated by such methods, and if not found to be satisfactory when so tested shall not be released.

§ 113.6 Division testing.

A biological product shall with reasonable certainty yield the results intended

when used as recommended or suggested in its labeling or proposed labeling prior to the expiration date.

(a) The Director is authorized to cause a biological product, manufactured in the United States or imported into the United States, to be examined and tested for one or more of the following: purity, safety, potency, or effectiveness; in which case, the licensee or permittee shall withhold such product from the market until a determination has been made.

(b) A serial or subserial of a biological product which has not been found satisfactory by applicable test methods or procedures is not in compliance with the regulations in Parts 101 through 121 of this subchapter and shall not be released for market.

§ 113.7 Multiple fractions.

(a) When a biological product contains more than one immunogenic fraction, the completed product shall be evaluated by tests applicable to each fraction.

(b) When similar potency tests are required for more than one fraction of a combination biological product, different animals must be used to evaluate each fraction except when written Standard Requirements or outlines of production make provisions and set forth conditions for use of the same animals for testing different fractions.

(c) When the same safety test is required for more than one fraction, requirements are fulfilled by satisfactory results from one test of the completed product.

(d) Biological products containing one or more chemically inactivated fraction(s) and one or more live virus or modified live virus fraction(s) shall be prepared as recommended for use and held at room temperature for at least 30 minutes before initiating virus titrations or potency tests.

(e) Virus titrations for a multivirus product shall be conducted by methods which will quantitate each virus.

§ 113.8 Virus titrations in lieu of test for antigenicity.

(a) The Director may exempt a live virus vaccine from a required animal test for release if the efficacy can with reasonable certainty be determined by:

(1) Testing the seed virus for potency in a manner approved by the Director; and

(2) Establishing the lowest satisfactory virus titer based on the minimum protective does plus an adequate overage allowance for uncertain conditions; and

(3) Conducting virus titrations on each serial or subserial in an accepted titration test system.

(b) One or more serials or subserials of a biological product which has been exempted from a required animal test according to the conditions in paragraph (a) of this section may be subjected to said test by the Division or the licensee. If found unsatisfactory, the biological product shall be removed from the market.

PART 114—MISCELLANEOUS REQUIREMENTS FOR LICENSED ESTABLISHMENTS

3. Part 114 is amended by deleting §§ 114.5(c), 114.13, 114.14, and 114.18.

NOTE: The reporting and/or recordkeeping requirements contained herein have been approved by the Bureau of the Budget in accordance with the Federal Reports Act of 1942.

Effective date: Thirty days after publication in the FEDERAL REGISTER.

Done at Washington, D.C., this 3d day of November 1969.

R. J. ANDERSON,
Acting Administrator,
Agricultural Research Service.

[F.R. Doc. 69-13301; Filed, Nov. 6, 1969; 8:48 a.m.]

Title 14—AERONAUTICS AND SPACE

Chapter I—Federal Aviation Administration, Department of Transportation

SUBCHAPTER E—AIRSPACE

[Airspace Docket No. 69-CE-116]

PART 71—DESIGNATION OF FEDERAL AIRWAYS, CONTROLLED AIRSPACE, AND REPORTING POINTS

Alteration of Federal Airway

The purpose of this amendment to Part 71 of the Federal Aviation Regulations is to redesignate the segment of VOR Federal airway No. 430 between Havre, Mont., and Williston, N. Dak.

V-430 airway is presently designated from Havre via Glasgow, Mont., to Williston, with a south alternate segment between Glasgow and Williston. The FAA is relocating the Glasgow VOR to a new site on the Glasgow International Airport (lat. 48°12'48" N., long 106°37'07" W.) to provide better instrument approach procedures into the International Airport. The relocation of the VOR must be accomplished before inclement weather prohibits the moving of the VOR. Accordingly, action is taken herein to redesignate V-430 segment from Havre via Glasgow; INT Glasgow 100° T (083° M) and Williston 263° T. (248° M); to Williston.

Since the relocation of the VOR and the redesignation of V-430 segment must be accomplished before the onset of inclement weather and since the deviation of the new alignment from the present designation is minor in nature, notice and public procedure are impracticable and unnecessary.

In consideration of the foregoing, Part 71 of the Federal Aviation Regulations is amended, effective 0901 g.m.t., December 11, 1969, as hereinafter set forth.

In § 71.123 (34 F.R. 4509) V-430 is amended by deleting all between "Havre, Mont.;" and "Minot, N. Dak.;" and sub-

stituting "14 miles, 100 miles 50 MSL, Glasgow, Mont.; INT Glasgow 100° and Williston, N. Dak., 263° radials, 22 miles, 33 miles 55 MSL, Williston;" therefor.

(Sec. 307(a), Federal Aviation Act of 1958, 49 U.S.C. 1348; sec. 6(c), Department of Transportation Act, 49 U.S.C. 1655(c))

Issued in Washington, D.C., on November 3, 1969.

H. B. HELSTROM,
Chief, Airspace and Air
Traffic Rules Division.

[F.R. Doc. 69-13286; Filed, Nov. 6, 1969; 8:47 a.m.]

[Airspace Docket No. 69-80-128]

PART 71—DESIGNATION OF FEDERAL AIRWAYS, CONTROLLED AIRSPACE, AND REPORTING POINTS

Alteration of Transition Area

The purpose of this amendment to Part 71 of the Federal Aviation Regulations is to alter the Aiken, S.C., transition area.

The Aiken transition area is described in § 71.181 (34 F.R. 4637). In the description, an extension is predicated on the 048° bearing from the Aiken RBN and has a designated width of 2 miles each side of the bearing and a length of 8 miles.

U.S. Standards for Terminal Instrument Procedures (TERPs), issued after extensive consideration and discussion with Government agencies concerned and affected industry groups, are now being applied to update the criteria for instrument approach procedures. The criteria for the designation of controlled airspace protection for these procedures was revised to conform to TERPs and achieve increased and efficient utilization of airspace.

Because of this revised criteria, it is necessary to alter the description by increasing the width of the transition area extension from 2 to 3 miles each side and the length from 8 to 8.5 miles.

In consideration of the foregoing, notice and public procedure hereon are unnecessary and Part 71 of the Federal Aviation Regulations is amended, effective immediately, as hereinafter set forth.

In § 71.181 (34 F.R. 4637), the Aiken, S.C., transition area is amended as follows: All after " * * * longitude 81°41'25" W.); * * * " is deleted and " * * * within 3 miles each side of the 048° bearing from Aiken RBN (lat. 33°39'06" N., long. 81°40'38" W.), extending from the 8-mile radius area to 8.5 miles northeast of the RBN * * * ." is substituted therefor.

(Sec. 307(a), Federal Aviation Act of 1958, 49 U.S.C. 1348(a), sec. 6(c), Department of Transportation Act 49 U.S.C. 1655(c))

Issued in East Point, Ga., on October 27, 1969.

JAMES G. ROGERS,
Director, Southern Region.

[F.R. Doc. 69-13282; Filed, Nov. 6, 1969; 8:45 a.m.]

SUBCHAPTER F—AIR TRAFFIC AND GENERAL OPERATING RULES

[Reg. Docket No. 9933; Amdt. 674]

PART 97—STANDARD INSTRUMENT APPROACH PROCEDURES

Miscellaneous Amendments

The amendments to the standard instrument approach procedures contained herein are adopted to become effective when indicated in order to promote safety. The amended procedures supersede the existing procedures of the same classification now in effect for the airports specified therein. For the convenience of the users, the complete procedure is republished in this amendment indicating the changes to the existing procedures.

As a situation exists which demands immediate action in the interests of safety in air commerce, I find that compliance with the notice and procedure provisions of the Administrative Procedure Act is impracticable and that good cause exists for making this amendment effective within less than 30 days from publication.

In view of the foregoing and pursuant to the authority delegated to me by the Administrator (24 F.R. 5662), Part 97 (14 CFR Part 97) is amended as follows:

1. By amending § 97.11 of Subpart B to amend low or medium frequency range (L/MF), automatic direction finding (ADF) and very high frequency omnirange (VOR) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE NDB (ADF)

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

From—	Transition	To—	Course and distance	Minimum altitude (feet)	Condition	Ceiling and visibility minimums		
						2-engine or less 65 knots or less	More than 65 knots	More than 2-engines, more than 65 knots
Thousand Oaks Int.	Woodland Int.	Direct	Direct	5000	T-dn%	300-1	300-1	300-1
Twin Lakes Int.	Woodland Int.	Direct	Direct	5000	C-d*	900-1½	900-1½	900-1½
LAX VOR	BUR ILS LOM	Direct	Direct	4000	C-n*	900-2	900-2	900-2
Woodland Int.	BUR ILS LOM (final)	Direct	Direct	2800	S-dn-7**	600-1	600-1	600-1
					A-dn	900-2	900-2	900-2

Radar available.

Procedure turn 8 side of crs, 256° Outbd, 076° Inbd, 4000' within 10 miles.

Minimum altitude over facility on final approach crs, 2800' at BUR ILS LOM.

Crs and distance, facility to airport, 076°—5.7 miles LOM to LIM; 076°—0.4 mile LIM to airport.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished, at BUR ILS LIM, make immediate right-climbing turn direct to LOM, climb via 256° bearing LOM to 4000' within 10 miles of LOM or, when directed by ATC: (1) Turn right, climb heading 105° to intercept and proceed via VNY R 090° to El Monte Int at 4500'. Positive Radar crs monitor required on alternate missed approach.

NOTE: ADF and VOR receivers required for execution of this approach.

AIR CARRIER NOTES: Sliding scale not authorized. Air carriers will not reduce landing visibility due to local conditions. Air carrier reduction not authorized below ¼ mile for takeoff Runways 7, 15, and 33.

Procedure requires use of both BUR ILS Outer Compass Locator and Inner Compass Locator.

#200-½ authorized for takeoff on Runway 25 only.

*Circling not authorized NE of airport between extended centerlines of Runways 15/33 and 7/25. Runway 25—Intercept approach centerline within 2 miles.

%Northbound and southbound (270° CW through 240°) IFR departures: Must comply with published Burbank SID's.

**Inoperative table does not apply to HIRL or ALS Runway 7.

MSA within 25 miles of facility: 090°-090°—8500'; 090°-180°—5100'; 180°-270°—4100'; 270°-360°—6000'.

City, Burbank; State, Calif.; Airport name, Hollywood-Burbank; Elev., 775'; Fac. Class., LOM; Ident., BU; Procedure No. NDB (ADF)—, Amdt. 4; Eff. date, 27 Nov. 69; Sup. Amdt. No. ADF 1, Amdt. 3; Dated, 11 July 68

Meadow Int.	BD LOM	Direct	Direct	3000	T-dn%	300-1	300-1	300-1½
Bristol Int.	Penwood Int.	Direct	Direct	2700	C-dn	600-1	600-1	600-1½
Penwood Int.	BD LOM (NOPT)	Direct	Direct	1800	S-dn-6	600-1	600-1	600-1
					A-dn	800-2	800-2	800-2

ASR.

Procedure turn 8 side of crs, 238° Outbd, 058° Inbd, 2300' within 10 miles.

Minimum altitude over facility on final approach crs, 1800'.

Crs and distance, facility to airport, 058°—4.5 miles.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.5 miles after passing BD LOM, make right-climbing turn to 2300' direct BD LOM. Hold SW of BD LOM, 058° Inbd, 1 minute, right turns.

NOTE: Final approach from a holding pattern not authorized; procedure turn required.

CAUTION: 768' obstruction light on hills 2.4 miles W of airport.

%Departures from Runway 33, make a right turn to 350°, as soon as practicable after takeoff and climb to 1500'.

MSA within 25 miles of facility: 090°-090°—2800'; 090°-180°—2300'; 180°-270°—2600'; 270°-360°—3000'.

City, Windsor Locks; State, Conn.; Airport name, Bradley International; Elev., 173'; Fac. Class., LOM; Ident., BD; Procedure No. NDB (ADF) Runway 6, Amdt. 15; Eff. date, 27 Nov. 69; Sup. Amdt. No. ADF 1, Amdt. 14; Dated 14 Jan. 67

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

From—	Transition	To—	Course and distance	Minimum altitude (feet)	Condition	Ceiling and visibility minimums		
						2-engine or less		More than 2-engine, more than 65 knots
						65 knots or less	More than 65 knots	
AM LOM	AMA VOR		Direct	5000	T-dn	300-1	300-1	200-1½
					C-dn	500-1	500-1	500-1½
					S-dn-21*	400-1	400-1	400-1
					A-dn	800-2	800-2	800-2

ASR.
 Procedure turn N side of crs, 028° Outbnd, 208° Inbnd, 5000' within 10 miles.
 Minimum altitude over facility on final approach crs, 4600'.
 Crs and distance, facility to airport, 208°—4.5 miles.
 If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.5 miles after passing AMA VOR, climb to 5000' on R 208° within 15 miles or, when directed by ATC, turn left, climb to 5000' on R 076° within 15 miles.
 CAUTION: 3794' grain elevator located adjacent to SW boundary of airport.
 *Runway 21: 400-½ authorized with operative HIRL, except for 4-engine turbojets.
 MSA within 25 miles of facility: 000°-180°-4900'; 180°-300°-6000'.

City, Amarillo; State, Tex.; Airport name, Amarillo Air Terminal; Elev., 3695'; Fac. Class., II-BVORTAC; Ident., AMA; Procedure No. VOR Runway 21, Amdt. 16; Eff. date, 27 Nov. 66; Sup. Amdt. No. 15; Dated, 5 Dec. 68

FIM VORTAC	Chatsworth Int.	FIM R 100°	5000	T-dn	300-1	300-1	400-1
Sherwood Int.	Chatsworth Int.	VTU R 057°	5000	C-dn	900-1½	900-1½	900-1½
Twin Lakes Int.	Chatsworth Int.	Direct	5000	C-dn	900-2	900-2	900-2
Chatsworth Int.	VNY VOR (final)	Direct	3000	S-dn-7*	500-1	500-1	500-1
				A-dn	900-2	900-2	900-2

Radar available.
 Procedure turn not authorized.
 Minimum altitude over facility on final approach crs, 3000'.
 Crs and distance, facility to airport, 089°—6.3 miles.
 If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 6.3 miles after passing VNY VOR, turn right, climb to VNY VOR, then via R 250° to Sussana Int at 4500' or, when directed by ATC, turn right, climb heading 105° to intercept and proceed via VNY R 096° to El Monte Int at 4500'. Positive Radar crs monitor required on alternate missed approach.

ABX CARRIER NOTES: Sliding scale not authorized. Air carriers will not reduce landing visibility due to local conditions. Air carrier reduction not authorized below ¼ mile for takeoff Runways 7, 15, and 33.
 *Inoperative table does not apply to HIRL or ALS Runway 7.
 †Northbound and southbound (270° CW through 240°) IFR departures: Must comply with published Burbank SID's.
 ‡Circling not authorized NE of airport between extended centerlines of Runways 15/33 and 7/25. Runway 25—Intercept approach centerline within 2 miles.
 §300-½ authorized for takeoff on Runway 25 only.
 MSA within 25 miles of facility: 000°-090°-8000'; 090°-180°-5100'; 180°-270°-4100'; 270°-360°-6100'.

City, Burbank; State, Calif.; Airport name, Hollywood-Burbank; Elev., 775'; Fac. Class., I-BVOR; Ident., VNY; Procedure No. VOR-1, Amdt. 2; Eff. date, 27 Nov. 66; Sup. Amdt. No. VOR 1, Amdt. 1; Dated, 11 July 68

Berenda Int.	FAT VOR (final)	Direct	1900	T-dn	300-1	300-1	200-½
				C-dn	500-1	500-1	500-1½
				C-n	500-2	500-2	500-2
				S-d-11	500-1	500-1	500-1
				S-n-11	500-2	500-2	500-2
				A-dn	800-2	800-2	800-2
				If Gordon Int identified, the following minimums apply:			
				C-dn	500-1	500-1	500-1½
				S-dn-11‡	400-1	400-1	400-1

Radar available.
 Procedure turn W side of crs, 313° Outbnd, 133° Inbnd, 2300' within 10 miles.
 Minimum altitude over facility on final approach crs, 1900'; over Gordon Int, 832'.
 Crs and distance, facility to airport, 133°—7.1 miles; Gordon Int to airport, 133°—4.1 miles.
 If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 7.1 miles after passing FAT VOR, climb to 2000' on R 133° within 20 miles of FAT VOR.
 †400-½ authorized, except for 4-engine turbojet aircraft, with operative high-intensity runway lights.
 MSA within 25 miles of facility: 000°-090°-7200'; 090°-180°-4200'; 180°-270°-1900'; 270°-360°-5200'.

City, Fresno; State, Calif.; Airport name, Fresno Air Terminal; Elev., 332'; Fac. Class., II-BVORTAC; Ident., FAT; Procedure No. VOR-1, Amdt. 2; Eff. date, 27 Nov. 66; Sup. Amdt. No. VOR 1, Amdt. 1; Dated, 18 Sept. 65

2. By amending § 97.11 of Subpart B to delete low or medium frequency range (L/MF), automatic direction finding (ADF) and very high frequency omnirange (VOR) procedures as follows:

- Fairbanks, Alaska—Fairbanks International, LFR 1, Amdt. 4, 1 Jan. 1966 (established under Subpart C).
 Allentown, Pa.—Allentown-Bethlehem-Easton, NDB (ADF) Runway 6, Amdt. 6, 19 Dec. 1968 (established under Subpart C).
 Bristol, Tenn.—Tri-City, ADF 2, Amdt. 6, 14 May 1966 (established under Subpart C).
 Bristol, Tenn.—Tri-City, ADF 1, Amdt. 8, 16 Apr. 1966 (established under Subpart C).
 Fairbanks, Alaska—Fairbanks International, ADF 1, Amdt. 9, 1 Jan. 1966 (established under Subpart C).
 Allentown, Pa.—Allentown-Bethlehem-Easton, VOR 1, Amdt. 4, 23 July 1966 (established under Subpart C).
 Dover-Cheswold, Del.—Delaware Airpark, VOR Runway 26, Amdt. 1, 16 Sept. 1967 (established under Subpart C).
 Dowagiac, Mich.—Cass County Memorial, VOR 1, Orig., 6 Nov. 1965 (established under Subpart C).
 Painesville, Ohio—Concord Airpark, VOR-1, Orig., 1 Apr. 1967 (established under Subpart C).
 Silver City, N. Mex.—Silver City-Grant County, VOR-1, Amdt. 2, 16 Dec. 1967 (established under Subpart C).

3. By amending § 97.11 of Subpart B to cancel low or medium frequency range (L/MF), automatic direction finding (ADF) and very high frequency omnirange (VOR) procedures as follows:

- Pago Pago, Tutuila Island, American Samoa, ADF 2, Amdt. 1, effective 20 Mar. 1965, canceled, effective 27 Nov. 1969.

4. By amending § 97.13 of Subpart B to delete terminal very high frequency omnirange (TerVOR) procedures as follows:

- Pago Pago, Tutuila Island, American Samoa, TerVOR (R-230), Amdt. 5, 28 Aug. 1965 (established under Subpart C).

5. By amending § 97.17 of Subpart B to amend instrument landing system (ILS) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE ILS

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

From—	Transition	To—	Course and distance	Minimum altitude (feet)	Condition	Ceiling and visibility minimums		
						2-engine or less 65 knots or less	More than 65 knots	More than 2-engine, more than 65 knots
Ventura VOR		ILS W crs.	067°-16.9 miles	5000	T-dn	300-1	300-1	300-1
Saugus Int.		LOM	Direct	5600	C-d*	900-1½	900-1½	900-1½
Fillmore VOR		Woodland Int.	Direct	5000	C-n*	900-2	900-2	900-2
Int LAX VOR R 276° and Lake Hughes VOR R 170°		Woodland Int.	Direct	5000	S-dn-7**	300-1	300-1	300-1
Twin Lakes Int.		Woodland Int.	Direct	5000	A-dn	900-2	900-2	900-2
Woodland Int.		LOM (final)	Direct	2800				

Radar available.

Procedure turn S side of crs, 256° Outbd, 076° Inbd, 4000' within 10 miles of LOM. Beyond 10 miles not authorized.

Minimum altitude at glide slope interception Inbd, 3800'.

Altitude of glide slope and distance to approach end of runway at OM, 2738°-6.1 miles; at MM, 1355°-1.8 miles; at Inner Compass Locator, 924°-0.4 mile.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished, make immediate right-climbing turn to 4000' on W crs BUR ILS within 10 miles W of LOM or, when directed by ATC, turn right, climb heading 105° to intercept and proceed via VNY R 066° to El Monte Int at 4500'. Positive Radar crs monitor required on alternate missed approach.

CAUTION: High terrain NE and E of airport.

AIR CARRIER NOTES: Sliding scale not authorized. Air carriers will not reduce landing visibility due to local conditions. Air carrier reduction not authorized below ½ mile for takeoff Runways 7, 15, and 33.

NOTES: (1) Nonstandard installation. Localizer antenna at approach end of runway.

(2) Northbound and southbound (270° CW through 240°) IFR departures: Must comply with published Burbank SID's.

(3) 200-½ authorized for takeoff on Runway 25 only.

*Circling not authorized NE of airport between extended centerlines of Runways 15/23 and 7/25. Runway 25—Intercept approach centerline within 2 miles.

**For minimums of 300-1 all components of ILS must be utilized. If glide slope not received, then minimums of 400-1 apply. Inoperative table does not apply to HIRL of ALS Runway 7.

City, Burbank; State, Calif.; Airport name, Hollywood-Burbank; Elev., 773'; Fac. Class, ILS; Ident., I-BUR; Procedure No. ILS Runway 7, Amdt. 23; Eff. date, 27 Nov. 69; Sup. Amdt. No. ILS-7, Amdt. 22; Dated, 11 July 68

Lexington LOM	Fayette Int.	Direct	2800	T-dn	300-1	300-1	300-1½
R 191°, LEX VORTAC (CCW)	LEX LOC (BC) (Centerville Int.)	14-mile Arc LEX VORTAC, 020° lead radial.	3000	C-dn	400-1	500-1	500-1½
Centerville Int.	Fayette Int (NOPT)	Direct	2300	S-dn-22*	400-1	400-1	400-1
				A-dn	800-2	800-2	800-2

Procedure turn W side of crs, 042° Outbd, 222° Inbd, 2800' within 10 miles of Fayette Int.

Minimum altitude over Fayette Int, 2300'.

Crs and distance, Fayette Int to airport, 222°-4.8 miles.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.8 miles after passing Fayette Int, climb to 3000' on SW crs ILS to Lexington LOM. Hold SW, 1-minute left turns, 042° Inbd.

NOTE: Procedure authorized only when aircraft equipped to receive ILS and VOR simultaneously.

*400-½ authorized, except for 4-engine turbojet aircraft, with operative high-intensity runway lights.

City, Lexington; State, Ky.; Airport name, Blue Grass; Elev., 978'; Fac. Class, ILS; Ident., I-LEX; Procedure No. LOC (BC) Runway 22, Amdt. 6; Eff. date, 27 Nov. 69; Sup. Amdt. No. 5; Dated, 26 June 69

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE LDA

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition		Course and distance	Minimum altitude (feet)	Condition	Ceiling and visibility minimums		
From—	To—				2-engine or less	More than 2-engine, more than 65 knots	More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
				T-dn.....	300-1	300-1	200-1/2
				C-dn.....	NA	NA	NA
				LDIN-18*	1100-2	1100-2	1100-2
				A-dn.....	1200-2	1200-2	1200-2
				#VGS inoperative minimums:			
				LDIN-18*	1100-2	1100-2	1100-2

Radar required.
 Radar vectors will be provided to intercept final approach ers NW of #VGS interception point.
 Procedure turn not authorized.
 Final approach crs, 146°.
 Minimum altitude at #VGS interception Inbnd, 2500'.
 Altitude of #VGS and distance to a beam approach end of runway at Echo Park Int, 2500'—7.5 miles; at OM, 1822'—5.6 miles; at MM, 791'—2.4 miles.
 If visual contact not established upon descent to DH or 2.2 miles after passing OM, make right-climbing turn direct to Washington RBN at 1800'. Hold S, 1 minute, left turns, 001° Inbnd.
 #VGS unusable below 1115' MSL.
 #VGS (Vertical Guidance System) This guidance is provided by standard glide slope equipment and is paired in frequency with the localizer. No special tuning required.
 *LDIN lights must be operational to execute this approach.
 CAUTION: 506' Washington Monument 1.7 miles N of airport.
 Inoperative components table does not apply to this procedure. Reductions for lighting aids not authorized.
 Supplementary charting information: Start profile at 7.5 miles from end of runway at MEA 2500'.

City, Washington; State, D.C.; Airport name; Washington National; Elev., 15'; Facility, I-ASO; Procedure No. LDA Runway 18, Amdt. 2; Eff. date, 27 Nov. 69; Sup. Amdt. No. 1; Dated, 14 Aug. 69

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE ILS

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition		Course and distance	Minimum altitude (feet)	Condition	Ceiling and visibility minimums		
From—	To—				2-engine or less	More than 2-engine, more than 65 knots	More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
Meadow Int.....	BD LOM.....	Direct.....	3000	T-dn%#.....	300-1	300-1	200-1/2
Bristol Int.....	Penwood Int.....	Direct.....	2700	C-dn.....	500-1	500-1	500-1/2
Penwood Int.....	BD LOM (NOPT).....	Direct.....	1800	S-dn-0#.....	200-1/2	200-1/2	200-1/2
				A-dn.....	600-2	600-2	600-2
				With glide slope inoperative:			
				S-dn-6*.....	500-1	500-1	500-1

ASR.
 Procedure turn S side of crs, 238° Outbnd, 058° Inbnd, 2300' within 10 miles of BD LOM.
 Minimum altitude at glide slope interception Inbnd, 1800'.
 Altitude of glide slope and distance to approach end of runway at OM, 1822'—4.5 miles; at MM, 392'—0.6 mile.
 If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.5 miles after passing BD LOM, climb to 3000' on NE crs of ILS to CTR VOR R 149°, then SE on ORW VOR R 330° to Skylark Int. Hold E of Skylark Int, right turns, 1 minute, 276° Inbnd.
 NOTE: Final approach from a holding pattern not authorized; procedure turn required.
 CAUTION: 768' obstruction light on hills 2.4 miles W of airport.
 %Departures from Runway 33, make a right turn to 350°, as soon as practicable after takeoff and climb to 1500'.
 #RV R 2000', 4-engine turbojet, 1800' other aircraft authorized for Runway 6.
 *Minimum altitude over BD LOM, 1800'; 500 1/2 Categories A, B, and C; 500 3/4 Category D with operative ALS.
 MSA within 25 miles of BD LOM: 000°-090°—2800'; 090°-180°—2300'; 180°-270°—2600'; 270°-360°—3000'.

City, Windsor Locks; State, Conn.; Airport name, Bradley International; Elev., 173'; Fac. Class., ILS; Ident., I-BDL; Procedure No. ILS Runway 6, Amdt. 17; Eff. date, 27 Nov. 69; Sup. Amdt. No. ILS-6, Amdt. 16; Dated, 14 Jan. 67

Putnam VOR.....	Redstone Int.....	Direct.....	3000	T-dn%.....	300-1	300-1	*200-1/2
Redstone Int.....	Thompson Int (final).....	Direct.....	1900	C-dn.....	500-1	500-1	500-1/2
Bradley Int.....	DL LMM.....	Direct.....	2700	S-dn-24#.....	400-1	400-1	400-1
Bristol Int.....	DL LMM.....	Direct.....	2700	A-dn.....	800-2	800-2	800-2

Radar required.
 Procedure turn S side of crs, 058° Outbnd, 238 Inbnd, 2700' within 13 miles of DL LMM, but NE of Thompson Int.
 Minimum altitude over Thompson Int on final approach crs, 1900'.
 Crs and distance, Thompson Int to airport 238°—5 miles.
 If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 5 miles after passing Thompson Int, climb straight ahead to 2700' direct to BD LOM. Hold SW of BD LOM, 058° Inbnd, 1 minute, right turns.
 CAUTION: 768' obstruction light on hills 2.4 miles W of airport.
 %RV R 2000', 4-engine turbojet, 1800' other aircraft authorized for Runway 6.
 *Departures from Runway 33, make a right turn to 350°, as soon as practicable after takeoff and climb to 1500'.
 #600-1/2 authorized except for 4-engine turbojet aircraft with operative high-intensity runway lights.

City, Windsor Locks; State, Conn.; Airport name, Bradley International; Elev., 173'; Fac. Class., ILS; Ident., I-BDL; Procedure No. LOC (BC) Runway 24, Amdt. 5; Eff. date, 27 Nov. 69; Sup. Amdt. No. ILS-24(BC), Amdt. 4; Dated, 9 Apr. 66

6. By amending § 97.17 of Subpart B to delete instrument landing system (ILS) procedures as follows:

- Allentown, Pa.—Allentown-Bethlehem-Easton, ILS Runway 6, Amdt. 9, 19 Dec. 1968 (established under Subpart C).
- Allentown, Pa.—Allentown-Bethlehem-Easton, ILS-24 (BC), Amdt. 7, 10 July 1965 (established under Subpart C).
- Bristol, Tenn.—Tri-City, ILS Runway 32, Amdt. 13, 14 Oct. 1967 (established under Subpart C).
- Fairbanks, Alaska—Fairbanks International, ILS-1, Amdt. 5, 16 Apr. 1966 (BC) (established under Subpart C).
- Fairbanks, Alaska—Fairbanks International, ILS Runway 19, Amdt. 10, 15 July 1967 (established under Subpart C).

7. By amending § 97.19 of Subpart B to amend radar procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE RADAR

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Cellings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If a radar instrument approach is conducted at the below named airport, it shall be in accordance with the following instrument procedure, unless an approach is conducted in accordance with a different procedure authorized for such airport by the Administrator. Initial approaches shall be made over specified routes. Minimum altitude(s) shall correspond with those established for en route operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when (A) visual contact is established on final approach at or before descent to the authorized landing minimums, or (B) at pilot's discretion if it appears desirable to discontinue the approach. Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when (A) communication on final approach is lost for more than 1 second during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controller; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

Transition		Course and distance	Minimum altitude (feet)	Condition	Ceiling and visibility minimums		
From—	To—				2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
Surveillance approach							
342°	007°	Within: 30 miles	7000	T-dn	300-1	300-1	300-1
007°	080°	30 miles	10,500	C-ds	900-1½	900-1½	900-1½
080°	210°	30 miles	3000	C-ds	900-2	900-2	900-2
210°	270°	30 miles	4000	S-dn-7**	500-1	500-1	500-1
270°	342°	30 miles	6000	A-dn	900-2	900-2	900-2

Radar transitions and vectoring using Burbank Radar authorized in accordance with approved patterns.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished, make immediate right-climbing turn, climb on W crs BUR ILS to 5000' within 10 miles W of LOM or, when directed by ATC, turn right, climb heading 100° to intercept and proceed via VNY R 096° to El Monte Int at 4500'. Positive Radar crs monitor required on alternate missed approach.

AW CARRIER NOTE: Sliding scale not authorized. Air carriers will not reduce landing visibility due to local conditions. Air carrier reduction not authorized below ¼ mile for takeoff Runways 7, 15 and 33.

*200-1½ authorized for takeoff on Runway 25 only.

**Inoperative table does not apply to HIRL or ALS Runway 7.

#Circling not authorized NE of airport between extended centerlines of Runways 15/33 and 7/25. Runway 25—Intercept approach centerline within 2 miles.

%Northbound and southbound (270° CW through 240°) IFR departures; must comply with published Burbank SID's.

CAUTION: 2000' terrain 2.3 miles NE of airport rising to 3126' approximately 3.5 miles ENE of airport.

City, Burbank; State, Calif.; Airport name, Hollywood-Burbank; Elev., 775'; Facility, Burbank Radar; Procedure No. Radar-1, Amdt. 7; Eff. date, 27 Nov. 69; Sup. Amdt. No. Radar 1, Amdt. 6; Dated, 11 July 68

8. By amending § 97.19 of Subpart B to delete radar procedures as follows:

- Bristol, Tenn.—Tri-City, Radar 1, Amdt. 4, 18 Nov. 1967 (established under Subpart C).
- Fairbanks, Alaska—Fairbanks International, Radar 1, Amdt. 2, 7 May 1966 (established under Subpart C).

9. By amending § 97.21 of Subpart C to establish low or medium frequency range (L/MF) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE LFR

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Cellings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVF.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes		Via	Minimum altitudes (feet)	Missed approach
From—	To—			MAP: 2.3 miles after passing FI LFR.
FAI VORTAC	FI LFR	Direct	4000	Climbing left turn to 3000' direct to FI LFR. Supplementary charting information: Terrain rising to 1000' within 2 miles W of airport. 1580' hill 3 miles SW of airport.
FOX NDB	FI LFR	Direct	4000	

Procedure turn S side of crs, 060° Outbd, 240° Inbd, 2700' within 10 miles of FI LFR.

FAF, FI LFR. Final approach crs, 233°. Distance FAF to MAP, 2.3 miles.

Minimum altitude over FI LFR, 1000'.

MSA: NE—3500'; SE—4000'; SW—3500'; NW—4300'.

NOTES: (1) ASR. (2) Visual flight required from missed approach point to airport.

*Circling not authorized W of Runways 1/19.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*	1000	1	626	1000	1	626	1000	1½	626	1000	2	626
A	Standard.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, Fairbanks; State, Alaska; Airport name, Fairbanks International; Elev., 434'; Facility, FI LFR; Procedure No. LFR-1, Amdt. 5; Eff. date, 27 Nov. 69; Sup. Amdt. No. LFR 1, Amdt. 4; Dated, 1 Jan. 69

10. By amending § 97.23 of Subpart C to establish very high frequency omnirange (VOR) and very high frequency-distance measuring equipment (VOR/DME) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR. If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 4.1 miles after passing ABE VORTAC.	
				Climbing right turn to 2700' direct ETX VORTAC and hold. Supplementary charting information: Hold W, 1 minute, right turns, 112° Inbnd, 745' powerline 1 mile SSE ABE VOR.	

Procedure turn W side of crs, 360° Outbnd, 180° Inbnd, 2700' within 10 miles of ABE VORTAC. FAF, ABE VORTAC. Final approach crs, 180°. Distance FAF to MAP, 4.1 miles. Minimum altitude over ABE VORTAC, 2300'. MSA: 000°-090°-3500'; 090°-180°-2300'; 180°-270°-2700'; 270°-360°-3500'.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C.....	980	1	592	980	1	592	980	1½	592	980	2	592
A.....	Standard. T 2-eng. or less—RVR 24', Runway 6; Standard all others. T over 2-eng.—RVR 24', Runway 6; Standard all others.											

City, Allentown; State, Pa.; Airport name, Allentown-Bethlehem-Easton; Elev., 388'; Facility, ABE; Procedure No. VOR-1, Amdt. 5; Eff. date, 27 Nov. 69; Sup Amdt. No. VOR 1, Amdt. 4; Dated, 23 July 66

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 3.6 miles after passing ENO VORTAC.	
Bridgeton Int.....	ENO VORTAC.....	Direct.....	1600	Climbing right turn to 1500' direct to ENO VORTAC and hold. Supplementary charting information: Hold E on R 087°, 1 minute, right turns, 267° Inbnd. Chart antenna 434' at 240° 2.9 miles from ENO. Only western 2000' of runway lighted. Runway 26, TDZ elevation, 59'.	
Leesburg Int.....	ENO VORTAC (NOPT).....	Direct.....	1500		

One-minute holding pattern E of ENO VORTAC on R 087°, right turns, 267° Inbnd, 1500'. FAF, ENO VORTAC. Final approach crs., 267°. Distance FAF to MAP, 3.6 miles. Minimum altitude over ENO VORTAC, 1500'. MSA: 000°-090°-1600'; 090°-180°-1500'; 180°-270°-1600'; 270°-360°-1600'. Notes: (1) Radar vectoring. (2) Use Dover AFB altimeter setting.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C	D
	MDA	VIS	HAT	MDA	VIS	HAT	VIS	VIS
S-20.....	400	1	350	400	1	350	NA	NA
	MDA	VIS	HAA	MDA	VIS	HAA		
C.....	460	1	410	500	1	450	NA	NA
A.....	Not authorized. T 2-eng. or less—Standard.						T over 2-eng.—Standard.	

City, Dover-Cheswold; State, Del.; Airport name, Delaware Airpark; Elev., 59'; Facility, ENO; Procedure No. VOR Runway 26, Amdt. 2; Eff. date, 27 Nov. 69; Sup. Amdt. No. 1; Dated, 16 Sept. 67

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR—Continued

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 9 miles after passing ELX VORTAC.	
				Make right-climbing turn to 2300' and return to ELX VORTAC.	

Procedure turn W side of crs, 001° outbnd, 181° Inbnd, 2300' within 10 miles of ELX VORTAC.
 FAF, ELX VORTAC. Final approach crs, 181°. Distance FAF to MAP, 9 miles.
 Minimum altitude over ELX VORTAC, 2300'.* (*1340' over 5-mile DME Fix.)
 MSA: 045°-225°-2400'; 225°-315°-2200'; 315°-045°-2300'.
 NOTE: Use South Bend altimeter setting.
 % Takeoff Runway 14 not authorized.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	VIS
C.....	1340	1	590	1340	1	590	1340	1½	590	NA
VOR/DME Minimums:										
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	
C.....	1220	1	470	1220	1	470	1220	1½	470	NA
A.....	Not authorized.			T 2-eng. or less—Standard. %			T over 2-eng.—Standard. %			

City, Dowagiac; State, Mich.; Airport name, Cass County Memorial; Elev., 750'; Facility, ELX; Procedure No. VOR-1, Amdt. 1; Eff. date, 27 Nov. 60; Sup. Amdt. No. VOR 1, Orig.; Dated, 6 Nov. 65

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: TUT VOR.	
TUT NDB.....	TUT VOR.....	Direct.....	4100	Climbing right turn to 4100' on R 210° Return to TUT VOR. Supplementary charting information: Final approach crs lies 500' S of Runway 5 centerline at 3000' from threshold. Chart LOG NDB as stepdown fix 1.7 miles to threshold. Terrain—127', 1.4 miles NW; 1000', 1.3 miles NW; 1545', 2.1 miles W; 642', 1.1 miles N final approach crs.	

Procedure turn right teardrop S side of crs, 210° Outbnd, 048° Inbnd, 2700' within 11 miles of TUT VOR.
 Final approach crs, 048°.
 Minimum altitude over LOG NDB, 960'.
 MSA: 000°-360°-4100'.
 NOTE: Air carrier will not reduce takeoff visibility due to local conditions Runway 23.
 #Circling to N of centerline Runways 5/23 not authorized.
 % Climb so as to cross facility 4100' or above.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C#.....	960	1½	930	960	1½	930	960	2	930	960	2	930
VOR/NDB Minimums:												
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C#.....	620	1	590	620	1	590	620	1½	590	740	2	710
A.....	1000-2			T 2-eng. or less—Landing weather minimums, Left Runway 23, Right Runway 5%			T over 2-eng.—Landing weather minimums, Left Runway 23, Right Runway 5%					

City, Pago Pago, Island, Tutuila Island; Territory, American Samoa; Airport name, Pago Pago International; Elev., 30'; Facility, TUT; Procedure No. VOR-1, Amdt. 6; Eff. date, 27 Nov. 60; Sup. Amdt. No. Ter VOR (R-230), Amdt. 8; Dated, 28 Aug. 65

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STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR—Continued

Terminal routes			Minimum altitudes (feet)	Missed approach
From—	To—	Via		
				MAP: 9 miles after passing CXR VORTAC. Left climbing turn to 3000'; return to CXR VORTAC and hold. Supplementary charting information: Hold 8, 1 minute, left turns, 354° Inbnd. Final approach crs to intersection of Runways 2 and 12.

Procedure turn W side of crs, 174° Outbnd, 354° Inbnd, 2900' within 10 miles of CXR VORTAC.
FAF, CXR VORTAC. Final approach crs, 354°. Distance FAF to MAP, 9 miles.
Minimum altitude over CXR VORTAC, 2000'; over 6-mile DME Fix, R 354°, 1900'.
MSA: 000°-090°-2300'; 090°-180°-2700'; 180°-270°-3000'; 270°-360°-2600'.
NOTES: (1) Use Cleveland, Ohio, altimeter setting. (2) Night operations not authorized Runways 12/30.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C	D
	MDA	VIS	HAA	MDA	VIS	HAA	VIS	VIS
C.....	1960	1/4	940	1960	1/4	940	NA	NA
VOR/DME Minimums:								
	MDA	VIS	HAA	MDA	VIS	HAA		
C.....	1660	1	640	1660	1	640	NA	NA
A.....	Not authorized.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.	

City, Palmsville; State, Ohio; Airport name, Concord Airpark; Elev., 1020'; Facility, CXR; Procedure No. VOR-1, Amdt. 1; Eff. date, 27 Nov. 66; Sup. Amdt. No. Orig.; Dated, 1 Apr. 67

Terminal routes			Minimum altitudes (feet)	Missed approach
From—	To—	Via		
				MAP: SVC VOR. Climbing left turn to 8000' on R 128° within 20 miles of SVC VOR. Proceed to SVC VOR or as directed by ATC.

Procedure turn S side of crs 128° Outbnd, 308° Inbnd, 7300' within 10 miles of SVC VOR.
Final approach crs 308°.
Minimum altitude over SVC VOR, *5800'.
MSA: 000°-090°-11,200'; 090°-180°-9500'; 180°-270°-9000'; 270°-360°-10,100'.
*When control zone not effective, the following limitations apply except for operators with approved weather reporting service: (1) Use Deming, N. Mex. altimeter setting; (2) alternate minimums not authorized; (3) MDA increased 140'.
%IFR departures: Takeoff Runway 8, turn right; Runway 26, turn left; climb in the holding pattern on R 128°, SE of SVC VOR to minimum crossing altitude for direction of flight. MCA for departing aircraft: 8400' southwestbound on V-202, 8700'; northeastbound on V-202.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C	D
	MDA	VIS	HAA	MDA	VIS	HAA	VIS	VIS
C.....	5800	1	417	5060	1	517	NA	NA
A.....	Standard.*			T 2-eng. or less—Standard.%			T over 2-eng.—Standard.%	

City, Silver City; State, N. Mex.; Airport name, Silver City-Grant County; Elev., 5443' Facility, SVC; Procedure No. VOR-1, Amdt. 3; Eff. date, 27 Nov. 66; Sup. Amdt. No. 2; Dated, 16 Dec. 67

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR/DME

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.
 If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: R 058° 4-mile DME.
FOX NDB	FAI VORTAC	Direct	4000	Climbing left turn to 4000' on R 100° within
FAI LFR	FAI VORTAC	Direct	4000	15 miles; thence direct to FAI VORTAC
R 100° FAI VORTAC CCW	R 058° FAI VORTAC (NOPT)	19-mile Arc FAI R 065° lead radial.	2100	Supplementary charting information.
EIL TACAN	FAI R 058° 19-mile Fix (NOPT)	Direct	2100	Final approach crs to threshold of Runway 1.
FAI VORTAC	9-mile DME Fix (R 058° FAI)	FAI, R 058°	2600	Terrain rising to 1000' within 2 miles W of airport. 1580' hill 3 miles SW of airport.

Procedure turn S side of crs, 058° Outbd, 238° Inbd, 2100' within 10 miles of 9-mile DME (R 058°).
 Final approach crs, 238°. Distance FAF to MAP, 5 miles.
 Minimum altitude over 9-mile DME (FAF) 1200'.
 MSA: 000°-090°-3600'; 090°-180°-3500'; 180°-270°-4000'; 270°-360°-4300'.
 NOTE: ASR.
 *Circling not authorized W of Runways 1/19.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
*C	840	1	400	900	1	466	900	1½	400	1000	2	560
A	Standard.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, Fairbanks; State, Alaska; Airport name, Fairbanks International; Elev., 434'; Facility, FAI VORTAC; Procedure No. VORTAC-1, Amdt. Orig.; Eff. date, 27 Nov. 69

11. By amending § 97.23 of Subpart C to amend very high frequency omnirange (VOR) and very high frequency-distance measuring equipment (VOR/DME) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.
 If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 9.2 miles after passing CGT VORTAC.
Steamboat Int	CGT VORTAC	Direct	2300	Turn right, climbing to 2300' and proceed
Peotone VORTAC	Monee Int	Direct	2300	direct to CGT VORTAC.
Monee Int	CGT VORTAC (NOPT)	Direct	2300	Supplementary charting information: 2 climbways, 823°—(1) 41°38'21"/87°24'25"; (2) 41°38'20"/87°24'23". Runway 2, TDZ elevation, 588'.

Procedure turn S side if crs, 236° Outbd, 046° Inbd, 2300' within 10 miles of CGT VORTAC.
 FAF, CGT VORTAC. Final approach crs, 046°. Distance FAF to MAP, 9.2 miles.
 Minimum altitude over CGT VORTAC, 2300'; over Hammond Int., 1480'.
 MSA: 090°-180°-2200'; 180°-270°-2400'; 270°-090°-3100'.
 NOTES: (1) Radar vectoring. (2) Use Midway altimeter setting when control zone not effective; circling and straight-in MDA increased 80'.
 #Alternate minimums not authorized when control zone not effective.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	VIS
S-2	1480	1¼	892	1480	1½	892	1480	1¾	892	NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	
C	1480	1¼	889	1480	1½	889	1480	1¾	889	NA
VOR/DME or VOR/NDB Minimums:										
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	
S-2	1100	1	512	1100	1	512	1100	1	512	NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	
C	1180	1	589	1180	1	589	1180	1½	589	NA
A	Standard#.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.			

City, Gary; State, Ind.; Airport name, Gary; Elev., 591'; Facility, CGT; Procedure No. VOR Runway 2, Amdt. 5; Eff. date, 27 Nov. 69; Sup. Amdt. No. 4; Dated, 22 May 69

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR—Continued

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 3.1 miles after passing JBR VOR.	
ARG VORTAC.....	JBR VOR.....	Direct.....	2000	Climbing left turn to 2000' direct JBR VOR and hold. Supplementary charting information: Hold NE of JBR VOR on R 042°-222° Inbnd, right turns, 1 minute. Runway 23, TDZ elevation, 258'.	
Hillmann Int.....	JBR VOR.....	Direct.....	3000		

Procedure turn N side of crs, 042° Outbnd, 222° Inbnd, 2000' within 10 miles of JBR VOR.
FAF, JBR VOR. Final approach crs, 222°. Distance FAF to MAP, 3.1 miles.
Minimum altitude over JBR VOR, 1900'.
MSA: 000°-360°-2000'.

*When control zone not effective except for operators with approved weather service: (1) Use Blytheville AFB altimeter setting. (2) Increase circling and straight-in MDA 150'. (3) Alternate minimums not authorized.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	VIS
S-23.....	660	1	402	660	1	402	660	1	402	NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	
C.....	820	1	550	820	1	550	860	1½	590	NA
A.....	Standard.*			T 2-eng. or less—Standard.			T over 2-eng.—Standard.			

City, Jonesboro; State, Ark.; Airport name, Jonesboro Municipal; Elev., 261'; Facility, JBR; Procedure No. VOR Runway 23, Amdt. 1; Eff. date, 27 Nov. 69; Sup. Amdt. No. Orig.; Dated, 4 Sept. 69

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: LWV VOR.	
Decker Int.....	LWV VOR.....	Direct.....	2100	Climb to 2100' on LWV R 172° and return to VOR. Supplementary charting information: Final approach crs intercept runway centerline 5000' from threshold. TDZ elevation, 428'.	
New Hebron Int.....	LWV VOR.....	Direct.....	2100		

Procedure turn W side of crs, 352° Outbnd, 172° Inbnd, 2100' within 10 miles of VOR.
Final approach crs, 172°.

MSA: 000°-090°-2600'; 180°-360°-2500'; 090°-180°-2100'.

Note: Use Lawrenceville-Vincennes altimeter setting through UNICOM; when not available, use Terre Haute altimeter setting and circling and straight-in MDA's become 1360', straight-in visibility for Category C aircraft becomes 1½ mile.

*Standard alternate minimums authorized for operators with approved weather reporting service.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	VIS
S-18.....	960	1	532	960	1	532	960	1	532	NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	
C.....	960	1	532	960	1	532	960	1½	532	NA
A.....	Not authorized.*			T 2-eng. or less—Standard.			T over 2-eng.—Standard.			

City, Lawrenceville; State, Ill.; Airport name, Lawrenceville-Vincennes Municipal; Elev., 428'; Facility, LWV; Procedure No. VOR Runway 18, Amdt. 1; Eff. date, 27 Nov. 69; Sup. Amdt. No. Orig.; Dated, 12 Dec. 68

RULES AND REGULATIONS

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR—Continued

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: LWV VOR.	
Decker Int.	LWV VOR	Direct	2100	Climb to 2100' on LWV R 006° and return to VOR. Supplementary charting information: Final approach crs intercept runway centerline 3055' from threshold.	
New Hebron Int	LWV VOR	Direct	2100		

Procedure turn E side of crs, 186° Outbd, 006° Inbd, 2100' within 10 miles of LWV VOR.

Final approach crs 006°.

MSA: 006°-090°-2000'; 186°-360°-2500'; 006°-180°-2100'.

NOTE: Use Lawrenceville-Vincennes altimeter setting through UNICOM; when not available, use Terre Haute altimeter setting and circling and straight-in MDA's become 1100', straight-in visibility for Category C aircraft becomes 1½ mile.

*Standard alternate minimums authorized for operators with approved weather reporting service.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	VIS
E-30	900	1	472	900	1	472	900	1½	472	NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	
C	900	1	472	900	1	472	900	1	472	NA
A	Not authorized.*			T 2-eng. or less—Standard.			T over 2-eng.—Standard.			

City, Lawrenceville; State, Ill.; Airport Name, Lawrenceville-Vincennes Municipal; Elev., 428'; Facility, LWV; Procedure No., VOR Runway 36, Amdt. 1; Eff. date, 27 Nov. 69; Sup. Amdt. No. Orig.; Dated, 12 Dec. 68

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 4 miles after passing Nason Int.	
ENL VORTAC	VNN VOR	Direct	2100	Climb to 2100' direct to VNN VOR. Supplementary charting information: Final approach crs crosses threshold	
Cartter Int	VNN VOR	Direct	2100		
SAM VOR	VNN VOR	Direct	2300	Runway 5.	
EVV VORTAC	VNN VOR	Direct	2300		
MWA VOR	VNN VOR	Direct	2400	Runway 5, TDZ elevation, 460'.	
MWA VOR	Waltonville Int	V 179°	2400		
Waltonville Int	Nason Int (NOPT)	Direct	1700		

Procedure turn E side of crs, 223° Outbd, 043° Inbd, 2100' within 10 miles of Nason Int.

FAF, Nason Int. Final approach crs, 043°. Distance FAF to MAP, 4 miles.

Minimum altitude over Nason Int, 1700'.

MSA: 187°-270°-2400'; 270°-180°-2100'.

NOTE: Use Vandalia, Ill., altimeter setting when control zone not effective.

‡Dual VOR receivers required.

*Circling and straight-in MDA increased 200' when control zone not effective except operators with approved weather reporting service.

‡Alternate minimums not authorized when control zone not effective except operators with approved weather reporting service.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-54*	1000	1	531	1000	1	531	1000	1	531	1000	1½	531
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C‡	1000	1	520	1000	1	520	1000	1½	520	1040	2	660
A	Standard.‡			T 2-Eng. or less—Standard.			T over 2-Eng.—Standard.					

City, Mount Vernon; State, Ill.; Airport name, Mount Vernon-Outland; Elev., 480'; Facility, VNN; Procedure No., VOR Runway 5, Amdt. 2; Eff. date, 27 Nov. 69; Sup. Amdt. No. 1; Dated, 25 Sept. 69

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR—Continued

Terminal routes			Minimum altitudes (feet)	Missed approach
From—	To—	Via		
				MAP: 5.3 miles after passing Ector Int. Turn right, climbing to 5000' on MAF VORTAC R 235° within 20 miles. Supplementary charting information: Deplet MAP at 1 mile from airport due circling restriction.

Procedure turn N side of crs, 051° Outbnd, 231° Inbnd, 4600' within 10 miles of MAF VORTAC.

FAF, Ector Int. Final approach crs, 231°. Distance FAF to MAP, 5.3 miles.

Minimum altitude over MAF VORTAC, 4600'; over Ector Int, 3500'.

MSA: 000°-180°-4300'; 180°-360°-5100'.

Note: Use Midland approach control altimeter setting.

*Night minimums authorized Runways 16-34 only. Circling not authorized SW of airport defined by Runway 16 and Runway 20 centerlines extended.

‡40-1 required Runway 20 and Runway 16.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	VIS
C#	3300	1	381	3440	1	461	3440	1½	461	NA
A	Not authorized.			T 2-eng. or less—Standard.‡			T over 2-eng.—Standard.‡			

City, Odessa; State, Tex.; Airport name, Ector County; Elev., 2979'; Facility, MAF; Procedure No. VOR-1, Amdt. 1; Eff. date, 27 Nov. 69; Sup. Amdt. No. Orig.; Dated, 16 Oct. 69

Terminal routes			Minimum altitudes (feet)	Missed approach
From—	To—	Via		
				MAP: 1.8 miles after passing ARG VOR TAC. Left turn climb to 2000' on R 015° within 20 miles.

Procedure turn S side of crs, 239° Outbnd, 059° Inbnd, 2000' within 10 miles of ARG VOR.

FAF, ARG VORTAC. Final approach crs, 059°. Distance FAF to MAP, 1.8 miles.

Minimum altitude over ARG VORTAC, 1000'.

MSA: 000°-270°-1800'; 270°-360°-2300'.

#When control zone not effective, the following limitations apply except for operators with approved weather reporting service.

(1) Use Jonesboro, Ark., FSS altimeter setting when available and increase circling MDA 185'; or, use Blytheville AFB altimeter setting and increase circling MDA 320'.

(2) Alternate minimums not authorized.

*Night landing minimums authorized Runways 17/35 only.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	VIS
C#	660	1	385	740	1	465	740	1½	465	NA
A	Standard.#			T 2-eng. or less—Standard.			T over 2-eng.—Standard.			

City, Walnut Ridge; State, Ark.; Airport name, Walnut Ridge Municipal; Elev., 275'; Facility, ARG; Procedure No. VOR-1, Amdt. 6; Eff. date, 27 Nov. 69; Sup. Amdt. No. 5; Dated, 21 Aug. 69

RULES AND REGULATIONS

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE VOR/DME

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes			Missed approach		
From—	To—	Via	Minimum altitudes (feet)	MAP: 5-mile DME Fix, R 147°.	
FSD VORTAC	Chff 10-mile DME Fix	Direct	3800	Climb to 3800' direct to VORTAC.	
R 046°, FSD VORTAC CW	R 135°, FSD VORTAC	16-mile DME Arc	4400	Supplementary charting information:	
R 135°, FSD VORTAC CW	Alvin 16-mile DME Fix	16-mile DME Arc	2800	3444' tower 10 miles SE of airport at 43°29'	
R 319°, FSD VORTAC CCW	Alvin 16-mile DME Fix	16-mile DME Arc	2900	09°/06°38'29"	
Alvin 16-mile DME Fix	Chff 10-mile DME Fix (NOPT)	FSD, R 147°	2900	Runway 33, TDZ elevation, 1421'	

Procedure turn E side of crs, 147° Outbd, 327° Inbd, 3800' within 10 miles of Chff 10-mile DME Fix.

Final approach crs, 327°.

Minimum altitude over Chff 10-mile DME Fix, 2000'.

MSA: 000°-090°-3800'; 090°-180°-4500'; 180°-360°-3100'.

NOTE: Final approach from holding pattern at the Chff 10-mile DME Fix not authorized, procedure turn required.

*Siding scale below 1/4 mile not authorized.

% IFR departure procedures: Aircraft departing southeastbound when weather is below 2100-2, flight below 3900' beyond 5 miles E and SE of airport is prohibited between R 095° and R 135° of FSD VORTAC. Aircraft departing Runways 21 and 33 climb to 1800' on runway heading before turning on crs.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
E-33°	1920	1	499	1920	1	499	1920	1	499	1920	1	499
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	1900	1	532	1960	1	532	1900	1 1/2	532	1980	2	552
A	Standard.			T 2-eng. or less—300-1, Runway 15; RVR 24', Runway 3, Standard all others.%			T over 2-eng.—300-1, Runway 15; RVR 24', Runway 3, Standard all others.%					

City, Sioux Falls; State, S. Dak.; Airport name, Joe Foss Field; Elev., 1428'; Facility, FSD; Procedure No. VOR/DME Runway 33, Amdt. 2; Eff. date, 27 Nov. 69; Sup. Amdt. No. 1; Dated, 28 Sept. 69

Terminal routes			Missed approach		
From—	To—	Via	Minimum altitudes (feet)	MAP: 2.9-mile DME Fix.	
R 015°, ARG VORTAC CW	R 051°, ARG VORTAC (NOPT)	14-mile Arc ARG, R 041° lead radial.	2000	Climb to 2000' on ARG VORTAC R 230° within 20 miles.	
R 140°, ARG VORTAC CCW	R 051°, ARG VORTAC (NOPT)	14-mile Arc ARG, R 061 lead radial	2000		
14-mile DME Fix, R 051° ARG VORTAC	6-mile DME Fix (NOPT)	R 051°	1800		

Procedure turn N side of crs, 051° Outbd, 231° Inbd, 2000' within 10 miles of 6-mile DME (Kean Int).

Final approach crs, 231°.

Minimum altitude over 6-mile DME (Kean Int), 1800'.

MSA: 000°-270°-1800'; 270°-360°-2300'.

#When control zone not effective, the following limitations apply except for operators with approved weather reporting service:

(1) Use Jonesboro, Ark., FSS altimeter setting when available and increase circling and straight-in MDA 180'; or, use Blytheville AFB altimeter setting and increase circling and straight-in MDA 320'.

(2) Alternate minimums not authorized.

*Night landing minimums authorized Runways 17/35 only.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	VIS
E-22°#	640	1	365	640	1	365	640	1	365	NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	
C#	660	1	385	740	1	465	740	1 1/2	465	NA
A	Standard.#			T 2-eng. or less—Standard.			T over 2-eng.—Standard.			

City, Walnut Ridge; State, Ark.; Airport name, Walnut Ridge Municipal; Elev., 275'; Facility, ARG; Procedure No. VOR/DME Runway 22, Amdt. 2; Eff. date, 27 Nov. 69; Sup. Amdt. No. 1; Dated, 21 Aug. 69

12. By amending § 97.25 of Subpart C to establish localizer (LOC) and localizer-type directional aid (LDA) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE LOC (BC)

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.
If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 3.7 miles after passing Bath Int.
Allentown VORTAC	Bath Int.	Direct	2400	Climb to 3000' on LOC front crs to AB
Allentown LOM	Bath Int.	Direct	2400	LOM, right turn direct to ETX VOR
Tannersville VORTAC	Nazareth Int.	Direct	3000	TAC and hold.
Nazareth Int.	Bath Int (NOPT)	Direct	1400	Supplementary charting information: Hold W, 1 minute, right turns, 112° Inbnd. Runway 24, TDZ elevation, 387'.

Procedure turn E side of crs, 061° Outbnd, 241° Inbnd, 2400' within 10 miles of Bath Int.
FAF, Bath Int. Final approach crs, 241°. Distance FAF to MAP, 3.7 miles.
Minimum altitude over Nazareth Int., 2400'; over Bath Int, 1400'.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-24	800	¾	413	800	¾	413	800	¾	413	800	1	413
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	800	1	412	840	1	452	840	1½	452	940	2	552
A	Standard.			T 2-eng. or less—RVR 24', Runway 6; Standard all others. T over 2-eng.—RVR 24', Runway 6; Standard all others.								

City, Allentown; State, Pa.; Airport name, Allentown-Bethlehem-Easton; Elev., 388'; Facility, I-ABE; Procedure No. LOC (BC) Runway 24, Amdt. 8; Eff. date, 27 Nov. 69; Sup. Amdt. No. ILS-24 (BC), Amdt. 7; Dated, 10 July 65

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE LOC

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.
If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 4.7 miles after passing Cache Int.
FAI VORTAC	Cache Int.	Direct	2600	Climbing right turn to 3000' direct to FI
FI LFR	Cache Int.	Direct	2600	LFR.
ENN VORTAC	Wood Int.	Direct	2600	Alternate missed approach: When directed
Wood Int.	Cache Int (NOPT)	8 crs LOC	1500	by ATC, climbing right turn to 4000'
FAI R 168°, 15-mile DME Fix	FAI LOC 8 crs (NOPT)	FAI, R 168°	1500	FAI R 100°, thence direct to FAI VORTAC.
				Supplementary charting information: Terrain rising to 1000' within 2 miles W of airport. 1580' hill 3 miles SW of airport.

Procedure turn E side of crs, 190° Outbnd, 010° Inbnd, 2600' within 10 miles of Cache Int.
FAF, Cache Int. Final approach crs, 010°. Distance FAF to MAP, 4.7 miles.
Minimum altitude over Cache Int. 1500'.

NOTE: ASR.
*Circling not authorized W of Runways 1/19.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-1	780	¾	346	780	¾	346	780	¾	346	780	1	346
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*	820	1	386	900	1	466	900	1½	466	1000	2	566
A	Standard.			T 2-eng. or less—Standard.						T over 2-eng.—Standard.		

City, Fairbanks; State, Alaska; Airport name, Fairbanks International; Elev., 434'; Facility, I-FAI; Procedure No. LOC (BC) Runway 1, Amdt. 6; Eff. date, 27 Nov. 69; Sup. Amdt. No. ILS-1 (BC), Amdt. 5; Dated, 16 Apr. 66

13. By amending § 97.25 of Subpart C to amend localizer (LOC) and localizer-type directional aid (LDA) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE LOC

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 3.7 miles after passing Renner Int.	
FS LOM	Renner Int.	Direct	2800	Climb to 3200' on SW crs of ILS direct to	
FSD VORTAC	Renner Int.	Direct	2700	FS LOM, return to Renner Int.	
Sherman Int.	FSD LOC	251° crs 2 miles	2700	Supplementary charting information: 344°	
DR Position LOC crs	Renner Int (NOPT)	LOC crs	2500	lower 10 miles SE of airport at 43°29'00"	
R 202°, FSD VORTAC CW	FSD LOC	9-mile Arc, 635° lead radial	3000	96°38'20"	
9-mile Arc	Renner Int (NOPT)	LOC crs	2500	Runway 21, TDZ elevation, 1422'	
R 180°, FSD VORTAC CCW	R 092°, FSD VORTAC	12-mile Arc	4400		
R 092°, FSD VORTAC CCW	R 051°, FSD VORTAC	12-mile Arc	3000		
12-mile DME Fix, R 051° FSD VORTAC	FSD LOC	251° crs 2 miles	2700		

Procedure turn W side of crs, 026° Outbd, 206° Inbd, 2700' within 10 miles of Renner Int.
 FAF, Renner Int. Final approach crs, 206°. Distance FAF to MAP, 3.7 miles.
 Minimum altitude over Renner Int, 2500'.
 NOTE: Dual VOR receivers required.
 *Reduction below 1/4 mile not authorized.
 %IFR departure procedures: Aircraft departing southeastbound when weather is below 2100-2, flight below 3000' beyond 5 miles E and SE of airport is prohibited between R 068° and R 133° of FSD VORTAC. Aircraft departing Runways 21 and 33 climb to 1800' on runway heading before turning on crs.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-21*	1760	3/4	338	1760	3/4	338	1760	3/4	338	1760	1	338
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	1960	1	532	1960	1	532	1960	1 1/4	532	1980	2	532
A	Standard.			T 2-eng. or less—300-1, Runway 15; RVR 24', Runway 3; Standard all others.5%			T over 2-eng.—300-1, Runway 15; RVR 24', Runway 2			Standard all others.5%		

City, Sioux Falls; State, S. Dak.; Airport name, Joe Foss Field; Elev., 1428'; Facility, I-FSD; Procedure No. LOC (BC) Runway 21, Amdt. 12; Eff. date, 27 Nov. 65; Sup. Amdt. No. 11; Dated, 18 Sept. 69

14. By amending § 97.27 of Subpart C to establish nondirectional beacon (automatic direction finder) (NDB/ADF) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE NDB (ADF)

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 6.1 miles after passing AB LOM.	
Allentown VORTAC	AB LOM	Direct	2400	Climbing left turn to 2500' direct to AB	
Lehigh Int.	AB LOM	Direct	2700	LOM and hold.	
Coopersburg Int.	AB LOM	Direct	2500	Supplementary charting information:	
East Texas VORTAC	AB LOM	Direct	2400	Hold SW, 1 minute, left turns, 061° Inbd.	
Pottstown VORTAC	Shamrock Int.	Direct	2400	Runway 6, TDZ elevation, 386'.	
Shamrock Int.	AB LOM (NOPT)	Direct	2000		

Procedure turn N side of crs, 241° Outbd, 061° Inbd 2400' within 10 miles of AB LOM.
 FAF, AB LOM. Final approach crs, 061°. Distance FAF to MAP, 6.1 miles.
 Minimum altitude over Shamrock Int., 2400'; over AB LOM, 2000'.
 MSA: 000°-090°-3500'; 090°-180°-2600'; 180°-270°-2500'; 270°-360°-3500'.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-6	960	RVR 40	574	960	RVR 40	574	960	RVR 40	574	960	RVR 50	574
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	960	1	572	960	1	572	960	1 1/4	572	960	2	572
A	Standard.			T 2-eng. or less—RVR 24', Runway 6; Standard all others.			T over 2-eng.—RVR 24', Runway 6; Standard all others.					

City, Allentown; State, Pa.; Airport name, Allentown-Bethlehem-Easton; Elev., 388'; Facility, AB; Procedure No. NDB (ADF) Runway 6, Amdt. 7; Eff. date, 27 Nov. 68; Sup. Amdt. No. 6; Dated, 19 Dec. 68

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE NDB (ADF)—Continued

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 3.9 miles after passing BON NDB.
HMV VORTAC	Piney Int.	Direct	6000	Climb to 3600' on crs 044° to TR LOM and hold; or, when directed by ATC, climbing right turn to 3600' direct to BON NDB and hold SW, 1 minute, right turns, 044° Inbd. 4000 Supplementary charting information: Hold NE, 1 minute, left turns, 224° Inbd. 3600 HIRLS Runways 9/27 and 4/22. Runway 4, TDZ elevation, 1509'.
Piney Int.	BON NDB	Direct	3600	
Telford Int.	BON NDB	Direct	3600	
Hilton Int.	Weber Int.	Direct	5000	
Weber Int.	BON NDB	Direct	3600	
Yuma Int.	BON NDB	Direct	4000	
United Int.	Jay Int.	Direct	6000	
Jay Int.	BON NDB	Direct	3600	
BLA VOR	Wallace Int.	Direct	5700	
Wallace Int.	BON NDB	Direct	3600	
TR LOM	BON NDB	Direct	3600	
V 10'	BON NDB (NOPT)	Via BON bearing 224°	2700	

Procedure turn E side of crs, 224° Outbd, 044° Inbd, 3600' within 10 miles of BON NDB.

FAF, BON NDB. Final approach crs, 044°. Distance FAF to MAP, 3.9 miles.

Minimum altitude over BON NDB, 2700'.

MSA: 000°-090°-6400'; 090°-180°-8300'; 180°-270°-7600'; 270°-360°-6300'.

NOTE: ASR.

*Circling not authorized N and W of centerline of Runways 4/22.

CAUTION: Abrupt changes in terrain elevations immediately adjacent to procedure areas. Due to high terrain, aircraft within limited climb capability departing on routes via HMV VORTAC should request clearance to climb on track of 044° from BON NDB or 224° from TR LOM to 4000' before continuing climb on crs.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
B-4	2080	1	575	2080	1	575	2080	1	575	2080	1 1/4	575
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*	2080	1	561	2080	1	561	2080	1 1/2	561	2080	2	561
A	1000-2	T 2-eng. or less—RVR 50', Runway 22; Standard all T over 2-eng.—RVR 24', Runway 22; Standard all others.										

City, Bristol, State, Tenn.; Airport name, Tri-City; Elev., 1519'; Facility, BON; Procedure No. NDB (ADF) Runway 4, Amdt. 7; Eff. date, 27 Nov. 69; Sup. Amdt. No. ADF 2, Amdt. 6; Dated, 14 May 66

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 6 miles after passing TR LOM.
HMV VORTAC	Silver Int.	Direct	6000	Climb to 3600' direct to BON NDB and hold; or, when directed by ATC, turn right, climb to 4000' on R 263° HMV VORTAC to Yuma Int and hold NW, 1 minute, right turns, 113° Inbd. 5000 Supplementary charting information: Hold SW, 1 minute, right turns, 044° Inbd. 3600 HIRLS Runways 9/27 and 4/22. Chart: Silver, Wallace, and Emmett Int. Runway 22, TDZ elevation, 1518'.
Silver Int.	TR LOM	Direct	3600	
Telford Int.	TR LOM	Direct	3600	
Yuma Int.	TR LOM	Direct	3800	
Hilton Int.	TR LOM	Direct	5000	
Orendale Int.	Wallace Int.	Direct	5000	
Wallace Int.	TR LOM (NOPT)	Direct	3600	
Dumascus Int.	Emmett Int.	271° bearing to TR LOM	6000	
Emmett Int.	TR LOM	Direct	3600	
BON NDB	TR LOM	Direct	3600	

Procedure turn E side of crs, 044° Outbd, 224° Inbd, 3600' within 10 miles of TR LOM.

FAF, TR LOM. Final approach crs, 224°. Distance FAF to MAP, 6 miles.

Minimum altitude over TR LOM, 3600'; over Beaver Int., 2400'.

MSA: 000°-090°-6300'; 090°-180°-8300'; 180°-270°-7300'; 270°-360°-6300'.

NOTE: ASR.

CAUTION: Abrupt changes in terrain elevation immediately adjacent to procedure areas. Due to high terrain, aircraft with limited climb capability departing on routes via HMV VORTAC should request clearance to climb on a track of 044° from BON NDB or 224° from TR LOM to 4000' before continuing climb on crs.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
B-20	2400	1	882	2400	1 1/4	882	2400	1 1/4	882	2400	1 1/4	882
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	2400	1	881	2400	1 1/4	881	2400	1 1/4	881	2400	2	881
NDB/VOR Minimums:												
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
B-20	2320	1	802	2320	1	802	2320	1 1/4	802	2320	1 1/4	802
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	2320	1	801	2320	1	801	2320	1 1/4	801	2320	2	801
A	900-2	T 2-eng. or less—RVR 50', Runway 22; Standard all T over 2-eng.—RVR 24', Runway 22; Standard all others.										

City, Bristol, State, Tenn.; Airport name, Tri-City; Elev., 1519'; Facility, TR; Procedure No. NDB (ADF) Runway 22, Amdt. 9; Eff. date, 27 Nov. 69; Sup. Amdt. No. ADF 1, Amdt. 8; Dated, 16 Apr. 66

RULES AND REGULATIONS

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE NDB (ADF)—Continued

Terminal routes			Minimum altitudes (feet)	Missed approach MAP: 5.6 miles after passing FA LOM.
From—	To—	Via		
FAI VORTAC.....	FOX NDB.....	Direct.....	4000	Climb to 4000' on 190° bearing from FA LOM within 15 miles. Alternate missed approach: When directed by ATC, turn left, climb to 4000' on FAI VORTAC R-100° thence proceed direct to FAI VORTAC. Supplementary charting information: Terrain rising to 1000' within 2 miles W of airport. 1580' hill 3 miles SW of airport.
FI LFR.....	FOX NDB.....	Direct.....	4000	

Procedure turn W side of crs, 010° Outbd, 190° Inbd, 4000' within 10 miles of FOX NDB.
FAF, FA LOM. Final approach crs, 190°. Distance FAF to MAP, 5.6 miles.
Minimum altitude over FOX NDB, 4000'; over FA LOM, 2300'; over 3-mile Radar Fix, 1300'.
MSA: 000°-090°-4600'; 090°-180°-3600'; 180°-270°-4000'; 270°-360°-4300'; within 25 miles of FA LOM.
NOTE: ASR.
*Circling not authorized W of Runways 1/19.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
8-19.....	1300	3/4	866	1300	1	866	1300	1	866	1300	1 1/4	866
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*.....	1300	1	866	1300	1 1/4	866	1300	1 1/4	866	1300	2	866
	Utilizing 3-mile Radar Fix:											
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
8-19.....	920	3/4	486	920	3/4	486	920	3/4	486	920	1	486
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*.....	920	1	486	920	1	486	920	1 1/4	486	1000	2	366
A.....	Standard.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, Fairbanks; State, Alaska; Airport name, Fairbanks International; Elev., 434'; Facility FA LOM; Procedure No. NDB (ADF) Runway 19, Amdt. 10; Eff. date, 27 Nov. 65.
Sup. Amdt. No. ADF 1, Amdt. 9; Dated 1 Jan. 66

Terminal routes			Minimum altitudes (feet)	Missed approach MAP: LOG NDB.
From—	To—	Via		
TUT NDB.....	LOG NDB.....	Direct.....	4100	Climbing right turn to 4100' on 208° bearing. Return to LOG NDB. Supplementary charting information: Terrain: 1279', 1.4 miles NE; 1000', 1.3 miles NW; 1545', 2.1 miles W; 642', 1.1 miles N of final approach crs.
TUT VOR.....	LOG NDB.....	Direct.....	4100	

Procedure turn right teardrop S side of crs, 208° Outbd, 048° Inbd, 2400' within 10 miles of LOG NDB.
Final approach crs, 048°.
Minimum altitude over LOG NDB, 1000'.
MSA: 000°-360°-4100'.
NOTE: Air carrier will not reduce takeoff visibility due to local conditions Runway 23.
#Circling to N of centerline Runways 5/23 not authorized.
%Climb so as to cross facility 4100' or above.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C#.....	1000	2	970	1000	2	970	1000	2	970	1000	2	970
A.....	1000-2, T 2-eng. or less—1000-2, Right Runway 5; Left Runway 23.5%			T over 2-eng.—1000-2, Right Runway 5; Left Runway 23.5%								

City, Pago Pago, Island, Tutuila Island; Territory, American Samoa; Airport name, Pago Pago International; Elev., 30'; Facility LOG; Procedure No. NDB (ADF)-1, Amdt. Orig.; Eff. date, 27 Nov. 69

15. By amending § 97.27 of Subpart C to amend nondirectional beacon (automatic direction finder) (NDB/ADF) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE NDB (ADF)

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: BVX NDB.	
ARG VORTAC.....	BVX NDB.....	Direct.....	2500	Climbing right turn to 2300' direct BVX NDB and hold. Supplementary charting information: Hold E of BVX NDB on bearing 100°-280° Inbnd, right turns, 1 minute.	

Procedure turn N side of crs, 100° Outbnd, 280° Inbnd, 2300' within 10 miles of BVX NDB.

Final approach crs, 280°.

Minimum altitude over BVX NDB, 1140'.

MSA: 000°-180°-2000'; 180°-300°-2000'.

Note: When Walnut Ridge, Ark., altimeter setting not available, use Jonesboro, Ark., FSS altimeter setting and increase MDA 40'; or, use Little Rock approach control altimeter setting and increase MDA 300'.

%Takeoff Runway 35: 300-1 required or water tank located 3/4 mile N of airport must be visible.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C	D
	MDA	VIS	HAA	MDA	VIS	HAA	VIS	VIS
C.....	1140	1	677	1140	1	677	NA	NA
A.....	Not authorized.			T 2-eng. or less—Standard. %			T over 2-eng.—Standard. %	

City, Batesville; State, Ark.; Airport name, Batesville Municipal; Elev., 463'; Facility, BVX; Procedure No. NDB (ADF)-1, Amdt. 3; Eff. date, 27 Nov. 69; Sup. Amdt. No. 2; Dated, 4 Sept. 69

Terminal routes				Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: PGR NDB.	
ARG VORTAC.....	PGR NDB.....	Direct.....	2100	Climb to 2100', left turn direct PGR NDB and hold. Supplementary charting information: Hold S of PGR NDB on bearing 230°-050° Inbnd, 1 minute, left turns.	

Procedure turn W side of crs, 230° Outbnd, 050° Inbnd, 2100' within 10 miles of PGR NDB.

Final approach crs, 050°.

Minimum altitude over PGR NDB, 1000'.

MSA: 000°-360°-2000'.

Note: When Jonesboro, Ark., FSS altimeter setting not available, use Blytheville AFB altimeter setting and increase circling and straight-in MDA 100'.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C	D
	MDA	VIS	HAT	MDA	VIS	HAT	VIS	VIS
S-05.....	1000	1	709	1000	1	709	NA	NA
	MDA	VIS	HAA	MDA	VIS	HAA		
C.....	1000	1	709	1000	1	709	NA	NA
A.....	Not authorized.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.	

City, Paragould; State, Ark.; Airport name, Paragould Municipal; Elev., 291'; Facility, PGR; Procedure No. NDB (ADF) Runway 5, Amdt. 3; Eff. date, 27 Nov. 69; Sup. Amdt. No. 2; Dated, 4 Sept. 69

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE NDB (ADF)—Continued

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: 4.6 miles after passing RO LOM.
ROW VORTAC.....	RO LOM.....	Direct.....	5000	Climb to 6000' on crs 213°, left turn, direct to RO LOM and hold*. Supplementary charting information: *Hold NE, 1 minute, right turns, 213° Inbnd. TDZ elevation, 3633'.
Hope Int.....	RO LOM.....	Direct.....	5500	
Hagerman Int.....	RO LOM.....	Direct.....	5000	
Ranch Int.....	RO LOM (NOPT).....	Direct.....	5000	
Nelson DME Fix.....	RO LOM.....	Direct.....	5000	
Dexter DME Fix.....	RO LOM.....	Direct.....	5000	
Hondo DME Fix.....	RO LOM.....	Direct.....	5500	
Dunlap DME Fix.....	RO LOM.....	Direct.....	5500	

Procedure turn N side of crs, 633° Outbnd, 213° Inbnd, 5000' within 10 miles of RO LOM.

FAP, RO LOM. Final approach crs, 213°. Distance FAP to MAP, 4.6 miles.

Minimum altitude over RO LOM, 5000'.

MSA: 060°-180°-3200'; 180°-300°-7000'.

Notes: Use Roswell FSS altimeter setting when control zone not effective.

*Alternate minimums not authorized when control zone not effective except operators with approved weather reporting service.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
8-21.....	3980	3/4	347	3980	3/4	347	3980	3/4	347	3980	1	347
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C.....	4120	1	451	4120	1	451	4120	1 1/2	451	4220	2	551
A.....	Standard.*			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, Roswell; State, N. Mex.; Airport name, Roswell Industrial Air Center; Elev., 3669'; Facility, RO; Procedure No. NDB (ADF) Runway 21, Amdt. 3; Eff. date, 27 Nov. 69; Sup. Amdt. No. 2; Dated, 3 Oct. 68.

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: AWM NDB.
Walls Int.....	AWM NDB.....	Direct.....	1800	Climb to 1800' right turn direct to AWM NDB and hold. Supplementary charting information: Hold N of AWM NDB on bearing 347°-167° Inbnd, right turns, 1 minute. TDZ elevation, 212'.
Porter Int.....	AWM NDB.....	Direct.....	1800	
Kerrville Int.....	AWM NDB.....	Direct.....	1800	

Procedure turn W side of crs, 347° Outbnd, 167° Inbnd, 1800' within 10 miles of AWM NDB.

Final approach crs, 167°.

Minimum altitude over AWM NDB, 700'.

MSA: 045°-135°-2400'; 135°-045°-1700'.

Notes: (1) Use Memphis altimeter setting. (2) Radar vectoring.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	VIS
8-17.....	700	1	488	700	1	488	700	1	488	NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	
C.....	700	1	488	700	1	488	700	1 1/2	488	NA
A.....	Not authorized.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.			

City, West Memphis; State, Ark.; Airport name, West Memphis Municipal; Elev., 212'; Facility, AWM; Procedure No. NDB (ADF) Runway 17, Amdt. 2; Eff. date, 27 Nov. 69; Sup. Amdt. No. 1; Dated, 9 Oct. 69.

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE NDB (ADE)—Continued

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: AWM NDB.
Walls Int.	AWM NDB	Direct	1800	Climb to 1800' left turn direct to AWM NDB and hold. Supplementary charting information: Hold 8 of AWM NDB on bearing 182°-002° Inbnd, left turns, 1 minute. TDZ elevation, 212'.
Porter Int.	AWM NDB	Direct	1800	
Kerrville Int.	AWM NDB	Direct	1800	

Procedure turn W side of crs, 182° Outbnd, 002° Inbnd, 1800' within 10 miles of AWM NDB.
Final approach crs, 002°.
Minimum altitude over Island Int., 740'.
MRA: 045°-135°-2400'; 135°-045°-1700'.
NOTE: (1) Use Memphis altimeter setting. (2) Radar vectoring.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-35	740	1	528	740	1	528	740	1	528			NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA			
C	740	1	528	740	1	528	740	1½	528			NA
	NDB/VOR Minimums:											
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-35	660	1	448	660	1	448	660	1	448			NA
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	660	1	448	660	1	468	680	1½	468			NA
A	Not authorized.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, West Memphis; State, Ark.; Airport name, West Memphis Municipal; Elev., 212'; Facility, AWM; Procedure No. NDB (ADF) Runway 35, Amdt. 1; Eff. date, 27 Nov. 69; Sup. Amdt. No. Orig.; Dated, 12 Dec. 68

16. By amending § 97.29 of Subpart C to establish instrument landing system (ILS) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE ILS

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.
If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: ILS DH, 586'; LOC 6.1 miles after passing AB LOM.
Allentown VORTAC	AB LOM	Direct	2400	Climb to 3000' to Belfast Int via LOC back crs and ABE R 115° and hold. Supplementary charting information: Hold SE, 1 minute, right turns, 298° Inbnd. Runway 6, TDZ elevation, 380'.
Lehigh Int.	AB LOM	Direct	2700	
Coopersburg Int.	AB LOM	Direct	2500	
East Texas VORTAC	AB LOM	Direct	2400	
Patterson VORTAC	Shamrock Int.	Direct	2400	
Shamrock Int.	AB LOM (NOPT)	Direct	2400	

Procedure turn N side of crs, 341° Outbnd, 061° Inbnd, 2400' within 10 miles of AB LOM.
FAF, AB LOM. Final approach crs, 061°. Distance FAF to MAP, 6.1 miles.
Minimum glide slope interception altitude, 2400'. Glide slope altitude at OM, 2360'; at MM, 603'.
Distance to runway threshold at OM, 6.1 miles; at MM, 0.6 mile.
MRA: 000°-060°-3500'; 060°-180°-2600'; 180°-270°-2500'; 270°-360°-3500'.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT
S-4	586	RVR 24	200	586	RVR 24	200	586	RVR 24	200	586	RVR 24	200
LOC:	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-4	720	RVR 24	334	720	RVR 24	334	720	RVR 24	334	720	RVR 40	334
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	740	1	352	840	1	452	840	1½	452	940	2	552
A	Standard.			T 2-eng. or less—RVR 24', Runway 6; Standard all others.			T over 2-eng.—RVR 24', Runway 6; Standard all others.					

City, Allentown; State, Pa.; Airport name, Allentown-Bethlehem-Easton; Elev., 388'; Facility, I-ABE; Procedure No. ILS Runway 6, Amdt. 10; Eff. date, 27 Nov. 69; Sup. Amdt. No. 9; Dated, 19 Dec. 68

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE ILS—Continued

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: ILS DH, 1718'; LOC 6 miles after passing TR LOM.
HMV VORTAC	Silver Int.	Direct	6000	Climb to 3600' direct to BON NDB and hold; or, when directed by ATC, turn right climb to 4000' on R 293° HMV VORTAC to Yuma Int; and hold NW, 1 minute, right turns, 113° Inbd. Supplementary charting information: 5000 Hold SW, 1 minute, right turns, 04° Inbd. 3600 HIRLS Runways 9/27 and 4/22. 3600 Chart: Silver, Wallace, and Emmett Int. Runway 22, TDZ elevation, 1515'.
Silver Int.	TR LOM	Direct	3600	
Telford Int.	TR LOM	Direct	3600	
Yuma Int.	TR LOM	Direct	3600	
Hilton Int.	TR LOM	Direct	5000	
Greendale Int.	Wallace Int.	Direct	5000	
Wallace Int.	TR LOM (NOPT)	Direct	3600	
Damascus Int.	Emmett Int.	271° bearing to TR LOM	6000	
Emmett Int.	TR LOM	Direct	3600	
BON NDB	TR LOM	Direct	3600	

Procedure turn E side of crs, 044° Outbd, 224° Inbd, 3600' within 10 miles of TR LOM.

FAF, TR LOM. Final approach crs, 224°. Distance FAF to MAP, 6 miles.

Minimum altitude over TR LOM, 3600'; over Beaver Int, 2400'.

Minimum glide slope interception altitude, 3600'. Glide slope altitude at OM, 3462'; at MM, 1742'.

Distance to runway threshold at OM, 6 miles; at MM, 0.5 mile.

MSA: 000°-090°-6300'; 090°-180°-8300'; 180°-270°-7300'; 270°-360°-6300'.

NOTE: (1) ASR. (2) Localizer back crs unusable.

CAUTION: Abrupt changes in terrain elevations adjacent to procedure areas. Due to high terrain, aircraft with limited climb capability departing on routes via HMV VORTAC should request clearance to climb on a track of 044° from BON NDB or 224° from TR LOM to 4000' before continuing climb on crs.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT
8-22	1718	RVR 24	200	1718	RVR 24	200	1718	RVR 24	200	1718	RVR 24	200
LOC:	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
8-22	2340	RVR 50	822	2340	RVR 50	822	2340	RVR 60	822	2340	1 1/2	822
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	2340	1	821	2340	1	821	2340	1 1/2	821	2340	2	821
	LOC/VOR Minimums:											
LOC:	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
8-22	2200	RVR 50	682	2200	RVR 50	682	2200	RVR 50	682	2200	RVR 60	682
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C	2200	1	741	2200	1	741	2200	1 1/2	801	2200	2	801
A	Standard.			T 2-eng. or less—RVR 50', Runway 22; Standard all T over 2-eng.—RVR 24, Runway 22; Standard all others.								

City, Bristol; State, Tenn.; Airport name, Tri-City; Elev., 1515'; Facility, I-TRI; Procedure No. ILS Runway 22, Amdt. 14; Eff. date, 27 Nov. 66; Sup. Amdt. No. 15; Dated, 14 Oct. 67

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: DH, 634'; LOC 5.6 miles after passing FA LOM.
FAI VORTAC	FOX NDB	Direct	4000	Climb to 4000' on 8 crs ILS LOC within 15 miles. Alternate missed approach: When directed by ATC, climbing left turn to 4000' to FAI R 160° thence direct to FAI VORTAC. Supplementary charting information: Terrain rising to 1000' within 2 miles W of airport. 1580' hill 3 miles SW of airport.
FI LFB	FOX NDB	Direct	4000	

Procedure turn W side of crs, 010° Outbd, 190° Inbd, 4000' within 10 miles of FOX NDB.

FAF, FA LOM. Final approach crs, 190°. Distance FAF to MAP, 5.6 miles.

Minimum altitude over FOX NDB, 4000'; over FA LOM, 2300'; over 3-mile Radar Fix, 1020'.

Minimum glide slope interception altitude, 2300'. Glide slope altitude at OM, 2310'; at MM, 660'.

Distance to runway threshold at OM, 5.6 miles; at MM, 0.6 mile.

MSA: 000°-090°-4600'; 090°-180°-3600'; 180°-270°-4000'; 270°-360°-4300'; within 25 miles FA LOM;

NOTE: ASR.

*Circling not authorized W Runways 1/19.

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE ILS—Continued
DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT
S-19.....	634	½	200	634	½	200	634	½	200	634	½	200
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*.....	820	1	386	900	1	466	900	1½	466	1000	2	566
LOC:	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-19.....	1020	½	586	1020	½	586	1020	½	586	1020	1	586
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*.....	1020	1	586	1020	1	586	1020	1½	586	1020	2	586
Utilizing 3-mile Radar Fix:												
LOC:	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-19.....	760	½	326	760	½	326	760	½	326	760	¼	326
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*.....	820	1	386	900	1	466	900	1½	466	1000	2	566
A.....	Standard.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, Fairbanks; State, Alaska; Airport name, Fairbanks International; Elev., 434'; Facility, I-FAI; Procedure No. 11.8 Runway 19, Amdt. 11; Eff. date, 27 Nov. 69; Sup. Amdt. No. 10; Dated, 15 July 67

17. By amending § 97.29 of Subpart C to amend instrument landing system (ILS) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE ILS

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVB.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Initial approach minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: ILS DH 1978'; LOC 5.9 miles after passing AB LOM.
ABI VORTAC.....	AB LOM.....	Direct.....	3900	Climb to 3300' on LOC crs 350° within 20 miles; or, turn right, climb to 3300' on
DYS VOR.....	AB LOM.....	Direct.....	3900	
Clyde Int.....	AB LOM.....	Direct.....	3900	ABI VORTAC R 088° within 20 miles.
Trussell Int.....	AB LOM.....	Direct.....	3900	Supplementary charting information:
Nugent Int.....	AB LOM.....	Direct.....	3900	Runway 35L, TDZ elevation, 1778'.
Oplia Int.....	AB LOM.....	Direct.....	3900	

Procedure turn E side of crs, 170° Outbd, 350° Inbd, 3900' within 10 miles of AB LOM.

FAP, AB LOM. Final approach crs, 350°. Distance FAP to MAP, 5.9 miles.

Minimum glide slope interception altitude, 3500'. Glide slope altitude at OM, 3400'; at MM, 1966'.

Distance to runway threshold at OM, 5.9 miles; at MM, 0.6 mile.

MSA: 225°-315°-4600'; 315°-225°-3000'.

Note: ASR.

*Circling not authorized NW defined by Runway 25 centerline extended N and Runway 22 centerline extended SW.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D			E		
	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT
S-38L.....	1978	½	200	1978	½	200	1978	½	200	1978	½	200	1978	½	200
LOC:	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-38L.....	2160	½	382	2160	½	382	2160	½	382	2160	¼	382	2160	¼	382
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*.....	2160	1	382	2240	1	462	2240	1½	462	2340	2	562	2360	2	582
A.....	Standard.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.								

City, Abilene; State, Tex.; Airport name, Abilene Municipal; Elev., 1778'; Facility, I-ABI; Procedure No. 11.8 Runway 35L, Amdt. 7; Eff. date, 27 Nov. 69; Sup. Amdt. No. 6; Dated, 10 July 69

RULES AND REGULATIONS

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE ILS—Continued

Terminal routes			Missed approach	
From—	To—	Via	Minimum altitudes (feet)	MAP: ILS DH 299'; LOC 4.6 miles after passing SJ NDB/LOM.
SJU NDB.....	Townsend Int.....	Direct.....	2200	Climb to 1600' on E crs of LOC within 11 miles.
Townsend Int.....	SJ NDB/LOM.....	Direct.....	1400	Supplementary charting information: TDZ elevation, 9'.
R 341°, SJU VORTAC CCW.....	LOC crs SJU, R 255°.....	11-mile DME are SJU R 265° lead radial.	1800	
LOC crs 11-mile DME Fix SJU, R 255°.....	SJ NDB/LOM.....	LOC crs.....	1400	

Procedure turn not authorized.
 Approach crs (profile) starts at Townsend Int.
 FAF, SJ NDB, Final approach crs, 075°. Distance FAF to MAP, 4.6 miles.
 Minimum altitude over Townsend Int, 2200'.
 Minimum glide slope interception altitude, 1400'. Glide slope altitude at OM, 1317'; at MM, 104'.
 Distance to runway threshold at OM, 4.6 miles; at MM, 0.5 mile.
 MSA within 25 miles of SJ NDB/LOM: 000-090°-1300'; 090°-180°-5100'; 180°-270°-5100'; 270°-300°-1800'.
 NOTE: ASR.

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT	DH	VIS	HAT
8-7.....	200	1/4	200	200	1/4	200	200	1/4	200	200	1/4	200
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
LOC:	520	1/4	511	520	1/4	511	520	1/4	511	520	1/4	511
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C.....	520	1	511	520	1	511	520	1 1/2	511	500	2	551
A.....	Standard.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, San Juan; State, P.R.; Airport name, Puerto Rico International; Elev., 9'; Facility, I-SJU; Procedure No. ILS Runway 7, Amdt. 2; Eff. date, 27 Nov. 69; Sup. Amdt. No. 1; Dated, 21 Nov. 68

18. By amending § 97.31 of Subpart C to establish precision approach radar (PAR) and airport surveillance radar (ASR) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE RADAR

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.
 If a radar instrument approach is conducted at the below named airport, it shall be in accordance with the following instrument procedure, unless an approach is conducted in accordance with a different procedure authorized for such airport by the Administrator. Initial approach minimum altitude(s) shall correspond with those established for en route operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when (A) visual contact is established on final approach at or before descent to the authorized landing minimums, or (B) at Pilot's discretion if it appears desirable to discontinue the approach. Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when (A) communication on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controller; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

Radar terminal area maneuvering sectors and altitudes (sectors and distances measured from radar antenna)

From—	To—	Distance	Altitude	Distance	Altitude	Distance	Altitude	Distance	Altitude	Distance	Altitude	Notes
As established by Tri-City, Tenn. APC ASR minimum altitude vectoring chart.												1. Descend aircraft after passing FAF. 2. Runway 22, FAF 6 miles from threshold. Minimum altitude over 3-mile radar fix, 2400'. TDZ elevation, 1518'. 3. Runway 4, FAF 6 miles from threshold. Minimum altitude over 3-mile Radar Fix, 2400'. TDZ elevation, 1505'. CAUTION: Abrupt changes in terrain elevation adjacent to procedure areas. Due to high terrain, aircraft with limited climb capability departing en route via HMV VORTAC should request clearance to climb on a track of 044° from Boone NDB or 224° from TR LOM to 4000' before continuing climb on crs. 4. Radar will provide 1500' vertical clearance within 3-mile radius of exceptionally high terrain or obstructions displayed on radar scope or depicted on MAV charts.
All airway segments from 0 to 35 miles published MEA or sector altitudes whichever is lower. All sector azimuths are clockwise with distance and altitudes based on antenna located on Tri-City airport.												
Missed approach: Runway 4—Climb to 3600' on crs 044° TR LOM and hold. Hold NE, 1 minute, left turns, 224° Inbd. Alternate: Climbing left turn to 4000' to intercept R 263° HMV VORTAC to Yuma Int. Runway 22—Climb to 3600' on crs 224° to Boone NDB and hold. Hold SW, 1 minute, right turns, 044° Inbd. Alternate: Climbing right turn to 4000' to intercept R 293° HMV VORTAC to Yuma Int.												

DAY AND NIGHT MINIMUMS

Cond.	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
8-22.....	2200	RVR 50	742	2200	RVR 50	742	2200	RVR 50	742	2200	RVR 60	742
8-4.....	2100	1	595	2100	1	595	2100	1	595	2100	1 1/4	595
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C.....	2260	1	741	2260	1	741	2320	1 1/2	801	2320	2	801
A.....	Standard.			T 2-eng. or less—RVR 50', Runway 22; Standard all others.			T over 2-eng.—RVR 24', Runway 22; Standard all others.					

City, Bristol; State, Tenn.; Airport name, Tri-City; Elev., 1519'; Facility, Tri-City Radar; Procedure No. Radar-1, Amdt. 3; Eff. date, 27 Nov. 69; Sup. Amdt. No. Radar 1, Amdt. 4; Dated, 18 Nov. 67

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE RADAR—Continued

Radar terminal area maneuvering sectors and altitudes (sectors and distances measured from radar antenna)											Notes
From—	To—	Distance	Altitude	Distance	Altitude	Distance	Altitude	Distance	Altitude	Distance		Altitude
As established by FAI ASR minimum altitude vectoring chart.											1. Runway 1, FAF 4 miles from threshold. 2. Minimum altitude over 4-mile FAF, 1500'. 3. Terrain rising to 1000' within 2 miles W of airport. 4. 1590' hill 3 miles SW of airport. *Circling not authorized W of Runways 1/19.

Missed approach: Climbing right turn to 3000' direct to FI LFR.

Cond.	DAY AND NIGHT MINIMUMS											
	A			B			C			D		
	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT	MDA	VIS	HAT
S-1	1100	3/4	726	1100	3/4	726	1100	1 1/4	726	1100	1 1/4	726
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA
C*	1100	1	726	1100	1	726	1100	1 1/4	726	1100	2	726
A	Standard.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, Fairbanks; State, Alaska; Airport name, Fairbanks International; Elev., 434'; Facility, Fairbanks Radar; Procedure No. Radar-1, Amdt. 2; Eff. date, 27 Nov. 69; Sup. Amdt. No. Radar 1, Amdt. 2; Dated, 7 May 69

19. By amending § 97.31 of Subpart C to amend precision approach radar (PAR) and airport surveillance radar (ASR) procedures as follows:

STANDARD INSTRUMENT APPROACH PROCEDURE—TYPE RADAR

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, and RA. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or hundreds of feet RVR.

If a radar instrument approach is conducted at the below named airport, it shall be in accordance with the following instrument procedure, unless an approach is conducted in accordance with a different procedure authorized for such airport by the Administrator. Initial approach minimum altitude(s) shall correspond with those established for en route operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when (A) visual contact is established on final approach or before descent to the authorized landing minimums, or (B) at Pilot's discretion if it appears desirable to discontinue the approach. Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when (A) communication on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controller; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

Radar terminal area maneuvering sectors and altitudes (sectors and distances measured from radar antenna)											Notes
From—	To—	Distance	Altitude	Distance	Altitude	Distance	Altitude	Distance	Altitude	Distance		Altitude
As established by MEM ASR minimum altitude vectoring chart.											1. Approach crs from 000° CW to 360°. 2. Descend aircraft to MDA after FAF 4 miles from airport. 3. Missed approach point over airport.

Missed approach: Climb to 1800' reverse crs direct to AWM NDB and hold N on the 347° bearing, right turns, 1 minute, 167° Inhd. Use Memphis approach control altimeter setting.

Cond.	DAY AND NIGHT MINIMUMS											
	A			B			C			D		
	MDA	VIS	HAA	MDA	VIS	HAA	MDA	VIS	HAA	VIS		
C	700	1	488	700	1	488	700	1 1/4	488	NA		
A	Not authorized.			T 2-eng. or less—Standard.			T over 2-eng.—Standard.					

City, West Memphis; State, Ark.; Airport name, West Memphis Municipal; Elev., 212'; Facility, MEM 1 ASR; Procedure No. ASR-1, Amdt. 4; Eff. date, 27 Nov. 69; Sup. Amdt. No. 3; Dated, 6 Nov. 69

These procedures shall become effective on the dates specified therein.
 (Secs. 307(c), 313(a), 601, Federal Aviation Act of 1958; 49 U.S.C. 1348(c), 1354(a), 1421; 72 Stat. 749, 752, 775)
 Issued in Washington, D.C., on October 21, 1969.

R. S. SLIFF,
 Acting Director, Flight Standards Service.

[F.R. Doc. 69-12860; Filed, Nov. 6, 1969; 8:45 a.m.]

Title 24—HOUSING AND HOUSING CREDIT

Chapter IV—Government National Mortgage Association, Department of Housing and Urban Development

PART 1665—GUARANTY OF MORTGAGE-BACKED SECURITIES

On August 13, 1969 (34 F.R. 13110), notice was given that the Government National Mortgage Association, under the authority contained in section 309 of the National Housing Act (12 U.S.C. 1723a), was considering the addition of a new Part 1665 to Title 24 of the Code of Federal Regulations. Although the proposed regulations relating to a guaranty are not subject to the rule-making requirements of 5 U.S.C. 553, interested persons were invited to submit written comments, suggestions, or objections to such regulations. After consideration of all relevant material submitted, the proposed regulations, modified as set forth below, are hereby adopted.

Part 1665 of Title 24 is established to read as follows:

Sec.	
1665.1	General.
1665.3	Eligible issuers of securities.
1665.5	Securities.
1665.7	Mortgages.
1665.9	Pool administration.
1665.11	Excess collateral.
1665.13	Guaranty.
1665.15	Fees.
1665.17	Audits and reports.
1665.19	Applications.

AUTHORITY: The provisions of this Part 1665 issued under sec. 309, National Housing Act; 12 U.S.C. 1723a.

§ 1665.1 General.

The Association is authorized by section 306(g) of the National Housing Act, upon such terms and conditions as it may deem appropriate, to guarantee the timely payment of principal and interest on securities which are based on and backed by a trust or pool composed of mortgages which are insured by the Federal Housing Administration or the Farmers' Home Administration, or insured or guaranteed by the Veterans' Administration. The Association's guaranty of mortgage-backed securities is backed by the full faith and credit of the United States. This part is limited to "pass-through" securities, including (a) "straight pass-through" and (b) "modified pass-through" types, and does not purport to set forth all the procedures and requirements that apply to the issuance and guaranty of such securities. All such transactions are governed by the specific terms and provisions of the Association's Mortgage-Backed Securities Guide and contracts entered into by the parties. Further information may be obtained from the Government National Mortgage Association, 451 Seventh Street SW., Washington, D.C. 20414.

§ 1665.3 Eligible issuers of securities.

Any mortgagee, including a State or local governmental instrumentality, which has been approved by the Federal Housing Administration and which has adequate experience and facilities to issue mortgage-backed securities may be approved for a guaranty by the Association, except that no guaranty shall be made of any security which is tax exempt under the Internal Revenue Code of 1954. No issue of securities will be approved for guaranty unless the issuer has net worth, in assets acceptable to the Association, in a ratio of (a) not less than 3 percent on the first \$5 million of guaranteed securities outstanding after such issue, (b) not less than 2 percent on the succeeding \$5 million, and (c) not less than 1 percent on all over \$10 million, but in no case need such net worth exceed \$500,000.

§ 1665.5 Securities.

(a) *Instruments.* Securities to be issued pursuant to the provisions of this part may, at the option of the issuer, be of one of the following types, but only one of such types may be issued against any single pool of mortgages: (1) Straight pass-through securities, which provide for the payment by the issuer to the holders of a proportionate share of the proceeds of principal and interest, as collected, on account of a pool of mortgages, less servicing fees and other specified costs approved by the Association; and (2) modified pass-through securities, which provide either (i) for the payment by the issuer to the holders of a proportionate share of the proceeds of principal, as collected, together with a fixed rate of interest on the unpaid principal balance, whether or not collected, or (ii) for such payment, whether or not collected, of both specified principal installments and a fixed rate of interest on the unpaid principal balance, with all prepayments being passed through to the holder. In the case of delinquent mortgages in a pool backing modified pass-through securities, the issuer is required to make advances if necessary to maintain the specified schedule of payments to the holders, whether of interest only or of interest and principal, or at its option, at any time 90 days or more after default of any such mortgage, the issuer may repurchase such mortgage. Both straight pass-through and modified pass-through securities must specify the dates by which payments are to be made to the holders thereof, and must indicate the accounting period for collections on the pool's mortgages relating to each such payment, and the securities must also specify a date on which the entire principal to be collected will have been paid or will be payable.

(b) *Issue amount.* Each issue of guaranteed securities must be in a minimum face amount of \$2 million. The total face amount of any issue of securities cannot exceed the aggregate unpaid principal balances of the mortgages in the pool.

(c) *Face amount of securities.* The face amount of any security cannot be less than \$50,000.

(d) *Transferability.* Securities are transferable, but the share of the proceeds collected on account of the pool of mortgages may not be payable to more than one holder with respect to any security.

(e) *Disclosure.* The issuer must disclose both the average and the total costs to the issuer of the mortgages in the pool, whether the issuer acquired the mortgages by origination or purchase.

§ 1665.7 Mortgages.

Each issue of guaranteed securities must be backed by a separate pool of mortgages which:

(a) Are insured under the National Housing Act or title V of the Housing Act of 1949, or insured or guaranteed under the Servicemen's Readjustment Act of 1944 or chapter 37 of title 38, United States Code;

(b) Cover residential property;

(c) Have been insured or guaranteed no longer than 12 months prior to the date on which the Association issues its commitment to guarantee the securities;

(d) Will be replaced by the issuer if found defective by the Association at any time prior to 4 months after the date on which the Association issues its guaranty of the securities; and

(e) Meet such other standards of acceptability as may be prescribed by the Association.

§ 1665.9 Pool administration.

The Association will not guarantee securities if the pool arrangement proposed by the issuer does not satisfactorily provide for:

(a) Servicing of the mortgages in the pool;

(b) Segregation of the cash flow from mortgages in the pool from the other assets of the issuer;

(c) Timely payment of principal and interest, in accordance with the terms of the guaranteed securities;

(d) Notification to the Association of an impending default, on the part of the issuer, in adequate time for the Association to make timely payments on the securities; and

(e) Delivery to a designated custodial agent satisfactory to the Association of the mortgage notes or other evidences of indebtedness secured by the mortgages in the pool and protection of the Association's interest in all assets in the pool as collateral for its guaranty.

§ 1665.11 Excess collateral.

The issuer shall maintain, for the benefit of the Association, excess collateral in assets acceptable to the Association of 3 percent of the amount of guaranteed securities outstanding. In lieu of such excess collateral the Association may accept a bond or other assurance of the faithful performance of the fiduciary responsibilities of the issuer.

§ 1665.13 Guaranty.

With respect to straight pass-through securities, the Association guarantees the timely payment to the security holder of the proceeds of principal and interest, as collected, as undertaken in the Association's guaranty appearing on the face of the security. With respect to modified pass-through securities, the Association guarantees the timely payment, whether or not collected, of the fixed rate of interest on the outstanding principal balance, or the fixed rate of interest on such outstanding balance and the specified principal installments, as undertaken in the Association's guaranty appearing on the face of the security. As to straight pass-through type securities, any failure or inability of the issuer to make payment as due, to the holders of the securities, from the proceeds from the pool of mortgages which have been collected, or because of failure to make collections, under reasonable and accepted standards of mortgage servicing, shall constitute a default of the issuer. As to modified pass-through securities, any failure or inability of the issuer to make fixed or other payments as due shall be deemed such a default. Upon any default by the issuer and payment under its guaranty by the Association, or any failure of the issuer to comply with the terms of the guaranty transaction, the Association may institute a claim against the excess collateral or other assets of the issuer, or against any assurance in lieu of excess collateral, or may, pursuant to section 306(g) of the National Housing Act, extinguish all the ownership, control, or other interest of the issuer in the pooled mortgages, by letter directed to the issuer and making the mortgages the absolute property of the Association, subject only to unsatisfied rights therein of the holders of the securities, or the Association may do both.

§ 1665.15 Fees.

The Association may impose application and guaranty fees, which may vary for straight pass-through and modified pass-through issuances.

§ 1665.17 Audits and reports.

The Association may at any time audit the books and examine the records of any issuer, mortgage servicer, trustee, or agent or other person bearing on its guaranty of mortgage-backed securities, and may require periodic reports from such persons.

§ 1665.19 Applications.

Applications for guaranty should be submitted to the Association's office located at 451 Seventh Street SW., Washington, D.C. 20414.

Effective date. This part shall be effective upon publication in the FEDERAL REGISTER.

GEORGE ROMNEY,
Secretary of Housing and
Urban Development.

[F.R. Doc. 69-13306; Filed, Nov. 6, 1969; 8:49 a.m.]

Title 29—LABOR

Chapter V—Wage and Hour Division,
Department of Labor

PART 683—RETAILING, WHOLESALING,
AND WAREHOUSING INDUSTRY
IN PUERTO RICO

Wage Order

Pursuant to sections 5, 6, and 8 of the Fair Labor Standards Act of 1938 (52 Stat. 1062, 1064, as amended; 29 U.S.C. 205, 206, 208) and Reorganization Plan No. 6 of 1950 (3 CFR 1949-53 Comp., p. 1004), and by means of Administrative Order No. 607 (34 F.R. 9346), the Secretary of Labor appointed and convened Industry Committee No. 87-A for the retailing, wholesaling, and warehousing industry in Puerto Rico, referred to the Committee the question of the minimum wage rate or rates to be paid under section 6(c) of the Act to employees in the industry, and gave notice of a hearing to be held by the Committee.

Subsequent to an investigation and a hearing conducted pursuant to the notice, the Committee has filed with the Administrator of the Wage and Hour and Public Contracts Divisions of the Department of Labor a report containing its findings of fact and recommendation with respect to the matters referred to it.

Accordingly, as authorized and required by section 8 of the Fair Labor Standards Act of 1938, Reorganization Plan No. 6 of 1950, and 29 CFR 511.18, the recommendations of Industry Committee No. 87-A are hereby published, to be effective November 23, 1969, in this order amending § 683.2 of Title 29, Code of Federal Regulations. As revised § 683.2 reads as follows:

§ 683.2 Wage rates.

(b) *Retailing 1961 coverage classification.* (1) The minimum wage for this classification is \$1.60 an hour.

(d) *1966 coverage classification.* (1) The minimum wage for this classification is \$1.15 per hour for the period ending January 31, 1969; \$1.30 per hour for the period beginning February 1, 1969, and ending January 31, 1970; \$1.45 per hour for the period beginning February 1, 1970, and ending January 31, 1971; and \$1.60 per hour thereafter.

(Secs. 5, 6, 8, 52 Stat. 1062, 1064, as amended; 29 U.S.C. 205, 206, 208)

Signed at Washington, D.C. this 3d day of November 1969.

ROBERT D. MORAN,
Administrator, Wage and Hour
and Public Contracts Divisions,
United States Department
of Labor.

[F.R. Doc. 69-13307; Filed, Nov. 6, 1969; 8:49 a.m.]

Title 32—NATIONAL DEFENSE

Chapter I—Office of the Secretary of
Defense

SUBCHAPTER M—MISCELLANEOUS

PART 239—HOMEOWNERS ASSISTANCE PROGRAM—APPLICATION PROCESSING

Appendix A

The following agreement, approved by the Secretary, Department of Housing and Urban Development and Assistant Secretary of Defense (Installations and Logistics) on behalf of the Secretary of Defense, is published as new Appendix A:

APPENDIX A—AGREEMENT, HOMEOWNERS ASSISTANCE PROGRAM AGREEMENT BETWEEN THE DEPARTMENT OF DEFENSE AND THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

ARTICLE I—INTRODUCTION

SECTION 1. Section 1013 of the Demonstration Cities and Metropolitan Development Act of 1966 (Public Law 89-754, enacted Nov. 3, 1966) authorizes the Secretary of Defense to provide assistance to owners of one- or two-family dwellings located at or near military installations, ordered to be closed in whole or in part subsequent to November 1, 1964, when certain determinations have been made with respect to eligibility. In certain instances this assistance may be rendered by acquiring title to the properties of such owners under terms and conditions prescribed by the statute.

Sec. 2. Section 1013(d) of the Act provides a fund for the purpose of this program, which has been established as the Homeowners Assistance Fund, Defense. Section 1013(g) authorizes the Secretary of Defense to enter into agreement with the Secretary of Housing and Urban Development with respect to administration of the program. This agreement is executed on behalf of the Secretary of Defense by the Assistant Secretary of Defense (Installations and Logistics) pursuant to delegation of authority contained in DoD Directive 5100.54, dated December 29, 1967 (33 F.R. 2570) and by the Secretary of Housing and Urban Development.

Sec. 3. For the purposes of this agreement, the following definitions shall apply:

(a) "Act" means section 1013 of the Demonstration Cities and Metropolitan Development Act of 1966, Public Law 89-754, enacted November 3, 1966.

(b) "Secretary of Defense" means the Secretary of Defense or an officer or employee of the Department of Defense empowered to exercise any of the functions of the Secretary of Defense under the Act.

(c) "DOD" means the Department of Defense.

(d) "Secretary, HUD" or "HUD" means the Secretary of Housing and Urban Development or an officer or employee of the Department of Housing and Urban Development empowered to exercise any of the functions of the Secretary of Housing and Urban Development under the Act.

(e) "Corps" means the Office of the Chief of Engineers, Department of the Army.

(f) "Division/District Engineer" means either the Division Engineer of the Corps or the District Engineer of the Corps, as applicable under the circumstances, having military jurisdiction in the area in which the property is located.

(g) "FHA" means the Federal Housing Administration.

(h) "Assistant Commissioner-Comptroller" means the Assistant Commissioner-Comptroller of the Federal Housing Administration.

(i) "FHA Insuring Office" means the local insuring office of FHA having jurisdiction over the area where the property is located.

(j) "Fund" means the Homeowners Assistance Fund, Defense, established pursuant to the authority contained in section 1013(d) of the Act.

(k) "Acquired property" means property acquired pursuant to the Act.

ARTICLE II—POLICY AND OBJECTIVE

SECTION 1. As more fully set forth below, Secretary, HUD will accept custody, subject to funds made available by DOD, of property acquired pursuant to the Act and maintain, manage, and dispose of such properties on behalf of the Secretary of Defense. In the event the Fund no longer has any monies available, the Secretary, HUD may terminate this Agreement and DOD shall in that event assume custody and responsibility for all properties accepted, and mortgage payment liabilities assumed, by HUD pursuant to this agreement. It is the agreed objective that acquired properties will be held, managed and disposed of in such a way as to:

(a) Avoid further depression of local real estate market conditions in areas where the housing market is depressed, and

(b) Consistent with item (a) above and with the desirability of disposing of the properties as rapidly as feasible, seek to obtain the best possible financial return to the Fund. During the period properties are held by FHA, and when it is feasible and in the best interest of the Government, consistent with HUD/FHA policy as to Secretary, HUD-owned property in the areas acquired in the course of FHA mortgage insurance operations, properties will be rented to third parties at rates generally obtainable for comparable properties in the area.

Sec. 2. The Secretary of Defense and the Secretary, HUD will expedite action in all offices and at all levels of their organizations relative to matters that are the subject of this agreement, and each will use all available means to assure that the purposes of the Act are accomplished in accordance with the spirit and intent of the Act.

ARTICLE III—ACQUISITION AND ASSUMPTION OF CUSTODY

SECTION 1. As to properties acquired by the Corps under this Act, acquisition will be accomplished by the Division/District Engineer, who will negotiate with the owner as to terms, will effect the closing, and will pay to the property owner such sums as may be due to him. The Division/District Engineer will obtain a merchantable title to the property which meets the title requirements of the Attorney General of the United States.

Sec. 2. HUD/FHA, on behalf of the Fund, will assume custody of properties acquired as of the date that title in the property vests in the United States, for the purpose of holding, managing, renovating, renting, and disposing of said properties. The District/Division Engineer will file the deed for record promptly upon title vesting in the United States, and on the same date will notify the FHA insuring office of the acquisition, using FHA Form 1174, Notice of Military Acquisition, copy attached hereto and made a part hereof, and will on the same date forward the keys to the property and any other data concerning the property which is requested by FHA to the FHA insuring office. The original and two copies of FHA Form 1174, completely executed, will be forwarded to the FHA insuring office for each property ac-

quired. The FHA insuring office will assign an FHA identification number to the property, insert this identification number on one copy of Form 1174 and promptly return this copy to the Division/District Engineer.

Sec. 3. Properties acquired pursuant to the Act shall be conveyed to, and acquired in the name of, the United States. Title to the properties shall be of sufficient quality and standard as to be readily merchantable in the locality. Encumbrances that do not affect the merchantability of the properties, such as easements for roads and utilities will not be required to be cleared from the title. In the event HUD/FHA determines that there is any encumbrance to title which, under local custom and legal procedures of the situs of the property, would preclude or diminish HUD/FHA's ability to dispose of the property, it is agreed that HUD/FHA may remove the encumbrance and that the costs of such removal will be borne by the Fund. In those instances where a defect in title is discovered, the Fund will be responsible for the cost of curing said defect.

Sec. 4. As a prerequisite to acquisition of the property, the Division/District Engineer will procure adequate title evidence covering the property and will have the title evidence continued through the date and time of recording the deed to the United States. When the opinion of the Attorney General approving the title has been received, the Division/District Engineer will transmit same by FHA Form 1175, Transmittal of Recorded Deed and Title Assembly, copy attached hereto and made a part hereof, together with the recorded deed and other muniments of title, to the FHA Assistant Commissioner-Comptroller at his offices in Washington, D.C.

Sec. 5. Where title to a property is acquired subject to the existing mortgage, the Government will assume and agree to pay said mortgage in accordance with the terms of the mortgage. The mortgage will not be prepaid unless HUD/FHA determines that prepayment is mandatory to enable HUD/FHA to effectively manage and dispose of the property.

Sec. 6. Any mortgage, other than a first mortgage, which is assumed by the Government pursuant to the Act, will be paid off as a part of the closing of the purchase transaction. All mortgage arrears existing with respect to the first mortgage will be brought current at the time of the property acquisition. If HUD/FHA ascertains that mortgage arrears have not been brought current, HUD/FHA is authorized to make the necessary payment to restore the mortgage account to a current condition and the Fund will bear the costs of same.

Sec. 7. Possession of acquired properties will normally be obtained at the time title is vested in the United States and at the time FHA Form 1174 is forwarded to HUD/FHA. Properties will be delivered vacant to FHA, except in the following circumstances:

(a) HUD/FHA will accept custody of a property occupied under a lease which cannot be terminated and has an unexpired portion of less than 1 year provided all payments due under the lease are current, and provided, further, that the lessee will waive any right to exclusive extension of the lease, other than month-to-month occupancy.

(b) Owners or tenants, on a month-to-month basis, of acquired properties may be permitted a 30-day period following acquisition of title in the name of the United States to vacate the property.

(c) Upon agreement with the Director of the FHA insuring office, HUD/FHA will accept custody of properties occupied under leases in excess of a year's duration.

Sec. 8. In cases where properties are acquired subject to existing leases, the leases must be assigned and transferred to the United States. Such leases will be delivered to the FHA insuring office with FHA Form 1174. All costs of eviction incurred by HUD/FHA will be reimbursed by the Fund. Except in cases involving a lease in which the unexpired portion is less than 1 year, no agreement shall be entered into with owners or occupants of properties to be acquired concerning their continued occupancy in the property without prior written approval of the Director of the FHA insuring office and the tenure of any occupancy will be entirely at the option of the FHA insuring office.

Sec. 9. The Government will normally be a self-insurer of acquired properties and hazard insurance will be cancelled by HUD/FHA as soon as possible after passing of title. Any unearned premium will be the property of the former owner who will be responsible for claiming same from the insurer. The Department of Defense understands that the decision as to whether or not hazard insurance must be carried is that of the mortgagee and HUD/FHA must abide by the requirements of the mortgagee. In the event the mortgagee, pursuant to the terms of the mortgage, requires that hazard insurance be carried, HUD/FHA will obtain a hazard insurance policy on the property in an amount sufficient to comply with the mortgage. In the event hazard insurance is obtained, HUD/FHA will pay for such insurance and will be reimbursed from the Fund.

ARTICLE IV—MAINTENANCE, MANAGEMENT AND DISPOSAL

SECTION 1. To the extent not inconsistent with the provisions of this Agreement, HUD/FHA will maintain, manage, renovate, rent, sell, and dispose of the acquired properties in the same manner and under the same procedures as are used by HUD/FHA for properties acquired pursuant to FHA insurance contracts. HUD/FHA will give neither advantage nor disadvantage insofar as sale or other activity is concerned to properties acquired pursuant to this Agreement. HUD/FHA will treat such properties in the same manner as properties acquired pursuant to FHA insurance contracts. HUD/FHA is hereby authorized to repair, renovate, restore, or take any protective maintenance deemed necessary by HUD/FHA insofar as any property covered by this Agreement is concerned. The terms of rental, sale for cash or credit or by assumption of the existing mortgage, or by other means of disposal of any property covered by this Agreement which is contracted for or otherwise entered into by FHA shall be final.

Sec. 2. While any acquired property is under HUD/FHA's custody, payments in lieu of taxes will be made by the FHA Assistant Commissioner-Comptroller to local taxing authorities in amounts equivalent to the taxes which would be payable were the properties in private hands, except when the Government is making expenditures for streets, utilities or other public services. In such cases, the Division/District Engineer will advise the FHA Assistant Commissioner-Comptroller of such expenditures and specify what allowances are to be deducted. It shall be the responsibility of the Division/District Engineer to advise the FHA Assistant Commissioner-Comptroller in such cases sufficiently prior to the time that the Assistant Commissioner-Comptroller makes payment of any tax bill received by FHA on acquired properties. In the event that such notice is not received from the Division/District Engineer by such time, the Assistant Commissioner-Comptroller may pay the amount of the net tax bill without penalties.

¹ Filed as part of original.

¹ Filed as part of original.

Sec. 3. This agreement contemplates that disposal of the properties will be accomplished by the financing arrangements available to HUD/FHA and beneficial to DOD. The following financial arrangements will generally be used and FHA will be guided by the same considerations that govern FHA sales of its properties:

1. Sale of the property for cash or through the use of a conventional uninsured mortgage.

2. Sale of the property providing for assumption of the existing mortgage indebtedness by the buyer or sale of the property subject to the existing mortgage indebtedness.

3. Sale of the property by use of FHA's insured private financing program or FHA's instant FNMA closing program if available.

4. Sale of the property by use of a purchase money mortgage taken by the Secretary, Department of Housing and Urban Development. In those cases where an existing mortgage is assumed and the assumptor subsequently defaults, the Fund will be responsible for all costs, expenses or losses sustained by HUD/FHA in satisfying the Government's liability on the mortgage. In the event it is advantageous to the Government to sell by assumption and the sales price is less than the outstanding mortgage balance, the Fund shall be responsible for the money which is required to reduce the outstanding principal balance of the mortgage. When, in order to facilitate the sale of acquired properties, FHA insures the mortgage, the Fund will be responsible for all expenses incurred by FHA on the first sale, including losses in connection therewith, as computed by the FHA Assistant Commissioner-Comptroller.

ARTICLE V—FINANCING, ACCOUNTING, AND REPORTING

SECTION 1. The Corps will furnish to HUD/FHA by June 1 of each year an estimate of the number of housing units expected to be acquired and transferred to HUD/FHA during the succeeding fiscal year and those during the following budget year. The estimates will show the number of housing units, FHA insuring office jurisdiction, estimated average monthly principal and interest payments and expected quarterly phasing of transfer to FHA.

On August 1 of each year HUD/FHA will submit a budget estimate to the Corps setting forth the estimated financial requirements for the activities that FHA is to perform for the Secretary of Defense pursuant to the terms of this agreement covering the then current fiscal year and the following budget year. The estimate, in terms of obligations/expenditures, should be by FHA insuring office jurisdiction and in the same cost categories as maintained in the automated tape record as set forth in Article V, section 2, for each acquired property and as included in the monthly reimbursement request set forth in Article V, section 3, for all other expenses. On May 1 of each year FHA will furnish to the Corps in the same format as the August 1 statement an updated estimate of obligations/expenditures then estimated to be incurred in the succeeding fiscal year.

Based on the estimated financial requirements, in consonance with budgetary and appropriation actions, the Corps will issue to FHA on July 1 of each year a reimbursable order including an obligation/expenditure limitation as to the amount which the FHA may, on a net basis, obligate/expend in anticipation of reimbursement from the Fund for that fiscal year. FHA will promptly advise the Corps whenever it determines that the performance of its responsibility under

this Agreement requires any adjustment, together with an estimate and explanation of the changes needed so as to permit the continued effective operation of the program as contemplated under this agreement. The Corps of Engineers will arrange to provide for the necessary adjustment within its authority. Where this is infeasible the Corps of Engineers will submit the requirement promptly to the Secretary of Defense. The Secretary of Defense will either provide the additional resources required or will directly advise FHA as to the course of action necessary to be taken pending the availability of additional resources.

Sec. 2. The FHA will maintain in its automated tape records an account for each acquired property. The account will separately identify each of the following:

(a) The FHA identification number, which will be assigned by the FHA insuring office. The Corps will be advised of the FHA identification number on the copy of the FHA Form 1174 returned to the Corps per Article III, section 2.

(b) Property address, entered by the Corps on the FHA Form 1174 within the space allotted in ADP records.

(c) Outstanding mortgage balance at acquisition.

(d) Property acquired. Contra to (c) above, this will be established in the same amount and will offset the outstanding mortgage balance. In the event a property is sold with the purchaser assuming the mortgage or with FHA taking a purchase money mortgage the outstanding balance assumed by the purchaser or the amount of the purchase money mortgage accepted will be recorded as a reduction of the amount originally established.

(e) Principal payments including prepayments of the entire balance when necessary by FHA on the mortgage.

(f) Interest payments by FHA on the mortgage.

(g) Payments in lieu of taxes and insurance payments by FHA. The Corps will notify FHA on the FHA Form 1174 of Escrow Accounts retained by the mortgagee.

(h) Maintenance and operating expenses paid by FHA including any special payments for evictions and removal of title impediments. Direct expense transactions of \$100 or more will be a direct charge to the affected property account. All other expenses, generally derived from net settlements with brokers, made pursuant to FHA 2570 Accounting Manual for Acquired Properties, as may be amended from time to time, will be prorated monthly to all home properties in FHA's inventory, including those acquired pursuant to this agreement. Net settlement means expenses paid by brokers less rental collections.

(i) Sales expenses paid by FHA which will be for sales, closing costs, and discount on notes.

(j) Net FHA incurred expense, which will be the net total of amounts recorded in items (e) through (j) of this section.

(k) Gross Sales Price agreed to by FHA. This is not the same as cash proceeds which will be reported separately by FHA.

(l) Net Expense or Collection on Sold Properties, which will be the gross sales price less adjustments to item (d) of this section less item (j) of this section.

(m) A Corps' furnished base identification and homeowner classification code consisting of 7 digits (2 digits for State code and 4 digits for installation number plus the number "2" for civilian or the number "1" for military homeowner).

Sec. 3. FHA will furnish to the Corps the following reports:

(a) Monthly, no later than 30 working days after the end of each calendar month the FHA Form 1131, "Acquired Home Property, Maintenance Phase Trial Balance," showing separate totals to date for items (c) through (l) of Article V, section 2, for each FHA identification number.

(b) Monthly, no later than 30 working days after the end of each calendar month a statement supporting an SF 1080 billing setting forth the following:

(1) Net change in FHA expenses for acquired properties as reported on the current and prior month, Article V, section 3, item (a) reports, separately for "on hand" and for "sold" properties.

(2) Sales proceeds, which will be detailed by the gross sales price agreed to by FHA less amount of mortgages assumed by buyers less purchase money mortgages accepted by FHA.

(3) Principal and interest collections separately on purchase money mortgages.

(4) FHA insuring office expenses directly related to this agreement, developed on basis of reports received in accordance with FHA Manual, Field Expense and Performance Handbook, as may be amended from time to time. This item will be supported by a schedule showing total expenses incurred by each FHA insuring office.

(5) FHA Headquarters expenses directly related to this agreement developed on basis of reports received in accordance with FHA Manual, Departmental Expenses and Performance Handbook, as may be amended from time to time.

(6) HUD departmental level expenses directly related to this program which will include Automatic Data Processing (ADP) services, printing and some other minor expenses, which in the judgment of FHA are appropriately chargeable under this Agreement. ADP services will include the cost of magnetic tapes furnished the Corps under Article V, section 3, item (c) and Article V, section 4, and personal service costs.

Personal service costs included in items (4), (5), and (6) will be limited to those directly related to this program on the basis of time worked and will consist of salary cost plus FICA and the Government contribution for health benefits, life insurance, and retirement funds. An additional 15.9 percent of this total will be added to cover the cost of earned annual leave, sick leave taken, and holiday leave.

(7) Amount due FHA from the Fund or amount due the Fund from FHA.

(c) Quarterly, not later than 30 working days after the end of each calendar quarter a duplicate of the FHA automated tape record for all acquired properties.

Sec. 4. Whenever FHA determines that they do not plan to offer properties for sale within 12 months after acquisition, the FHA will so advise the Secretary of Defense, with the expected prospects for such disposition. The Secretary of Defense will consult with the FHA on alternative means of disposal in such cases where such alternatives are considered feasible.

Sec. 5. FHA will not drop closed cases for properties acquired pursuant to the Act from the automated tape records except by special agreement with the Corps, at which time a duplicate of FHA's automated tape record of such cases will be furnished to the Corps.

Sec. 6. It is agreed and understood that, in performing the accounting and reporting operations set out herein, FHA will accomplish the objectives using its existing automated data processing routines and programs, and that no special programming or detailed printouts will be required from FHA.

Sec. 7. The Corps, within 6 working days after receipt of a monthly statement indicating an amount due FHA, will reimburse FHA by check for the amount shown on the statement. The check will be made payable to the Federal Housing Administration and will be forwarded to the FHA Assistant Commissioner-Comptroller.

Sec. 8. In those instances where the statement indicates an amount due the Fund, a check payable to the Homeowners Assistance Fund, Defense, for such amount will accompany the monthly statement submitted to the Corps by FHA.

Sec. 9. The following FHA issuances and changes thereto will be furnished to the Corps:

(a) FHA 2750, Accounting Manual for Acquired Properties;

(b) FHA Manual, Field Expense and Performance Handbook;

(c) FHA Manual, Departmental Expense and Performance Handbook.

Sec. 10. FHA will maintain a separate document file for each acquired property. The file will contain at least the FHA Form 1174 and FHA Form 1175 and attachments thereto.

ARTICLE VI—FINALITY OF ACTION

SECTION 1. This agreement embodies the full understanding of the Department of Defense and the Department of Housing and Urban Development concerning their responsibilities and it is understood that all decisions made and all actions taken by HUD/FHA within the terms of this agreement with respect to all aspects of clearing impediments of title, prepayment of mortgages, eviction of occupants, prepayment of hazard insurance coverage premiums, and all other matters relating to the maintenance, management, renovation, rental, sale, or other disposal of properties and the selection and use of brokers shall be final and conclusive as fully as if made or taken by the Secretary of Defense.

ARTICLE VII—DELEGATION OF AUTHORITY

SECTION 1. The Secretary of Housing and Urban Development is hereby authorized, with respect to acquired properties, to acquire title to, hold, manage, sell for cash or credit by taking a purchase money mortgage in the name of the Secretary of Housing and Urban Development, and, in connection therewith, to execute deeds of conveyance and all other instruments necessary to fulfill the purposes of section 1013 of the Demonstration Cities and Metropolitan Development Act of 1966 (Public Law 89-754, enacted Nov. 3, 1966), to issue rules and regulations and to make any or all determinations and to take any or all further actions in connection with acquired properties which the Secretary of Defense is authorized to undertake pursuant to the provisions of the Act. The Secretary of Housing and Urban Development is further authorized to redelegate any of the functions, powers and duties delegated herein to officers and employees of HUD and to authorize successive redelegations.

Approved: June 18, 1968.

THOMAS D. MORRIS,
Assistant Secretary of Defense (Installations and Logistics), Department of Defense.

ROBERT C. WEAVER,
Secretary, Department of Housing and Urban Development.

MAURICE W. ROCHE,
Director, Correspondence and Directives Division, OASD (Administration).

[F.R. Doc. 69-13127; Filed, Nov. 6, 1969; 8:49 a.m.]

Title 33—NAVIGATION AND NAVIGABLE WATERS

Chapter I—Coast Guard, Department of Transportation

SUBCHAPTER A—GENERAL

[CGFR 69-80]

PART 8—REGULATIONS, UNITED STATES COAST GUARD RESERVE

Miscellaneous Amendments

The purpose of this document is to delete certain obsolete regulations in 33 CFR Part 8 applicable to members of the U.S. Coast Guard Reserve and to show the assignment of functions to the U.S. Coast Guard in the Department of Transportation, including deletions of references to Secretary of the Treasury and the Treasury Department from the existing regulations and substitution of the Secretary of Transportation and the Department of Transportation therefor.

The amendments to 33 CFR Part 8 prescribed herein are considered to be revisions to delete various provisions which are now obsolete or of an editorial nature and it is hereby found that compliance with the Administrative Procedure Act (5 U.S.C. 551-559) (respecting notice of proposed rule making, public rule-making procedure thereon, and effective date requirements thereof) is unnecessary to such changes.

By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of title 14, United States Code, and the delegation of authority in 49 CFR 1.4 (a)(2), (f), and (g) to promulgate regulations in accordance with the laws cited with the regulations below, the following amendments are prescribed:

1. The authority citation following the table of sections of Part 8 is revised to read as follows:

AUTHORITY: The provisions of this Part 8 issued under sec. 4, 62 Stat. 605, as amended; sec. 633, 63 Stat. 545; sec. 280, 70A Stat. 14; sec. 6(b)(1), 80 Stat. 938; 50 U.S.C. app. 454; 14 U.S.C. 633; 10 U.S.C. 280; 49 U.S.C. 1655 (b)(1); 49 U.S.C. 1.4 (a)(2), (f), (g).

GENERAL—ADMINISTRATION AND ORGANIZATION

DEFINITIONS AND APPLICABILITY OF REGULATIONS

§ 8.1001 [Amended]

2. Section 8.1001 is amended by changing the words "Treasury Department" in lines 5 and 6 of paragraph (a) and in line 4 of paragraph (b) to read "Department of Transportation".

3. Section 8.1002 is revised to read as follows:

§ 8.1002 Meaning of terms "Secretary of Transportation" and "Secretary".

As used in this part, the terms "Secretary of Transportation" and "Secretary" mean the Secretary of Transportation when the Coast Guard is operating as a service in the Department of Transportation and the Secretary of the Navy when the Coast Guard is operating as a service in the Navy.

4. Section 8.1003 is revised to read as follows:

§ 8.1003 Definitions.

(a) "Active service" means service on active duty.

(b) "Active duty" means full-time duty in the active military service of the United States. It includes duty on the active list, full-time training duty, annual training duty, and attendance while in the active military service, at a school designated as a service school by law or by the Secretary.

(c) "Federal service" includes all service as a member of any Armed Force, including Regular and Reserve components, and the Army National Guard or Air National Guard when ordered into such status by law.

(d) "Active status" means membership in the Reserve, except the Standby Reserve (Inactive Status List) or the Retired Reserve.

(e) "Chief, Office of Reserve" is the officer of flag rank designated by the Secretary as directly responsible to the Commandant for Coast Guard Reserve affairs.

(f) "District Commander(r)" is the officer on the staff of a District Commander who is in charge of district Reserve affairs as Chief, Reserve Division.

§ 8.1004 [Deleted]

5. Section 8.1004 is deleted.

§ 8.1105 [Amended]

6. The word "rating" in line 2 of § 8.1105 is corrected to the plural "ratings".

§ 8.1202 [Amended]

7. Section 8.1202(b) is amended by substituting the words "the Commandant" for "Headquarters" and "District Commander" for "district commander" therein.

§ 8.1203 [Amended]

8. Section 8.1203 is amended by substituting the words "the Commandant" for "Headquarters" in the first sentence.

§ 8.1204 [Amended]

9. Section 8.1204 is amended by changing "Coast Guard Headquarters" to read "the Chief, Office of Reserve" in the heading; remove the word "Headquarters" in line 1 of paragraph (a) and insert the words: "Under the supervision and direction of the Commandant, the flag officer serving as the Chief, Office of Reserve"; and in line 6 of paragraph (a) remove the word "Headquarters" and insert the words "the Chief, Office of Reserve".

§ 8.1504 [Amended]

10. Section 8.1504 (a) and (b) is amended by changing the word "Headquarters" in both paragraphs to read "the Commandant".

§ 8.1507 [Deleted]

11. Section 8.1507 is deleted.

§ 8.1508 [Amended]

12. Section 8.1508 (a) and (b) is amended by changing the word "Headquarters" in both paragraphs to read "the Commandant".

§ 8.1604 [Deleted]

13. Section 8.1604 is deleted.

AVIATION

§ 8.1612 [Amended]

14. Section 8.1612 is amended by changing "reservists" to read "Reservists" in the first line thereof.

§ 8.1612c [Amended]

15. Section 8.1612c is amended by changing "reservist" to read "Reservist" in line 4 thereof.

§ 8.1613 [Amended]

16. In § 8.1613, paragraph (a) is amended by changing the word "Headquarters" in line 14 to read "the Commandant".

PROCUREMENT

GENERAL REQUIREMENTS

§ 8.2103 [Amended]

17. Section 8.2103(b) is amended by changing the word "Headquarters" to read "the Commandant" at the beginning of the second sentence and by changing the word "indorsement" to read "endorsement" in the last line; paragraph (d) (2) is amended by removing the words "on Form 2525-B" in line 3 and changing the word "Headquarters" to read "the Commandant (PTP)" in the last line; paragraph (g) (1) is amended by changing the word "Reserves" to "Reserve" in line 4; and paragraph (h) is amended by changing the word "Headquarters" to read "the Commandant" in line 1.

§ 8.2105 [Amended]

18. Section 8.2105(b) is amended by changing the word "Headquarters" to read "the Commandant" in lines 3 and 4; and paragraph (b) (3) is amended by changing the word "Headquarters" to read "the Commandant" in line 4.

SPECIAL ENLISTMENT PROGRAMS

§ 8.2403 [Amended]

19. Section 8.2403(b) is amended by changing the words "Secretary of the Treasury" in lines 3 and 4 to read "Secretary of Transportation".

PROMOTION

PROMOTION OF "COMMISSIONED" OFFICERS

§ 8.3103 [Amended]

20. Section 8.3103 is amended by changing the words "6 or more" to read "not less than 5" in line 2.

§ 8.3108 [Amended]

21. Section 8.3108 is amended by changing the words "district commander" to read "District Commander" in lines 2, 6, and 10 of paragraph (b).

§ 8.3113 [Amended]

22. Section 8.3113 is amended by changing the words "of this subpart" to read "in this part" in line 1.

TRANSFERS

TRANSFERS BETWEEN SHIPS AND STATIONS

§ 8.4202 [Amended]

23. Section 8.4202 is amended by changing the word "Headquarters" to read "the Commandant" in the last line.

INSTRUCTION AND TRAINING

INSTRUCTION AND TRAINING POLICY AND ASSIGNMENT OF INSTRUCTORS FOR COAST GUARD RESERVE

§ 8.5102 [Amended]

24. Section 8.5102 is amended by amending the heading to read "Responsibility for Instruction and Training" and by changing the word "Headquarters" in line 1 of paragraph (a) to read "The Commandant" and changing the word "Headquarters" in line 3 of § 8.5102 (b) and line 4 of § 8.5102(c) to read "the Commandant".

COMMANDING OFFICERS OF VESSELS AND UNITS TO WHICH RESERVISTS REPORT FOR TRAINING DUTY: RESERVE INSTRUCTORS

§ 8.5401 [Amended]

25. Section 8.5401 is amended by amending paragraph (a) by changing the word "Reservist" in line (5) to read "Reservists".

§ 8.5402 [Amended]

26. Section 8.5402(a) is amended by changing the word "Headquarters" in lines (4) and (11) to read "the Commandant".

INSTRUCTIONS AND TRAINING OF RESERVE

§ 8.5502 [Amended]

27. Section 8.5502(a), (b), and (c) are amended by changing the word "Headquarters" to the words "the Commandant".

DISCIPLINE, DISCHARGES, RESIGNATIONS AND RETIREMENTS

DISCHARGES

§ 8.6201 [Amended]

28. Section 8.6201 is amended by deleting the words "of the Treasury" in paragraph (a).

§ 8.6205 [Amended]

29. Section 8.6205 is amended by deleting the words "of the Treasury" in paragraph (c) (1).

Effective date. This revision shall become effective on the date of its publication in the FEDERAL REGISTER.

Dated: November 3, 1969.

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

[F.R. Doc. 69-13261; Filed, Nov. 6, 1969;
8:45 a.m.]

Title 46—SHIPPING

Chapter II—Maritime Administration,
Department of Commerce

SUBCHAPTER C—REGULATIONS AFFECTING
SUBSIDIZED VESSELS AND OPERATORS

[General Order 20, Amdt. 6]

PART 272—POLICY AND PROCEDURE
REGARDING CONDUCTING OF
SUBSIDY CONDITION SURVEYS AND
ACCOMPLISHMENT OF SUBSIDIZED
VESSEL MAINTENANCE AND
REPAIRS

Modifications, Alterations, Additions
and Betterments

Effective upon the date of publication in the FEDERAL REGISTER, Part 272 is hereby amended by revising § 272.9 to read as follows:

§ 272.9 Modifications, alterations, additions and betterments.

(a) Any modification, alteration, addition, or betterment (work of such nature being herein called "improvements") effected during any one or a series of repair periods, whether or not in conjunction with other repairs, the aggregate cost of which does not exceed \$100,000, if otherwise eligible, shall be considered for operating-differential subsidy participation, provided that the vessel is not permanently withdrawn from the subsidy contract (except under circumstances beyond the control of the operator) within a period of 3 years after completion of the work.

(b) Any improvement effected during any one or series of repair periods involving an aggregate cost in excess of \$100,000 shall ordinarily be considered capital expenditures; however, subject to findings in each instance that the work involved constitutes reconditioning or reconstruction, expenditures of this nature in excess of \$100,000 will be given consideration for construction-differential subsidy, if application is made to the Assistant Administrator for Maritime Aids for such subsidy under the provisions of Title V, Merchant Marine Act, 1936, as amended, and the Maritime Subsidy Board grants such subsidy prior to the award of such work.

(c) When the operator desires to spread the work incident to any improvement over more than one repair period, he shall notify the Chief, Division of Ship Repair and Maintenance in writing, as to the scope of work involved, expected benefits, number of voyages over which the work will be spread and the estimated total cost, and shall report the actual total cost of such work in the Repair Summary, covering the repair period in which it is finally completed, and shall attach a copy of the acknowledgement of the above mentioned notification to the appropriate Summary (Form MA-140).

(d) The provisions of this section shall not be applicable to improvements required to alter, outfit, or otherwise equip a vessel for its intended subsidized service which in the opinion of the Administration should have been effected prior to the initial entry of the vessel into subsidized service. Such improvements shall not be subsidizable, except in accordance with section 501(c), Merchant Marine Act, 1936, as amended.

(e) The procurement cost of furniture, furnishings, fixtures or any other item in the category of expendable or portable equipment utilized in connection with alterations or additions to a vessel is not eligible for subsidy participation at the maintenance and repair rate.

(f) Any contract or work order involving an improvement, the aggregate cost of which is in excess of \$10,000, shall be supported in its respective repair summary with an explanation by the operator as to the reason for or purpose of, such improvements, and anticipated benefits.

Dated: November 4, 1969.

By order of the Acting Maritime Administrator.

JOHN M. O'CONNELL,
Assistant Secretary.

[F.R. Doc. 69-13323; Filed, Nov. 6, 1969;
8:49 a.m.]

Title 47—TELECOMMUNICATION

Chapter I—Federal Communications Commission

[Docket No. 18453; FCC 69-1209]

PART 73—RADIO BROADCAST SERVICES

VHF Television Broadcast Channel; Mount Vernon, Ill.

Report and order. In the matter of amendment of § 73.606(b) of the Commission's rules and regulations to add a VHF television broadcast channel to Mount Vernon, Ill.; Docket No. 18453, RM-1372.

1. Based on a petition of Soilcom, Inc., the Commission, on February 14, 1969, issued a notice of proposed rule making requesting comments on a proposal to assign VHF television Channel 13 to Mount Vernon, Ill., FCC 69-147, 34 F.R. 2359. Following numerous extensions, all comments were filed by June 17, 1969. Mount Vernon has no present TV assignment, nor is there any commercial assignment or station within about 50 miles.¹

2. The comments filed in the proceeding were lengthy and set forth different

¹ The closest commercial station is WSIL-TV, Harrisburg (VHF), some 50 miles south of Mount Vernon. VHF educational station WSIU, Carbondale, is some 25 miles from the city. The location actually proposed for Channel 13 use, some 30 miles north of Mount Vernon near Salem, is more than 70 miles from any commercial station or assignment, and about 45 miles from WSIU.

conclusions concerning UHF impact and available existing service to the area proposed to be served under the Soilcom proposal. Soilcom specified a tower height of approximately 990 feet in its petition for rule making. In the supplementary engineering statement submitted with its reply comments, overlap was computed based on a tower height of 800 feet, as well as assuming the earlier height.

3. The chief and fundamental question facing the Commission is whether this VHF assignment—which admittedly would provide a first Grade B signal to substantial "white area", a first Grade A signal to a larger area, and a first local television service to Mount Vernon—can be made consistently with the Commission's policy of fostering UHF development.

4. Eleven parties besides the petitioner (whose initial comments simply incorporated its petition by reference) filed initial comments in the proceeding, two of them joining in an opposition. Three parties—Association of Maximum Service Telecasters, Inc. (AMST), Mid-American Television Co. (KRCG-TV, Channel 13, Jefferson City, Mo.) and RKO General, Inc. (WHBQ-TV, Channel 13, Memphis, Tenn.)—did not oppose the proposed assignment as such but expressed views relating to the extremely close separation between Channel 13 at Mount Vernon as proposed by Soilcom and three cochannel stations (at Jefferson City, Bowling Green (Ky.), and Indianapolis (Ind.)) and a possible offset problem with a fourth at Memphis some 250 miles away (WHBQ-TV).² Because of the 250-mile distance between the proposed site and WHBQ-TV, WHBQ-TV requests that any construction permit be made on condition that "very precise" frequency control equipment be specified; and WHBQ-TV states that it will also install such equipment to eliminate as much interference as possible. KRCG-TV requests also that because of the limited area in which the assignment can be made consistent with our rules, any construction permit that is issued be in full compliance with all the Commission's rules. MST simply requests that any construction permit be in compliance with all the Commission's rules. The State of Illinois and the Salem Airport Authority filed comments not opposing the assignment of Channel 13 as such but objecting to the proposed site (about the only location where the station could be located and meet mileage separations) on air hazard grounds, since it would be some 6 miles due north of the Salem airport. These objections were based on the original 990-foot proposal. The two reply comments filed other than those of petitioner (submitted by Mid-America and by the parties filing jointly mentioned below) relate to this matter, alleging

² It appears that in order to meet the minimum 170-mile separation to the three stations mentioned (§ 73.610(b) of the rules), the proposed station would have to be located in a very small area, a triangle with sides of between 1 and 2 miles.

that either there will be an air hazard problem or the Commission will be under pressure to waive the mileage separation rules.

5. The other six commenting parties oppose the Channel 13 assignment largely because of asserted impact on UHF, in the Springfield-Decatur area of Central Illinois and the St. Louis area. Evans Broadcasting Co., permittee of Channel 30 (KDNL-TV), St. Louis, Mo., and Continental Summit Television Corp., permittee of Channel 24 (KGSL-TV), St. Louis, Mo., filed comments stating that the Soilcom engineering studies concerning UHF-VHF overlap were based on their prior facilities, and that both now have substantially greater authorized coverage. Thus, they claim that they overlap areas as computed by Soilcom and referred to in the notice herein are substantially understated, and they conclude that the assignment of Channel 13 to Mount Vernon would have a substantial impact on the operation of these St. Louis UHF stations. KGSL-TV further contends that the Mount Vernon area is not underserved as alleged by Soilcom, and that the area generally is not depressed economically, even though the immediate Mount Vernon area may be somewhat so. KGSL-TV further suggests that the Mount Vernon area should examine the possibility of securing a low-power community station in the Channel 70-83 range. The main thrust of the comments of KDNL-TV and KGSL-TV is that the proposed assignment would have an adverse effect on UHF development in a UHF area.

6. WAND (Channel 17), Decatur, Ill., filed comments in which it is stated that the assignment would affect WAND because it would put a second VHF station into this UHF area. WAND states that it would not oppose the issuance of a construction permit if the operation would be directionalized away from the semi-UHF enclave in Illinois, or the authorization of a low-power community station to the Mount Vernon area. The All-Channel Television Society (ACTS) contends that the assignment would have an adverse effect on UHF in the area and be contrary to the all-channel law and policies, especially in view of the increased coverage of KDNL-TV, St. Louis.

7. The most detailed comments were filed jointly by Plains Television Corp. (licensee of WICS, Channel 20, Springfield, Ill., and WICD, Channel 15, Champaign, Ill.) and Turner-Farrar Association (licensee of WSIL-TV, Channel 3, Harrisburg, Ill.). The joint comments rest on three premises: (1) Assignment of Channel 13 to Mount Vernon would have a significant adverse effect on UHF stations in the area; (2) the Mount Vernon area does not have a sufficient economic base to support a television station; and (3) there is ample television service to the area.

8. The reply comments of Soilcom, Inc., include amended engineering data, additional economic data and an affidavit from an airspace consultant. Also submitted is a lengthy petition, requesting

the assignment of Channel 13 to the area, from residents in the proposed service area. The amended engineering data is based on a tower height of 800 feet, rather than the 990 feet altitude specified in the petition for rule making. Soillcom therefore presents new overlap figures which it contends reduces the impact on UHF operations. The UHF impact and air hazard matters are discussed below. Soillcom also reiterates its contentions that the area is inimical to a successful UHF operation in Mount Vernon and again contends that the assignment of VHF Channel 13 is the only feasible assignment to the area because of the low ratio of all-channel receivers to total receivers. It is stated that petitioner will file an application for a construction permit for Channel 13 if the channel is assigned to Mount Vernon, as proposed.

9. *Impact on UHF.* As pointed out in the notice herein (pars. 8-9), neither Mount Vernon itself nor the proposed transmitter site is within the Grade B contour of any UHF station; the closest such stations are at St. Louis, some 70 miles away. However, within slightly more than 100 miles there are seven operating commercial UHF stations (at St. Louis (Mo.) and Springfield, Champaign, Decatur, and Jacksonville (Ill.) and Evansville (Ind.)). There are also three commercial UHF stations authorized but not yet operational (at St. Louis, Owensboro, and Paducah), an application for Channel 66 at Terre Haute, Ind., unused commercial assignments in some of these places and at Danville (Ill.), Cape Girardeau (Mo.), and Urbana (Ill.), and educational UHF stations operating at Olney, Ill., and Vincennes, Ind. The parties opposing the assignment, particularly the two joining in the lengthy comments mentioned in paragraph 7 above, vigorously urge that the Channel 13 assignment should not be made, because of the adverse impact which an additional VHF signal in this area would, assertedly, have on these stations and assignments, as well as on the cause of UHF generally.

10. *Channel 13 overlap with UHF.* The parties discuss at length the extent of overlap between the coverage contours of the proposed Channel 13 station and the various UHF stations. It appears that, under either the original 990-foot or revised 800-foot proposal, there would be Grade B overlap between Mount Vernon and the four operating Illinois stations mentioned, and with the two St. Louis and two Evansville stations. There would be overlap of the Channel 13 Grade A contour with the Grade A contours of the two St. Louis stations only (under either proposal). Data is submitted as to the overlap area and population in the case of the two St. Louis stations and the operating Springfield and Champaign stations (WICS and WICD; since WICD is commonly owned with and operated as an auxiliary outlet for WICS, it is ap-

propriate to consider these stations together, as Soillcom does in its reply). It appears that as to KDNL-TV (operating), the B-to-B overlap area would include 3,510 square miles and 481,620 persons if Channel 13 were operated with a 990-foot tower or 3,210 square miles and 220,106 persons if an 800-foot tower were used; the A-to-A overlap area would include 540 square miles and 26,240 persons or 365 square miles and 21,840 persons on the same assumptions. The Grade B overlap would represent 31.5 percent or 28 percent of the KDNL-TV Grade B coverage area and 20.3 percent or 9.3 percent of the population therein, which is more than 2,370,000 persons. The Grade A overlap would be 540 square miles and 26,420 persons or 365 square miles and 21,840 persons, which is 9.2 or 6.2 percent of the area and 1.2 or 1.0 percent of the population within the KDNL-TV Grade A contour. The amounts of area and population are slightly less in the case of KGSL, although the Grade B area percentage would be slightly higher (32.1 percent). The two St. Louis stations also showed the overlap between the principal-city contour of Channel 13 (with a 990-foot antenna) and their coverage contours: 1,120 square miles and 47,330 persons within the KDNL-TV Grade B contour, and 870 square miles and 29,780 persons within the KGSL Grade B contour (57 square miles and 1,720 persons within the KGSL Grade A contour). There would be no overlap of principal-city contours. KGSL also gives the distance of overlap involved (assuming 990 feet for Channel 13): 47 miles Grade B, 12.5 miles Grade A, and 4 and 19.5 miles Channel 13 principal-city contour to KGSL Grade A and Grade B respectively.

11. As to WICS-WICD, Springfield and Champaign, the Grade B overlap would be 2,720 or 2,040 square miles and 132,162 or 86,616 persons, or 14.8 or 11.1 percent of the area and 10.6 or 7.0 percent of the population within these stations' combined Grade B area. With a 990-foot tower, the Channel 13 Grade B contour would penetrate to some 49 miles within the Grade B contour of WICS and 16 miles of that of WICD; the distance would be less with an 800-foot tower. As to the Jacksonville and Decatur stations, the only specific information is that in Soillcom's petition, based on a 990-foot tower: Grade B overlap of 1,268 square miles and 95,280 persons with Jacksonville and 1,224 square miles and 80,116 persons with Decatur, or 7.8 and 15.1 percent of their respective Grade B areas and 11.3 and 12.1 percent of the population therein. The distances of penetration (not specifically mentioned in the record) would be less than in the case of WICS; it appears that the Grade B contour would come within about 12 miles of Decatur with a 990-foot tower and 24 miles with 800 feet. The overlap with the Evansville stations would be

much less;⁸ there would be none with the Paducah UHF station.

12. Soillcom makes two general lines of argument to depreciate the extent of this potential impact: (1) All but a very small portion of the areas of overlap which it would have with those stations already receives one or more VHF signals, so that it would not be intruding into "UHF-only" areas; (2) in terms of a technically comparable or superior signal, the "overlap" population of the St. Louis stations is much smaller than the above figures would indicate, since the bulk of the "overlap" population is within the Grade A contours of the UHF stations and only within the Grade B contour of Channel 13. In support of the first contention, it is pointed out that all of the Grade B coverage areas of the St. Louis stations receive Grade B signals from St. Louis VHF stations (three network, a commercial independent and an educational station).⁹ It is shown that in the case of WICS-WICD, Channel 13 would provide a Grade B signal to only 257 or 222 square miles, containing 8,493 or 7,068 persons, which now receives no VHF signals (the remainder receives signals from VHF stations at Champaign, Terre Haute, or St. Louis). This, in either event, is less than 0.75 percent of the population covered by these stations. With respect to the Decatur and Jacksonville stations and assuming a 990-foot tower, a first Grade B VHF signal would be provided to 20 square miles and 687 persons, and 170 square miles and 6,626 persons, respectively (0.1 and 0.79 percent of population).⁸

13. In the second connection, it is pointed out that more than 75 percent of the populations within the Grade B overlap areas of the two St. Louis stations, or nearly 340,000 in one case and 320,000 in the other, receives a Grade A

⁸ The St. Louis stations and Soillcom also made showings as to overlap between the proposed Grade B (990 feet) and UHF Grade A contours, and vice versa. The situation as to the St. Louis stations is indicated in the next paragraph. In the case of WICS (based on its former lower power), the proposed Grade B to UHF Grade A overlap area would be 520 square miles and 29,600 people, with penetration to a distance of 13 miles; it would be less with Decatur and Jacksonville and there would be none with Evansville stations or Champaign. The Channel 13 Grade A overlap with UHF Grade B areas would be slightly smaller (360 square miles, 15,110 persons and 9-mile penetration for Springfield).

⁹ From Soillcom's maps it does not appear that this is true of Grade A signals as to KDNL-TV, Channel 30, though it is as to KGSL, Channel 24. The KDNL-TV Grade A contour extends beyond that of the St. Louis VHF stations in some directions, including some areas within the proposed Channel 13 Grade A contour.

⁸ As to the Evansville and Paducah UHF stations, their Grade A and Grade B contours in the pertinent directions lie entirely within those of VHF stations assigned to the same city.

signal from them and would receive only a Grade B signal from Channel 13. In the case of KDNL-TV, 8 percent of the "overlap" population would receive a Grade B signal from both stations, 5 percent would receive Grade A signals from both, and 9 percent (41,420) would receive a Grade A signal from Channel 13 and only a Grade B from KDNL-TV. For KGSL, the corresponding percentages are 11, 5 and 8 percent.

14. Need for a VHF assignment at Mount Vernon. Soillcom in its petition and reply comments urges the great need for the VHF station: (1) To provide additional service in the underserved area of Southern Illinois;* (2) to provide an additional TV outlet to this Southern Illinois area, which now has only one commercial station (WSIL-TV, Harrisburg), and that not devoting any substantial amount of time to local news or other material of local significance; (3) to provide a local TV outlet to Mount Vernon. It is claimed that a UHF station is out of the question because of the low UHF set circulation and VHF competition which would be obstacles to such a station. The opposing parties, particularly those filing jointly, claim that the area is now well provided with service, and that UHF set circulation in it is already fairly high and may be expected to rise with additional UHF stations at St. Louis and elsewhere. It is claimed that the particular needs of Mount Vernon and surrounding area could be met by a low-power "community" station, CATV with program origination, or a UHF station (particularly an educational one without the problem of initial viability), none of them involving the same impact on UHF development as is entailed in the Channel 13 proposal.

15. As to signals available in terms of the Commission's rules, Soillcom's showing—which is not controverted—is as follows: It would provide a Grade B or better signal to 526,614 persons in 10,745 square miles assuming an 800-foot tower, or more using a 990-foot tower; in either event, it would provide a first Grade B or better signal to what is now "white area" including 47,483 persons in 1,056 square miles. It appears that this "white area"—all of which would receive a predicted Grade A signal—lies in the northern and eastern portion of the nine-county area mentioned above, 15 miles or further from Mount Vernon and including most of Marion and Payette Counties and parts of Clay, Effingham, and Wayne Counties. The Grade A con-

*Soillcom emphasizes its potential for service to "Southern Illinois", defined generally as the area south of a line running roughly east-northeast across the State from north of Alton to north of Terre Haute, approximately the route of Illinois State Highway 16. It also emphasizes the "nine-county area" consisting of the nine counties all or most of which lie within the proposed Grade A contour and centering around Salem (Bond, Clay, Clinton, Effingham, Payette, Jefferson, Marion, Washington, and Wayne counties).

tour with an 800-foot tower would include 208,809 persons in 5,275 square miles, and nearly 90 percent of this population and area—183,728 persons in 4,865 square miles—now receives no Grade A or better signals.⁷ This area includes Mount Vernon (which receives Grade B signals from Harrisburg, Cape Girardeau and (in part) Paducah VHF stations) and the great bulk of the nine-county area mentioned.

16. The joint opposing comments assert (on the basis of a statistical analysis attached) that, despite the absence of predicted signals in terms of the Commission's rules, all of the proposed Channel 13 coverage area is now well served. This is asserted to be demonstrated by: (1) High TV set ownership in the area, with all counties lying wholly or largely within the Grade B contour showing at least 88 percent and nearly all 90 percent or more, of total homes as TV homes; (2) an analysis of American Research Bureau (ARB) data as to stations which can be received in these counties clearly enough for regular viewing. In the latter connection, it is asserted that the average number of stations so receivable in the nine Grade A counties mentioned above is 5.4; the average for the 14 other counties entirely or largely within the Grade B contour is 4.4, for an overall average of 4.8. All but about 6 percent of the homes in these areas, it is asserted, can receive three or more stations; some (4.7 percent overall) can receive 10 or more.⁸ It is asserted (based on the same data) that more than 90 percent of the TV homes in both the Grade A and Grade B areas can now receive full network service; two-thirds of the TV homes in the Grade A counties and 21.8 percent of those in the Grade B counties (outside of the 100 percent served St. Louis area) receive also service from an independent station; and a large number (52.5 percent in the Grade A counties, 38.9 percent in the Grade B counties outside of the St. Louis area) can receive an educational TV station.

17. Soillcom in reply, including a statement by an economic consultant, attacks the validity and significance of these showings. It is urged that: (1) The fact that persons report several stations as viewable is of little significance, since it is well known that viewers unable to get good TV service will go to great lengths to get, and will accept, poor service; the only objective standard, it is said, is service as defined in the Commission's rules; (2) the absence of correlation in some cases between the showing for a particular county, and its actual location with respect to signals, makes the real meaning of the showing doubt-

⁷With a 990-foot tower, the operation would provide a first Grade A signal to 202,878 persons in 5,569 square miles.

⁸The figures for the individual counties in the nine-county Grade A area are shown as ranging from 4.4 (Bond) to 6.4 (Wayne).

ful;⁹ (3) the small number of ARB diaries used in the study (numbers per county ranging from five to 16) makes the showing doubtful on statistical grounds; (4) in some counties the viewing shown unquestionably represents CATV viewing (four are mentioned as having wide CATV audience), and this is not the equivalent of local, off-air TV service.¹⁰

18. The parties also disagree as to the extent of UHF development in this area, which is urged both in connection with the existence or absence of significant UHF impact and as to the possibility of UHF for a Mount Vernon station. In its petition Soillcom claimed that the percentage of UHF homes was quite low (only about one-third); the joint opposition shows it as considerably higher (based on ARB data). It is asserted that in the 9-county area the percentage of UHF-equipped homes is 53 percent (41 percent in Jefferson County, where Mount Vernon is located), and that it is 78.2 percent in the other counties within the Grade B contour and outside of the St. Louis area, and 60 percent in that area, for a total overall of 62.9 percent. It is claimed that UHF net-weekly circulation is 46.3 percent in the Grade B counties and 10.2 percent in the Grade A counties, with about a 17 percent overall share of viewing in the entire area on an average quarter-hour basis. It is asserted that these figures will increase as more UHF stations come on the air, particularly the two new St. Louis stations. In reply, Soillcom and its economic consultant question whether the homes shown by ARB as "UHF-equipped" really are more than simply all-channel homes, without necessarily having the special

⁹It is noted that in four counties the number of stations reported as viewable substantially exceeds the number of Grade B signals available off the air, while in four other cases the number reported is less than the number of Grade B signals available. It is concluded that what the opposing material shows is that persons with a number of good signals available regard others as unacceptable (even when they are Grade B), whereas viewers with no good signals available regard all "fringe" signals as acceptable; but when a good local signal becomes available they will change their appraisal.

¹⁰Soillcom's petition lists 15 CATV systems as of August 1967 within the proposed coverage area, including seven (in six counties) within the nine-county area. Most of these (all of those in the nine-county area) are of nine-channel or greater capacity. The seven totaled some 9,250 subscribers as of February 1969 (Television Factbook, 1969, pp. 418-a-423-a).

An analysis of Television Factbook (1969) data on reception of various stations tends to confirm the view that stations are received, in one way or another, beyond their Grade B contours. Of the nine counties mentioned, viewers in two are shown as watching only the four St. Louis stations; the others show six to 12 stations received in the county. However, it appears probable that this does represent CATV viewing to some extent, e.g., the viewing of St. Louis stations in Effingham County, well outside the Grade B contour.

antenna usually necessary for UHF reception at this distance.¹⁴ Soillcom again asserts the great handicap which a potential UHF station in the Mount Vernon area would face, with only about 40 percent UHF circulation in its home county and 53 percent in its Grade A area, and with all-VHF competition from the stations to the south.

19. With respect to the needs of the Mount Vernon area for a locally oriented service, Soillcom attached to its original petition letters from a number of civic, political, and educational figures in and around that city, and potential advertisers, concerning the need for a local outlet and its advantages in improving the social, economic, cultural and educational aspects of the city's life. It is claimed that this will be an additional impetus to the economic development of what has been a "depressed area". It is asserted that such TV service as is available does not adequately deal with local needs. WSIL-TV, the only station in Southern Illinois and the only Illinois station providing a Grade B signal in or near Mount Vernon, is claimed to present very little material pertaining to this area (for example, no results of elections held in April 1969 in 59 southern Illinois communities, no non-network news at all on weekends, no coverage of various area matters which were the subject of newspaper stories recently, and only three announcements for Mount Vernon commercial advertisers in a week). The opponents claim that such needs as exist may be met by a UHF educational station (which would serve the cultural needs mentioned), the numerous CATV systems in Mount Vernon and elsewhere which may be permitted to originate program material, and/or a "community" type UHF station of the type proposed in Docket 14429, to operate with low power and meet local TV needs. In reply, Soillcom dismisses all of these alternatives as grossly inadequate; CATV is not a substitute for regular TV service, particularly in sparsely settled rural areas such as that around Mount Vernon; a UHF satellite would not provide local origination and would have limited coverage; and an educational station could not fulfill the need for a full-fledged local station and aid in economic development.

20. *The air-hazard question.* As mentioned earlier, Channel 13 can be used in an extremely limited area consistent with our mileage separation rules, and objection to the proposed location was raised because of the alleged danger to air navigation from a tower 6 miles north of the Salem-Leckrone airport. This was based on the original 990-foot proposal. As described in an affidavit from an aeronautical consultant (Mr. Edward H. Cockerham) the proposed structure would protrude into the established departure path to the extent of

351 feet, requiring, at best, a change in instrument-flight procedures which make FAA approval unlikely. As noted above, the State of Illinois and the local airport authority indicated objection to the original proposal.

21. In reply, Soillcom submits an affidavit from another aeronautical consultant (Mr. Lowell Wright), describing the situation. It is stated that in order to meet the problem with its original proposal, Soillcom offered to give to the airport authority a nondirectional beacon, and (after this was unacceptable because of limited usability) a VOR (VHF omnidirectional ranging), which would serve all radio-equipped aircraft and permit lower IFR minimums. When there was still objection because the tower height of 990 feet would violate State criteria for joint financing of airport expansion, Soillcom amended its proposal to specify an 800-foot tower, which (1,355 feet above MSL) would meet the State's criteria and requirements. Mr. Wright states that in his opinion the amended proposal will not be a hazard to air navigation and (if a suitable VOR site can be secured, which he believes is no problem) FAA approval can be secured. The VOR which Soillcom will provide will be an added benefit to air navigation generally.

Conclusions. 22. In this case, as in other situations involving a new VHF channel assignment or change in VHF facilities, we must weigh on the one hand the possible impact to the development of UHF, and on the other the need for the service which the new assignment or facilities would provide. It is appropriate to take into account in this evaluation various forms which the adverse impact on UHF could possibly take: (1) Impact on development in the proposed city itself or its immediate area; (2) impact on existing or potential UHF stations further removed but involving some signal overlap, such as those discussed at length above; and (3) impact on the cause of UHF development in the nation generally, which we are committed to foster. Where there is any likelihood of impact at all, we must also take into account possible alternative means of achieving service benefits, particularly the possibility of using a UHF assignment instead.

23. As to the first, we cannot conclude that there is any substantial likelihood that the proposed assignment would have an adverse impact on UHF development in the proposed Grade A or Grade B coverage area, simply because there appears no likelihood of such development in the near or medium-range future. There are no UHF assignments now in Mount Vernon or the Soillcom proposed Grade A area, or within the proposed Grade B area at least using its later 800-foot proposal; and, while such assignments could readily be made, no demand therefor has been evinced. In view of the rather low UHF set penetration in the area except near the Central Illinois UHF stations to the north (no more than about 40 percent in Mount Vernon's

county), and the fact that any station in or near Mount Vernon would face competition from numerous long-standing VHF stations (particularly those to the south, and also those at St. Louis and Terre Haute) we cannot conclude that an affirmative action here would impair a possibility of UHF development in this area which would otherwise exist.

24. As to impact on UHF generally, as mentioned in the Notice, circumstances have changed with the passage of over 7 years since enactment of the all-channel receiver law, and over 5 years since our rules implementing it became effective (Apr. 30, 1964). Receivers with UHF capability are now in widespread use, their purchase being spurred by increased interest in color TV and thus purchase of new sets. We are aware that the VHF-UHF disparity has not been entirely eliminated; this is the reason for our pending inquiry proceeding looking toward improved UHF tuning mechanisms and processes (Docket 18433). Until the disparity is eliminated and UHF becomes substantially equal and fully competitive, the question of "UHF impact" must continue to be of substantial concern. But to say this is not to say that we must insulate every UHF station or potential station from any possible small wind of VHF impact, where there is a substantial service benefit involved in a different course. The time when such caution was appropriate has, in our judgment, passed. Therefore, we believe the assignment here must be made unless there is some substantial specific impact on UHF to be avoided.

25. We turn, then, to the second area mentioned—effect on stations and possible stations at some distance from, but with some signal contour overlap with, the proposed station. In this case, this is chiefly the stations in St. Louis and central Illinois (Springfield, Decatur, Jacksonville, and to a lesser extent Champaign). While there is substantial contour overlap involved, we do not find the likely impact substantial enough to warrant denial of the assignment. Turning first to the St. Louis situation, we note the substantial amount of Grade B to B, B to A, A to A, and even some principal-city to Grade B and A, overlap which would be involved. We recognize that the new VHF signal will come fairly close to St. Louis and its Illinois environs; with the originally proposed 990-foot tower the Grade B contour would reach to the Mississippi River and include places such as East St. Louis and Granite City. As revised to 800 feet, the proposal would put a Grade B contour some 8 miles short of the city, including Belleville but not the places mentioned. But it must be remembered that the UHF stations here face already the competition of four St. Louis commercial VHF stations (all networks and one independent), as well as VHF signals from other stations such as that at Cape Girardeau. We cannot conclude that the addition of another signal to part of these stations' areas, from a much smaller place such

¹⁴ The ARB diary question asks whether the set is equipped to receive any channels from 14 to 83. The data clearly does include homes receiving UHF via CATV.

as Mount Vernon, will add significantly to their burden, so as to warrant denial of the proposal involved here, with its obvious service benefits in terms of section 307(b) of the Communications Act and our traditional allocations objectives as set forth in the sixth report and order.

26. With respect to the Central Illinois stations, again we believe the same conclusion is required, even though the considerations are somewhat different. Since much of the area of possible impact receives only one VHF signal at present (usually that of WCIA, Champaign), the addition of a second could conceivably represent a competitively significant increment, as WAND points out. But we also note that the amount of contour overlap is less than with the St. Louis stations, and the position of three of the stations (WAND and WICS-WICD, the only stations whose licensees opposed the assignment) as well-established, network-affiliated, reasonably profitable operations.²² Located in cities substantially larger than Mount Vernon, with high UHF circulation and established audiences, it is not likely that they will be unduly affected. We agree with the parties filing a joint opposition that impact is not confined to the demise of the station affected, but can be manifested in other ways such as restrictions on its facilities or program service. But in view of the established character of these operations, we cannot conclude that the likelihood of their being so affected is great,²³ so as to warrant denial to the Mount Vernon and southern Illinois area of the benefits which would accrue from the drop-in of Channel 13.

27. Thus, neither individually nor collectively do we believe the possible impact warrants denial of the proposed assignment. The parties filing jointly accuse the Commission and Soillcom of inconsistency, of emphasizing on the one hand the "changed circumstances" of the improved situation of UHF, and on the other the remoteness of any future development of UHF in the Mount Vernon area. But this is a distinction which must be made, here as in other UHF-VHF decisions. UHF is developing, though it has not yet reached parity with VHF, to a point where, as mentioned, we believe we

²² WICS-WICD are the NBC affiliate, and WAND the ABC affiliate, for this central and eastern Illinois area. WAND mentions a small profit in 1968 of about \$25,000; but to this must be added a substantial expense item in the form of depreciation, in evaluating its economic situation.

²³ These observations about established position and network affiliation do not, of course, apply to station WJYY-TV, Jacksonville, which has just started operation. However, it does have the benefit of high UHF conversion in the Springfield area, and in any event, with a highly directional east-west pattern, features service to Springfield and areas further west around Quincy, rather than to the southeast in the direction of Mount Vernon. With respect to other UHF stations mentioned earlier—at Evansville and Paducah—the overlap involved is small or nonexistent, clearly not enough to warrant denial of the proposal.

need not take absolute, total heed of possible impact consequences. This is true in areas such as Central Illinois, of long-standing and advanced UHF development. But that does not mean that the two areas of the television service are as yet equal, so that UHF development in southern Illinois is likely in the near future.

28. With respect to the need for the service, the unquestioned advantages involved need not be repeated here. We do not believe the material concerning viewing of stations in the proposed Grade A and Grade B area is of substantial merit in this connection; taking into account the extent to which it may represent CATV viewing and straining for "fringe" signals. We regard the provision of a service meeting the minimum requirement of our rules as important, completely aside from and in addition to the undoubted benefits to Mount Vernon and its area of an additional TV station meeting local needs which appear largely unsatisfied at present. Nor do we regard the suggested alternatives as capable of meeting those needs. CATV, which is now permitted to originate program material, can do so only for those who are subscribers, in places large enough to warrant the installation of systems, and thus not in the many small places and rural areas of this region. A "community" station would not bring the service benefits mentioned in terms of signal availability, particularly to the area north of Mount Vernon which is where service is now lacking. An educational station would not fulfill the same function in many respects, as Soillcom points out, and, as we have indicated, the establishment of a regular UHF station appears unlikely for the foreseeable future.

29. The joint opponents of the proposal cite a number of Commission decisions denying VHF channel additions or moves of VHF stations, in urging that denial is appropriate here also. Of these, the only one warranting discussion is Salina, Kans. 11 F.C.C. 2d 255, 11 R.R. 2d 1704 (January 1968). There we denied a request by the UHF station at Salina (which had been forced to suspend operation) that a VHF channel be assigned, largely on the ground that (with the all-channel law and rules now effective for some time) the area appeared likely to develop support for a UHF station. While the situation with respect to available VHF signals was roughly the same as that here, there were two important differences otherwise as far as UHF potential is concerned: (1) The population of Salina is considerably greater than that of Mount Vernon (1960 Census populations 43,202 and 15,566, respectively); and (2) a UHF station had operated in Salina, whereas here there is no significant background of UHF activity. Rather, we believe that here—where there are very few communities of substantial size within a considerable distance of Mount Vernon—the situation is similar to that dealt with in KTTV Television Co., 4 R.R. 2d 243, 247 (1965) where we observed that:

Since these communities constitute small markets which for the most part have existing television reception service, and have low population density in their surrounding areas, they represent little realistic potential for UHF in the near future.

Also, in the Salina case there was an adverse factor not here present—the VHF assignment could not be made without deleting a VHF educational assignment which could not be replaced consistent with the separation rules, whereas here Channel 13 can be assigned without disturbing other assignments and would otherwise be wasted. Moreover, the service benefits to be gained, in terms of first service, were less than those here.²⁴

30. In making this assignment, we, of course, do not pass on the economic viability of a station at Mount Vernon; that is initially for consideration in passing on any application which is filed, as to financial qualifications as in other respects, and later for the judgment of the marketplace. If a station in Mount Vernon cannot be supported (as the opponents claim), then it will simply fail and the adverse consequences claimed will not occur. We note in this connection that it is not a matter of wasting an otherwise useable assignment; if Channel 13 is not assigned to Mount Vernon or another community nearby, and used at the location to the north mentioned, it cannot be used at all. We emphasize in this connection, however—and also in connection with the air hazard issue—that we expect the station to be built, by Soillcom or whatever other applicant ultimately becomes the grantee, in strict compliance with the rules. If it cannot be so constructed and successfully operated, at such a location, it will have to go off the air. We are not making this assignment for the purpose of providing "another St. Louis station", as some of the opponents seem to fear. Also, in view of Soillcom's modification of its proposal—and the resulting alleviation of the two chief problems involved in it—we will give most careful scrutiny to any proposal for a tower height of more than 800 feet. It appears that this height is enough to provide the substantial service benefits mentioned and minimize possible adverse impact on UHF.

31. Accordingly, pursuant to authority contained in sections 4(i), 303 (g) and (r), and 307(b) of the Communications

²⁴ The other three Commission decisions cited are Hutchinson-Wichita, Kansas, 3 F.C.C. 2d 556, 7 R.R. 2d 1577 (1966); Bloomington-Indianapolis, Ind., 1 F.C.C. 2d 496, 5 R.R. 2d 1744 (1965); and Triangle Publications, Inc., 37 F.C.C. 307, 3 R.R. 2d 37 (1964), involving the move of the New Haven VHF station north toward Hartford and Springfield. In the first case there would have been no gain in service at all (no change in facilities was involved); in the others, the UHF impact was on stations much closer to the proposed VHF operation. In the Indiana case it does not appear what service gain or loss would have been involved; in the Connecticut case, it appears that while there would have been a net gain in population covered, there would have been a loss in needed service to what would become "white" areas.

Act of 1934, as amended: *It is ordered*, That, effective December 10, 1969, § 73.606(b) of the Commission's rules is amended by the addition of the following entry (offset will be supplied at a later date):

City	Channel No.
Mount Vernon, Ill.....	13

32. *It is further ordered*, That this proceeding (Docket 18453) is terminated. (Secs. 4, 303, 307, 48 Stat., as amended, 1066, 1082, 1083; 47 U.S.C. 154, 303, 307)

Adopted: October 31, 1969.
Released: November 4, 1969.

FEDERAL COMMUNICATIONS
COMMISSION¹²

[SEAL] BEN F. WAPLE,
Secretary.

[F.R. Doc. 69-13289; Filed, Nov. 6, 1969;
8:47 a.m.]

[Docket No. 18397]

PART 74—EXPERIMENTAL, AUXILIARY, AND SPECIAL BROADCAST AND OTHER PROGRAM DISTRIBUTIONAL SERVICES

Community Antenna Television Systems; Correction

In the matter of amendment of Part 74, Subpart K, of the Commission's rules and regulations relative to community antenna television systems; and inquiry into the development of communications technology and services to formulate regulatory policy and rulemaking and/or legislative proposals; Docket No. 18397.

The Commission's first report and order in Docket No. 18397, released October 27, 1969, FCC 69-1170, and published in the FEDERAL REGISTER on October 31, 1969, 34 F.R. 17651, is corrected as follows:

1. In footnote 18 to paragraph 29, the comma after "Tex." in the last line is changed to a semicolon and the words "Gridtronics, Inc., New York, N.Y." are inserted before "etc."

2. In the second line of paragraph 45 the abbreviation "pp." is changed to the word "paragraphs".

Released: November 3, 1969.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] BEN F. WAPLE,
Secretary.

[F.R. Doc. 69-13256; Filed, Nov. 6, 1969;
8:45 a.m.]

¹² Commissioner Robert E. Lee dissenting; Commissioners Cox and Johnson concurring in the result.

Title 49—TRANSPORTATION

Chapter X—Interstate Commerce Commission

SUBCHAPTER A—GENERAL RULES AND REGULATIONS

[Ex Parte No. 246]

PART 1002—FEES

Services Performed in Connection With Licensing and Related Activities

NOVEMBER 3, 1969.

To reflect increased maximum rates for transcripts of testimony and oral argument purchased by the public from the Commission's official reporter, the heading and paragraph (h) of § 1002.1 of Chapter X of Title 49 of the Code of Federal Regulations are amended as follows:

§ 1002.1 Fees for copying, certification, and related services.

(h) Transcript of testimony and of oral argument, or extracts therefrom, may be purchased by the public from the Commission's official reporter, the CSA Reporting Corporation, 300 Seventh Street SW., Washington, D.C. 20024. Transcripts will be furnished to the public at the following maximum rates per page of approximately 200 words:

35 cents per page for regular copy and \$1.75 per page for daily copy for hearings or arguments held at Washington, D.C., and * * *

These amendments are effective upon publication in the FEDERAL REGISTER.

(Sec. 501, 65 Stat. 290; 31 U.S.C. 483a)

[SEAL] H. NEIL GARSON,
Secretary.

[F.R. Doc. 69-13294; Filed, Nov. 6, 1969;
8:49 a.m.]

[Ex Parte No. MC-19 (Sub-No. 5)]

PART 1056—TRANSPORTATION OF HOUSEHOLD GOODS IN INTERSTATE OR FOREIGN COMMERCE

Practices of Motor Common Carriers of Household Goods; Determination of Weights

NOVEMBER 3, 1969.

This proceeding was initiated by notice of proposed rule making published on page 16301 of the November 6, 1968, issue of the FEDERAL REGISTER. All household goods carriers subject to the Interstate Commerce Act were made respondents and were invited to participate as parties. After parties filed verified statements, the proceeding was referred to a hearing examiner for recommendation of an appropriate order accompanied by the reasons therefor.

After consideration of all the evidence of record, the hearing examiner issued his report and order which was served September 12, 1969, and recommended that a new paragraph (d) be added to § 1056.3 of Chapter X of Title 49 of the Code of Federal Regulations.

Since no exceptions were filed to the examiner's recommended report and order and the Commission did not stay or postpone the effect of the examiner's recommendations, the amendment to § 1056.3 became effective, pursuant to Rule 97 of the Commission's general rules of practice (49 CFR 1100.97), on October 13, 1969.

§ 1056.3 Determination of weights.

(d) The provisions of paragraphs (a), (b), and (c) of this section shall not apply to shipments consisting solely of machinery (including auxiliary and component parts thereof) which are being transported by household goods carriers pursuant to the definition of household goods in § 1056.1(a)(3).

(49 Stat. 546, as amended, 558, as amended, 560, as amended; 49 U.S.C. 304, 316, 317)

[SEAL] H. NEIL GARSON,
Secretary.

[F.R. Doc. 69-13295; Filed, Nov. 6, 1969;
8:49 a.m.]

Title 50—WILDLIFE AND FISHERIES

Chapter I—Bureau of Sport Fisheries and Wildlife, Fish and Wildlife Service, Department of the Interior

PART 32—HUNTING

Horicon National Wildlife Refuge, Wis.

The following special regulation is issued and is effective on date of publication in the FEDERAL REGISTER.

§ 32.32 Special regulations; big game; for individual wildlife refuge areas.

WISCONSIN

HORICON NATIONAL WILDLIFE REFUGE

The public hunting of deer and foxes on the Horicon National Wildlife Refuge, Wis., is permitted only on the area designated by signs as open to hunting, during the period November 22 through November 23, 1969, with designated firearms, and during the period December 6 through December 31, 1969, with bow and arrow. The open area, comprising 20,700 acres, is delineated on maps available at refuge headquarters, Mayville, Wis., and from the Regional Director, Bureau of Sport Fisheries and Wildlife, Federal Building, Fort Snelling, Twin Cities, Minn. 55111. Hunting shall be in accordance with all applicable State regulations.

The provisions of this special regulation supplement the regulations which govern hunting on wildlife refuge areas generally, which are set forth in Title 50, Code of Federal Regulations, Part 32, and are effective through January 1, 1970.

ROBERT S. PERSONIUS,
Refuge Manager, Horicon National Wildlife Refuge, Mayville, Wis.

OCTOBER 31, 1969.

[F.R. Doc. 69-13273; Filed, Nov. 6, 1969;
8:46 a.m.]

Proposed Rule Making

DEPARTMENT OF JUSTICE

Bureau of Narcotics and Dangerous
Drugs

[21 CFR Part 320]

DEPRESSANT AND STIMULANT DRUGS

Proposed Requirements for Exportation of Controlled Substances

Notice is hereby given pursuant to the provisions of section 701 of the Food, Drug, and Cosmetic Act, 52 Stat. 1055, as amended (21 U.S.C. 371); and under the authority vested in the Attorney General by Reorganization Plan No. 1 of 1968 (33 F.R. 5611) and redelegated to the Director, Bureau of Narcotics and Dangerous Drugs by § 0.200 of Title 28 of the Code of Federal Regulations, that the regulations set forth in tentative form below are proposed to be prescribed by the Director, Bureau of Narcotics and Dangerous Drugs in order to establish definite procedures for the exportation of controlled substances which will allow the efficient enforcement of the provisions of section 801(d) of the Act (21 U.S.C. 381).

It is proposed that Part 320 of Title 21 of the Code of Federal Regulations be amended by adding to the existing sections the following new section:

§ 320.20 Exportation.

(a) The provisions of section 801(d) of the act (21 U.S.C. 381(d)), provide that a drug intended for export shall not be deemed to be adulterated or misbranded but that if such an article is sold or offered for sale in domestic commerce, it is not exempt from control. The provisions of Part 370 of Title 15 of the Code of Federal Regulations (15 CFR 370.2), contain the following definition: "U.S. Exporter. That person who, as the principal party in interest in the export transaction, has the power and responsibility for determining and controlling the sending of the commodities and technical data out of the United States." Therefore, any manufacturer, compounder, processor, wholesaler, or distributor of controlled substances that engages in exportation will be deemed the "U.S. Exporter" under 15 CFR 370.2, and must comply with one of the following alternative procedures in order to insure that controlled substances "intended for export" are in fact exported:

(1) The "U.S. Exporter" will execute the Shipper's Export Declaration, Form 7225-V, if required by 15 CFR 379.1-379.13, and have the controlled substances shipped by bonded carrier directly to the consignee in the foreign

country without the use of a "forwarding agent." A copy of the invoice describing the controlled substance must be attached to each copy of the Shipper's Export Declaration and these documents must accompany the shipment. Form 7525-V may be obtained at a cost of \$1 per 100 from any local Customs or Department of Commerce Field Office, and assistance in the execution of such Forms is also available at such offices. A "U.S. Exporter" may not, under any circumstances, release a shipment of controlled substances to anyone, including the consignee, or his agent, within the United States.

(2) The "U.S. Exporter" may ship the controlled substances to a "forwarding agent" as defined in 15 CFR 379.4(f), who will execute the required Shipper's Export Declaration and further act as an exporting agent for the principal. When a "forwarding agent" is utilized, a copy of the invoice describing the controlled substance must be attached to each copy of the Shipper's Export Declaration and these documents must accompany the shipment. A "forwarding agent" may not, under any circumstances, release a shipment of controlled substances to anyone, including the consignee, or his agent, within the United States. The "forwarding agent" must either deliver the controlled substances to the port or border, or deliver the controlled substances to a bonded carrier approved by the principal for delivery to the border.

(b) In the event that controlled substances intended for export by a "U.S. Exporter" or a "forwarding agent" are introduced or delivered into domestic commerce before they are exported, such introduction or delivery shall be considered a domestic sale, delivery, or other disposition of a controlled substance under 21 U.S.C. 360a, and a prohibited act under 21 U.S.C. 331(q) (2).

All interested persons are invited to submit their views in writing regarding this proposal. Views and comments should be submitted, preferably in triplicate, addressed to the Office of Chief Counsel, Bureau of Narcotics and Dangerous Drugs, Department of Justice, Room 611, 1405 I Street NW., Washington, D.C. 20537, within 30 days following the date of publication of this notice in the FEDERAL REGISTER, and may be accompanied by a memorandum or brief in support thereof.

Dated: October 31, 1969.

JOHN E. INGERSOLL,
Director, Bureau of
Narcotics and Dangerous Drugs.

[F.R. Doc. 69-13260; Filed, Nov. 6, 1969;
8:45 a.m.]

DEPARTMENT OF AGRICULTURE

Agricultural Research Service

[7 CFR Part 301]

JAPANESE AND WHITE-FRINGED BEETLES, EUROPEAN CHAFER, IMPORTED FIRE ANT, GOLDEN AND SOYBEAN CYST NEMATODES, AND WITCHWEED

Soil Samples From Regulated Areas

Notice is hereby given under the administrative procedure provisions in 5 U.S.C. 553, that it is proposed, under the authority of sections 8 and 9 of the Plant Quarantine Act of 1912, as amended, and section 106 of the Federal Plant Pest Act (7 U.S.C. 161, 162, 150ee), to delete the supplemental regulations (7 CFR 301.48-2b, 301.72-2b, 301.77-2b, 301.81-2b, 301.85-2b, 301.79-2b, and 301.80-2b) pertaining to the movement of soil samples to laboratories for processing, testing, or analysis from areas regulated under the Federal domestic plant quarantines relating to Japanese and white-fringed beetles, European chafer, imported fire ant, golden and soybean cyst nematodes, and witchweed, and to substitute new provisions in the regulations as described below.

It is proposed to allow the interstate movement of soil samples of any size, without a certificate or permit, from areas regulated under said quarantines provided the soil samples are shipped only to approved laboratories, and are packaged so that no spillage or breakage would result in transit; and to condition laboratory approval on the agreement by the laboratory operator to:

(1) Decontaminate soil residues and shipping containers by heating such soil and containers to a minimum temperature of 250° F. for 2 hours or by other approved treatments; and

(2) Decontaminate the effluent used in soil sample processing by boiling for 1 minute or by other approved treatments.

Only laboratories agreeing to these procedures and listed as approved laboratories by the Director of the Plant Pest Control Division in the FEDERAL REGISTER would be allowed to receive soil samples being shipped interstate from regulated areas.

If the proposed amendments are adopted it is proposed to make them effective 4 months after their final publication.

Any interested person who desires to submit written data, views, or arguments on this proposal may do so by filing the same with the Director of the Plant

Pest Control Division, Agricultural Research Service, U.S. Department of Agriculture, Federal Center Building, Hyattsville, Md. 20782, on or before January 2, 1970.

Done at Washington, D.C., this 4th day of November 1969.

[SEAL]

R. J. ANDERSON,
Acting Administrator,
Agricultural Research Service.

[F.R. Doc. 69-13302; Filed, Nov. 6, 1969;
8:48 a.m.]

**Consumer and Marketing Service
[7 CFR Part 912]**

**GRAPEFRUIT GROWN IN INDIAN
RIVER DISTRICT IN FLORIDA**

**Approval of Expenses and Fixing of
Rate of Assessment for 1969-70
Fiscal Period**

Consideration is being given to the following proposals submitted by the Indian River Grapefruit Committee, established pursuant to the marketing agreement, as amended, and Order No. 912, as amended (7 CFR Part 912, 34 F.R. 12881), regulating the handling of grapefruit grown in the Indian River District in Florida, effective under the applicable provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674), as the agency to administer the terms and provisions thereof:

(a) That the expenses that are reasonable and likely to be incurred by the Indian River Grapefruit Committee, during the period August 1, 1969 through July 31, 1970, will amount to \$25,000.

(b) That the rate of assessment for such period, payable by each handler in accordance with § 912.41, be fixed at \$0.005 per standard packed box.

All persons who desire to submit written data, views, or arguments in connection with the aforesaid proposals shall file the same, in quadruplicate, with the Hearing Clerk, U.S. Department of Agriculture, Room 112, Administration Building, Washington, D.C. 20250, not later than the 10th day after the publication of this notice in the FEDERAL REGISTER. All written submissions made pursuant to this notice will be made available for public inspection at the office of the Hearing Clerk during regular business hours (7 CFR 1.27(b)).

Dated: November 3, 1969.

PAUL A. NICHOLSON,
Deputy Director, Fruit and Vegetable Division, Consumer and Marketing Service.

[F.R. Doc. 69-13267; Filed, Nov. 6, 1969;
8:45 a.m.]

[7 CFR Part 993]

**DRIED PRUNES PRODUCED IN
CALIFORNIA**

**Modification of Salable and Reserve
Percentages for 1969-70 Crop Year**

Notice is hereby given that the Department has under consideration a proposal to revise the salable and reserve percent-

ages previously established (§ 993.205; 34 F.R. 13697) for California dried prunes for the 1969-70 crop year from 80 percent and 20 percent, respectively, to 87 percent and 13 percent, respectively. The percentages as proposed to be modified would provide, based on the October 10, 1969, crop estimate of the USDA Crop Reporting Board, as near as possible 113,199 tons, natural condition weight, of salable prunes from the 1969 California dried prune crop. The modification of the percentages would be in accordance with the applicable provisions of the marketing agreement, as amended, and Order No. 993, as amended (7 CFR Part 993), regulating the handling of dried prunes produced in California, effective under the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674). The proposed modification of percentages was unanimously recommended by the Prune Administrative Committee.

All persons who desire to submit written data, views, or arguments in connection with the aforesaid proposal should file the same, in quadruplicate, with the Hearing Clerk, U.S. Department of Agriculture, Room 112, Administration Building, Washington, D.C. 20250, not later than 7 days after publication of this notice in the FEDERAL REGISTER. All written submissions made pursuant to this notice will be made available for public inspection at the office of the Hearing Clerk during official hours of business (7 CFR 1.27(b)).

Dated: November 4, 1969.

PAUL A. NICHOLSON,
Deputy Director, Fruit and Vegetable Division, Consumer and Marketing Service.

[F.R. Doc. 69-13304; Filed, Nov. 6, 1969;
8:48 a.m.]

**FEDERAL COMMUNICATIONS
COMMISSION**

[47 CFR Part 74]

[Docket No. 18397]

**COMMUNITY ANTENNA TELEVISION
SYSTEMS**

**Order Extending Time for Filing Reply
Comments**

In the matter of amendment of Part 74, Subpart K, of the Commission's rules and regulations relative to community antenna television systems; and inquiry into the development of communications technology and services to formulate regulatory policy and rulemaking and/or legislative proposals; Docket No. 18397.

1. The Commission has received a request from Information Industry Association, filed on October 22, 1969, for a 30-day extension of the time for filing reply comments on Part V of this proceeding. Other parties have also inquired informally as to whether some extension could be granted. Reply comments on Part V are presently scheduled to be filed on or before November 3, 1969.

2. In previous orders granting extensions of the times for filing comments and reply comments on Part V, as well as on other parts of this docket, the Commission has indicated its desire to receive comments and reply comments on Part V at an early date, because the questions involved are pertinent to other portions of the proceeding which are now pending before the Commission. It has also pointed out that no final action would be taken on Part V without further proceedings in which all parties will have an opportunity to amplify their views in light of the record already compiled. In the circumstances, and considering the time that has already elapsed since the issuance of the notice on December 13, 1969, it does not appear that any substantial further extension would be desirable or serve the public interest. However, in view of the recent issuance of the first report and order (FCC 69-1170) in this docket on October 27, 1969, the time for filing reply comments on Part V will be extended for 3 weeks.

3. Accordingly, it is ordered, Pursuant to § 0.289(c)(4) of the Commission's rules and regulations, that the time for filing reply comments on Part V of this proceeding is extended through November 24, 1969.

Adopted: October 29, 1969.

Released: October 30, 1969.

[SEAL]

SOL SCHILDHAUSE,
Chief, CATV Task Force.

[F.R. Doc. 69-13257; Filed, Nov. 6, 1969;
8:45 a.m.]

DEPARTMENT OF LABOR

Bureau of Labor Standards

[41 CFR Part 50-204]

**RADIATION SAFETY AND HEALTH
STANDARDS**

**Application in North Dakota and
South Carolina**

The States of North Dakota and South Carolina have each recently entered into an agreement with the Atomic Energy Commission (North Dakota Agreement published at 34 F.R. 13950, and South Carolina Agreement published at 34 F.R. 15315) pursuant to section 274(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2021(b)). Each agreement makes that State's program for control of radiation sources effective pursuant to 41 CFR 50-204.34(c)(1) and eligible for a determination pursuant to 41 CFR 50-204.34(c)(2) that such program is currently compatible with the requirements of the Department of Labor's safety and health standards for Federal supply contracts (41 CFR Part 50-204).

Each agreement brings into compliance with 41 CFR Part 50-204 any employer in the respective State who possesses or uses source material, byproduct material, or special nuclear material, as defined in the Atomic Energy Act of 1954, as amended (42 U.S.C. 2011 et seq.), and has registered such sources with the State involved or is operating under a

license issued by the appropriate State, and in accordance with the requirements of such State's laws and regulations, insofar as his possession and use of such material is concerned, unless the Secretary of Labor after conference with the Atomic Energy Commission, shall determine that the State's program for control of these radiation sources is incompatible with the requirements of 41 CFR Part 50-204. No such determination has been made.

Each agreement shall also be deemed to bring in compliance with 41 CFR Part 50-204 any employer who possesses or uses radiation sources other than source material, byproduct material, or special nuclear material, as defined in the Atomic Energy Act of 1954, as amended (42 U.S.C. 2011 et seq.), insofar as his possession and use of such material is concerned, if he has registered such sources with the appropriate State or is operating under a license issued by the appropriate State and if his operation is entirely in accordance with the requirements of such State's laws and regulations, if and when the State's program for control of these radiation sources is the subject of a currently effective determination by the Secretary of Labor that such program is compatible with the requirements of 41 CFR Part 50-204. I hereby propose to make such a determination.

I also propose to add the States of North Dakota and South Carolina to the list of States set forth in 41 CFR 50-204.34(c) (1) and (2).

Interested persons may submit written data, views, or argument, regarding this proposal by mailing them to the Director of the Bureau of Labor Standards, U.S. Department of Labor, Railway Labor Building, 400 First Street NW, Washington, D.C. 20212, within 30 days after this notice is published in the FEDERAL REGISTER.

(Secs. 1, 4, 49 Stat. 2036, 2038; 41 U.S.C. 35, 38; 5 U.S.C. 556)

Signed at Washington, D.C., this 4th day of November 1969.

GEORGE P. SHULTZ,
Secretary of Labor.

[P.R. Doc. 69-13308; Filed, Nov. 6, 1969; 8:49 a.m.]

Wage and Hour Division

[29 CFR Parts 613, 616, 688, 690]

[Administrative Order 611]

INDUSTRY COMMITTEES FOR FABRICATED PLASTIC PRODUCTS; BUTTON, JEWELRY AND LAPIDARY WORK; ARTIFICIAL FLOWER, DECORATION AND PARTY FAVOR; AND STRAW, HAIR AND RELATED PRODUCTS INDUSTRIES IN PUERTO RICO

Appointment To Investigate Conditions and Recommend Minimum Wages; Notice of Hearing

Pursuant to section 5 of the Fair Labor Standards Act of 1938 (29 U.S.C. 205),

Reorganization Plan No. 6 of 1950 (3 CFR 1949-1953 Comp. p. 1004), and 29 CFR Part 511, I hereby appoint industry committees for the (1) Fabricated Plastic Products Industry in Puerto Rico (Committee No. 90-A); (2) Button, Jewelry, and Lapidary Work Industry in Puerto Rico (Committee No. 90-B); (3) Artificial Flower, Decoration and Party Favor Industry in Puerto Rico (Committee No. 90-C); and (4) Straw, Hair, and Related Products Industry in Puerto Rico (Committee No. 90-D).

These industries are defined as follows:

The fabricated plastic products industry in Puerto Rico is defined as follows: the molding, extrusion, lamination, or other forming, and the fabrication of plastic products: *Provided, however,* That the industry shall not include the manufacture of buttons, buckles, jewelry (including rosaries), and jewelry findings (including beads); the manufacture from plastic materials (except plastic molded to shape) of footwear and cut stock and findings for footwear; the manufacture of apparel and apparel furnishings and accessories; and any activity included in the artificial flower, decoration, and party favor industry (29 CFR Part 688), the leather, leather goods, and related products industry (29 CFR Part 602), the needlework and fabricated textile products industry (29 CFR Part 612), and the chemical, petroleum, and related products industry (29 CFR Part 670), as defined in the wage orders for those industries in Puerto Rico.

The button, jewelry, and lapidary work industry in Puerto Rico is defined as the manufacture from any material of buttons, buckles, jewelry (including rosaries), jewelry findings (including beads), and hair ornaments and accessories; and the processing of natural or synthetic stones for jewelry or industrial use.

The artificial flower, decoration, and party favor industry in Puerto Rico is defined as the manufacture of flowers, buds, berries, foliage, leaves, fruits, plants, stems, and branches which are commonly or commercially known as artificial; and the manufacture of party favors and ornaments and decorations for holidays, except those made of molded plastic or metal other than metallic chenille, foil or tinsel.

The straw, hair, and related products industry in Puerto Rico is defined as the manufacture of products made wholly or chiefly of straw, raffia, sisal, maguey, palm leaves, rushes, grasses, hair, hair bristles, feathers, and similar materials: *Provided, however,* That the industry shall not cover products or activities included in the artificial flower, decoration, and party favor industry (29 CFR Part 688), the button, jewelry, and lapidary work industry (29 CFR Part 616), the children's dress and related products industry (29 CFR 610), the men's and boys' clothing and related products industry (29 CFR Part 615), the shoe and related products industry (29 CFR Part 601), or the textile and textile products industry (29 CFR Part 699).

Pursuant to section 8 of the Fair Labor Standards Act of 1938 (29 U.S.C. 208), Reorganization Plan No. 6 of 1950 (3

CFR 1949-1953 Comp. p. 1004), and 29 CFR Part 511 I hereby:

(a) Convene the above appointed industry committees;

(b) Refer to the industry committees the question of the minimum rates of wages to be fixed for the above-mentioned industries in Puerto Rico as herein defined;

(c) Give notice of the hearings to be held by the several committees at the time and place indicated below. The committees shall investigate conditions in the industries, and the committees, or any authorized subcommittee thereof, shall hear witnesses and receive such evidence as may be necessary or appropriate to enable the committees to perform their duties and functions under the aforementioned Act.

Industry Committee No. 90-A will meet in executive session to commence its investigation at 9:30 a.m. and begin its public hearings at 10:30 a.m. on Monday, January 19, 1970. The investigations and hearings of Industry Committees Nos. 90-B through 90-D will follow in seriatim upon the termination of the previous committee hearing.

The hearings will take place in the offices of the Wage and Hour and Public Contracts Divisions on the seventh floor of the Condominio San Alberto Building, 1200 Ponce de Leon Avenue, Santurce, Puerto Rico.

Each industry committee shall recommend to the Administrator of the Wage and Hour and Public Contracts Divisions of the Department of Labor the highest minimum wage rates for the industry which it determines, having due regard to economic and competitive conditions, will not substantially curtail employment in the industry, and will not give any industry in Puerto Rico a competitive advantage over any industry in the United States outside of Puerto Rico, the Virgin Islands, or American Samoa. However, no industry committee shall recommend minimum wage rates in excess of \$1.60 an hour for work which would have been covered by section 6 of the Act if it had been performed prior to the effective date of the Fair Labor Standards Amendments of 1966. Nor shall any committee recommend minimum wage rates in excess of \$1.45 an hour for the period ending January 31, 1971, nor in excess of \$1.60 per hour thereafter, for work brought within the purview of section 6 of the Act by the Fair Labor Standards Amendments of 1966.

Whenever an industry committee finds that a higher minimum wage may be determined for employees engaged in certain activities in the industry than may be determined for other employees in that industry, the committee shall recommend such reasonable classifications within that industry as it determines to be necessary for the purpose of fixing for each classification the highest minimum wage rate that can be determined for it under the principles set forth herein and in 29 CFR 511.10 which will not substantially curtail employment in such classification and which will not give a competitive advantage to any group in the industry. No classification shall be made, however, and no minimum

wage rate shall be fixed solely on a regional basis or on the basis of age or sex. In determining whether there should be classifications within an industry, in making such classifications, and in determining the minimum wage rates for such classifications, each industry committee shall consider, among other relevant factors, the following: (1) Competitive conditions as affected by transportation, living, and production costs; (2) wages established for work of like or comparable character by collective labor agreements negotiated between employers and employees by representatives of their own choosing; and (3) wages paid for work of like or comparable character by employers who voluntarily maintain minimum wage standards in the industry.

The Administrator shall prepare an economic report for each industry committee containing such data as he is able to assemble pertinent to the matters referred to them. Copies of such reports may be obtained at the national and Puerto Rican offices of the Wage and Hour and Public Contracts Divisions of the U.S. Department of Labor as soon as they are completed and prior to the hearings. The industry committees shall take official notice of the facts stated in the economic reports to the extent that they are not refuted at the hearing.

The procedures of the industry committees shall be governed by 29 CFR Part 511. Interested persons wishing to participate in the hearings shall file pre-hearing statements, as provided in 29 CFR 511.8 containing the data specified in that section not later than 10 days before the hearing date set for the committees as set forth in this notice of hearing; i.e., January 9, 1970.

Signed at Washington, D.C., this 3d day of November 1969.

GEORGE P. SHULTZ,
Secretary of Labor.

[F.R. Doc. 69-13269; Filed, Nov. 6, 1969;
8:46 a.m.]

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Food and Drug Administration

[21 CFR Part 141]

ANTIBIOTIC AND ANTIBIOTIC- CONTAINING DRUGS

Proposed Tests Regarding Residual Quaternary Amines

To establish limits for quaternary amines as a certification requirement for bulk antibiotics used in oral and parenteral products, the Commissioner of Food and Drugs proposes that the tests set forth below be added to Part 141 of the antibiotic drug regulations. The first test concerns quaternary ammonium compounds in procaine penicillin G and the second in tetracycline antibiotics. After these proposed sections are adopted and become effective, Parts 141 and 146 will be amended to establish maximum limits of 100 parts per million of quaternary ammonium compounds for antibiotics to be used in the manufacturer of parenteral products and 500 parts per million for antibiotics to be used in the manufacture of oral formulations.

Accordingly, pursuant to the provisions of the Federal Food, Drug, and Cosmetic Act (sec. 507, 59 Stat. 463, as amended; 21 U.S.C. 357) and under authority delegated to the Commissioner (21 CFR 2.120), it is proposed that two new sections be added to Part 141 as follows:

§ 141.120 Microbiological agar diffusion assay method for residues of quaternary ammonium compounds in procaine penicillin G.

(a) Preparation of inoculated plates. Proceed as directed in § 141.110(a), using 10 milliliters of medium 11 for the base layer and 4 milliliters of medium 11, inoculated with 0.3 to 0.4 milliliter of test organism D per 100 milliliters of media, for the seed layer. Incubate the plates at 32° C.

(b) Preparation of standard stock solution and standard response line solutions. Use the particular quaternary ammonium compound known to be used in the process of manufacturing the batch of procaine penicillin G being tested. Prepare a convenient standard stock solution of the quaternary ammonium compound in 0.1M potassium phosphate buffer, pH 8.0 (solution 3). Further dilute an aliquot of the standard stock solution with sufficient solution 3 to obtain the proper concentrations for the standard response line. These concentrations are 2.5, 5.0, 10.0, 20.0, and 40.0 micrograms per milliliter, with the 10.0 micrograms per milliliter solution as the midpoint of the standard response line.

(c) Preparation of sample for test. Accurately weigh approximately 200 milligrams of the sample to be tested into a glass-stoppered Erlenmeyer flask. Add 0.5 milliliter of sterile penicillinase solution and sufficient solution 3 to make a suspension containing 40 milligrams of sample in each milliliter. Inactivate and dissolve the procaine penicillin G by incubating the suspension for 3 to 4 hours at 37° C. with occasional shaking.

(d) Procedure for assay. Proceed as directed in § 141.110(c).

(e) Estimation of potency. Proceed as directed in § 141.110(d).

(f) Calculation of content of quaternary ammonium compounds. Parts per million of quaternary ammonium compounds = $P \times 25$, where:

P = Potency in terms of micrograms of quaternary ammonium compounds per milliliter of assay solution.

§ 141.585 Colorimetric method for quaternary ammonium compounds in tetracycline antibiotics.

(a) Reagents. (1) Bromothymol blue solution: Dissolve 150 milligrams of bromothymol blue and 150 milligrams of anhydrous sodium carbonate in 100 milliliters of distilled water.

(2) pH 9.0 buffer: Dissolve 84 grams of sodium bicarbonate in 800 milliliters of water. Adjust the pH to 9.0 with 1.0N sodium hydroxide and dilute to 1 liter with distilled water.

(3) Concentrated hydrochloric acid.

(4) 6.0N Hydrochloric acid.

(5) Chloroform.

(6) Benzethonium chloride standard solution: Dissolve 500 milligrams of benzethonium chloride (molecular weight 466.09) in 1 liter of distilled water.

(7) Bromophenol blue indicator: Prepare a 0.1 percent aqueous solution.

(8) Sodium carbonate solution: Prepare a 10 percent aqueous solution.

(9) Sodium lauryl sulfate standard solution: Dissolve 200 milligrams of sodium lauryl sulfate in 1 liter of distilled water.

(10) Alkyl (C_{12} - C_{18}) trimethyl ammonium chloride standard solution: Use a preparation of alkyl trimethyl ammonium chloride, the alkyl portion of which is predominantly C_{16} . Prepare a solution containing 0.6 milligram per milliliter of the alkyl (C_{16}) trimethyl ammonium chloride compound in distilled water.

(b) Standardization of sodium lauryl sulfate standard solution. Transfer 5 milliliters of benzethonium chloride standard solution into a 125-milliliter separatory funnel. Add 3 milliliters of chloroform, 1 milliliter of 10 percent sodium carbonate solution, three drops of bromophenol blue indicator and titrate with the sodium lauryl sulfate standard solution. Shake after each addition of the sodium lauryl sulfate standard solution until the strong blue color in the chloroform layer disappears. Calculate the benzethonium chloride equivalent of each milliliter of sodium lauryl sulfate standard solution as follows:

$$W_b = \frac{2.5}{V}$$

where:

W_b = Benzethonium chloride equivalent (in milligrams) of each milliliter of sodium lauryl sulfate standard solution.

V = Milliliters of sodium lauryl sulfate standard solution used.

(c) Standardization of alkyl (C_{12} - C_{18}) trimethyl ammonium chloride standard solution. Transfer exactly 3 milliliters of the alkyl (C_{12} - C_{18}) trimethyl ammonium chloride stock solution to a 125-milliliter separatory funnel. Add 3 milliliters of chloroform, 1 milliliter of sodium carbonate solution, and 3 drops of the bromophenol blue solution and titrate with sodium lauryl sulfate standard solution (standardized as described in paragraph (b) of this section). Shake after each addition of the sodium lauryl sulfate standard solution until the strong blue color in the chloroform layer disappears. Determine the equivalent number of milligrams as alkyl (C_{16}) trimethyl ammonium chloride per milliliter by means of the following calculation:

$$W_s = \frac{V \times W_b \times MW}{3 \times 466.09}$$

where:

W_s = Milligrams of alkyl (C_{12}) trimethyl ammonium chloride per milliliter.
 MW = Molecular weight of alkyl (C_{12} - C_{18}) trimethyl ammonium chloride standard (if compound used is alkyl (C_{12}), $MW=319.5$).

(d) *Preparation of sample solution.* From the following table select the appropriate solvent for the particular antibiotic to be tested. Transfer an accurately weighed sample of approximately 0.5 gram to a 125-milliliter separatory funnel, dissolve with 8.0 milliliters of the designated solvent solution, and proceed as directed in paragraph (e) of this section.

Antibiotic	Solvent
Chlortetracycline ----	1. 0N Sodium hydroxide.
Chlortetracycline bisulfate.	Do.
Chlortetracycline hydrochloride.	Do.
Demethylchlortetracycline hydrochloride.	Do.
Tetracycline -----	Do.
Tetracycline hydrochloride.	Distilled water.
Oxytetracycline ----	1. 0N Sodium hydroxide.
Oxytetracycline hydrochloride.	Distilled water.

(e) *Procedure.* Acidify the sample solution with 2.0 milliliters of concentrated hydrochloric acid. Add 10.0 milliliters of chloroform and shake for 2 minutes. Allow the phases to separate and drain the chloroform layer into a second separatory funnel. (When testing demethylchlortetracycline, it may be necessary to centrifuge in order to separate the layers.) Wash the chloroform layer with 10.0 milliliters of 6.0N hydrochloric acid and drain the chloroform layer into a third separatory funnel. To the third separatory funnel, add 10.0 milliliters of pH 9.0 buffer and 1.0 milliliter of bromothymol blue solution. Shake for 2 minutes, allow the phases to separate, and determine the absorbance of the chloroform layer at a wavelength of 420 millimicrons using chloroform as a blank. Dilute an aliquot of the alkyl (C_{12} - C_{18}) trimethyl ammonium chloride standard solution in distilled water to a concentration of exactly 100 micrograms of alkyl (C_{12}) trimethyl ammonium chloride per milliliter and transfer 1.0 milliliter to a separatory funnel. Add 10.0 milliliters of chloroform, 10.0 milliliters of pH 9.0 buffer, and 1.0 milliliter of bromothymol blue solution; shake for 2 minutes and determine the absorbance

of the chloroform layer at a wavelength of 420 millimicrons using chloroform as a blank.

(f) *Calculation.* Determine the amount of quaternary ammonium compounds in the sample by the following calculation:

$$\text{Quaternary ammonium compounds (parts per million) as alkyl (C}_{12}\text{) trimethyl ammonium chloride} = \frac{\text{Absorbance of sample solution} \times 100}{\text{Absorbance of standard solution} \times \text{weight of sample in grams}}$$

Any interested person may, within 30 days from the date of publication of this notice in the FEDERAL REGISTER, file with the Hearing Clerk, Department of Health, Education, and Welfare, Room 5440, 330 Independence Avenue SW., Washington, D.C. 20201, written comments (preferably in quintuplicate) regarding this proposal. Comments may be accompanied by a memorandum or brief in support thereof.

Dated: October 30, 1969.

J. K. KIRK,
Associate Commissioner
for Compliance.

[F.R. Doc. 69-13259; Filed, Nov. 6, 1969;
8:45 a.m.]

INTERSTATE COMMERCE COMMISSION

[49 CFR Part 1056]

[Ex Parte No. MC-19 (Sub-No. 7)]

MOTOR CARRIERS OF HOUSEHOLD GOODS

Notice of Proposed Rule Making

NOVEMBER 4, 1969.

Order. At a session of the Interstate Commerce Commission, Division 2, held at its office in Washington, D.C., on the 23d day of October 1969.

Upon further consideration of a petition filed on April 29, 1969 by the Household Goods Carriers' Bureau seeking approval of a proposed rule prohibiting household goods carriers from participating in more than one level of rates for the same transportation between the same points in the same direction; and the order of Division 2 entered herein on August 8, 1969 directing the institution of a rule-making proceeding and requiring petitioner to submit an amended proposed rule, as follows:

It is further ordered. That the petitioner shall submit a rephrasing of the proposed rule to except from the operation thereof the transportation of machinery of unusual nature or value and the services of persons holding authority of the type authorized in Kingpak, Inc., Investigation of Operations, supra;

It appearing, that the date for filing indications of desire to participate, namely, September 25, 1969, is now past, with various individual shippers and household goods carriers, associations of movers and warehousemen, and a forwarder association responding;

And it further appearing, that petitioner has under date of September 29 and October 2, 1969 refused to submit an amended rule for consideration as directed by the order instituting the instant proceeding; which refusal has prompted a demand dated October 2, 1969, by the Household Goods Forwarders Association of America, Inc., that the proceeding be terminated; wherefore:

It is ordered. That in view of petitioner's failure to comply with the requirement imposed in the instituting order herein, which was in effect a condition precedent to further consideration and disposition, this proceeding be, and it is hereby, dismissed.

By the Commission, Division 2.

[SEAL]

H. NEIL GARSON,
Secretary.

[F.R. Doc. 69-13298; Filed, Nov. 6, 1969;
8:48 a.m.]

DEPARTMENT OF TRANSPORTATION

Coast Guard

[46 CFR Part 146]

[CGFR 69-106]

REPORTS OF HAZARDOUS MATERIALS INCIDENTS

Proposed Rule Making and Public Hearing

Correction

In F.R. Doc. 69-12877 appearing at page 17446 in the issue of Wednesday, October 29, 1969, the date in the second sentence of the third paragraph now reading "January 12, 1969" should read "January 12, 1970".

Notices

DEPARTMENT OF COMMERCE

Business and Defense Services
Administration

BETH ISRAEL HOSPITAL

Notice of Decision on Application for Duty-Free Entry of Scientific Article

The following is a decision on an application for duty-free entry of a scientific article pursuant to section 6(c) of the Educational, Scientific, and Cultural Materials Importation Act of 1966 (Public Law 89-651, 80 Stat. 897) and the regulations issued thereunder (32 F.R. 2433 et seq.).

A copy of the record pertaining to this decision is available for public review during ordinary business hours of the Department of Commerce, at the Scientific Instrument Evaluation Division, Department of Commerce, Washington, D.C.

Docket No. 69-00542-33-46040. Applicant: Beth Israel Hospital, 330 Brookline Avenue, Boston, Mass. 02215. Article: Electron microscope, Model EM 300. Manufacturer: Philips Electronic Instruments, The Netherlands. Intended use of article: The article will be used in a large number of scientific investigations which include the following:

a. Cytochemical localization of several hydrolytic enzymes in smooth muscle cells, and their alterations in response to various physiologic, pharmacologic and pathologic stimuli.

b. Cytochemical study of lysosomal enzymes in platelets during aggregation.

c. Ionic movements in the turtle bladder preparation, including the effects of enzymatic poisons.

d. Studies of experimental injury to the gastrointestinal mucosa. In experimental injury to the gastric mucosa induced by generalized stress situations or local increase in intraluminal pressure, an ischemic factor appears important.

e. Analysis of the cellular transformations involved in hyperplasia, metaplasia and neoplasia of the gastrointestinal epithelium.

f. Composition of tubular casts encountered in experimental renal failure.

g. Structure and function of various subcellular fractions of myocardial cells in normal and in experimental cardiac hypertrophy.

h. Pathways and control mechanisms of mammalian epidermal protein synthesis.

i. Effects of various humoral and cellular enzymatic agents on isolated platelet organellar fractions.

j. Effects of various antimicrobial agents on Mycoplasma.

k. Structural and functional alterations in ribosomes and related subcellu-

lar organelles in tissue and organ cultures of various mammalian neoplasms.

Comments: No comments have been received with respect to this application. Decision: Application approved. No instrument or apparatus of equivalent scientific value to the foreign article, for such purposes as this article is intended to be used, is being manufactured in the United States. Reasons: (1) The foreign article specifies a resolving capability of 3.5 angstroms at an accelerating voltage of 20 kilovolts. The most closely comparable domestic instrument is the Model EMU-4B formerly manufactured by the Radio Corp. of America (RCA) and currently being produced by the Forglow Corp. (Forgflo). The Model EMU-4B specifies a resolving capability of five Angstroms, but does not indicate whether this can be attained at 20-kilovolt accelerating voltage. The Department of Health, Education, and Welfare (HEW) advises us that the additional resolving capability of the foreign article is pertinent to the purposes for which the foreign article is intended to be used. (HEW memorandum dated July 19, 1969.) (2) The foreign article provides a continuous range from 200 to 500,000 magnifications, whereas the Model EMU-4B provides a range from 400 to 220,000 magnifications. But for the highest quality, low magnification electron micrographs, RCA specifies a change from the standard pole piece to a special wide, bore, long focal length pole piece. (RCA specifications for EMU-4B Electron Microscope; SI-103A, July 1, 1968, page 1, specification 3(c).) In this connection, HEW advises that a change in pole pieces requires breaking the vacuum in the lens column, thus inducing the contamination of the specimen. Since the achievement of the applicant's research purposes necessitates the capability to shift immediately from intensive scanning at low magnifications to high magnification of selected areas of the specimen, HEW advises that the continuous magnification range of the foreign article is a pertinent characteristic. For these reasons, we find that the Model EMU-4B is not of equivalent scientific value to the foreign article for such purposes as this article is intended to be used.

The Department of Commerce knows of no other instrument or apparatus of equivalent scientific value to the foreign article, for the purposes for which such article is intended to be used, which is being manufactured in the United States.

CHARLEY M. DENTON,
Assistant Administrator for Industry Operations, Business
Defense Services Administration.

[F.R. Doc. 69-13255; Filed, Nov. 6, 1969;
8:45 a.m.]

HANOVER BOROUGH SCHOOL DISTRICT, PA., ET AL.

Notice of Applications for Duty-Free Entry of Scientific Articles

The following are notices of the receipt of applications for duty-free entry of scientific articles pursuant to section 6(c) of the Educational, Scientific, and Cultural Materials Importation Act of 1966 (Public Law 89-651; 80 Stat. 897). Interested persons may present their views with respect to the question of whether an instrument or apparatus of equivalent scientific value for the purposes for which the article is intended to be used is being manufactured in the United States. Such comments must be filed in triplicate with the Director, Scientific Instrument Evaluation Division, Business and Defense Services Administration, Washington, D.C. 20230, within 20 calendar days after date on which this notice of application is published in the FEDERAL REGISTER.

Regulations issued under cited Act, published in the February 4, 1967, issue of the FEDERAL REGISTER, prescribe the requirements applicable to comments.

A copy of each application is on file, and may be examined during ordinary Commerce Department business hours at the Scientific Instrument Evaluation Division, Department of Commerce, Washington, D.C.

Docket No. 70-00258-16-61800. Applicant: Hanover Borough School District, 190 East Walnut Street, Hanover, Pa. 17331. Article: Planetariums and auxiliary projectors, Apollo model. Manufacturer: Goto Optical Co., Japan. Intended use of article: The article will be used for instruction in courses in astronomy, navigation and weather for different grade levels and will be operated by both students and teachers. Application received by Commissioner of Customs: October 16, 1969.

Docket No. 70-00259-33-46070. Applicant: U. S. Department of Agriculture, ARS, Southern Administrative Division, Post Office Box 53326, 701 Loyola Avenue, Room T-12017, New Orleans, La. 70113. Article: Scanning¹ electron microscope, model "Stereoscan". Manufacturer: Cambridge Scientific Instruments Co., Ltd., United Kingdom. Intended use of article: The article will be used for a wide variety of entomological investigations. Location and identification of insect sensory structures will be studied, as well as surface architecture of the insect integument, its pores, and membranes. Application received by Commissioner of Customs: October 16, 1969.

Docket No. 70-00260-33-46040. Applicant: University of Florida, Gainesville, Fla. 32601. Article: Electron microscope, Model HS-8. Manufacturer: Hitachi, Ltd., Japan. Intended use of article: The

article will be used in a course in electron microscopy. For teaching, the applicant requires an instrument that is simple and convenient to operate. In addition to the teaching program, the electron microscope will be used by graduate students for thesis and dissertation research. Application received by Commissioner of Customs: October 16, 1969.

Docket No. 70-00263-41-35550. Applicant: University of California, Santa Barbara, Santa Barbara, Calif. 93106. Article: Demonstration gyro. Manufacturer: Phylwe Aktiengesellschaft, West Germany. Intended use of article: The article will be used to demonstrate problems of nutation and precession due to wheel unbalance and gimbal masses. Application received by Commissioner of Customs: October 20, 1969.

Docket No. 70-00264-33-46040. Applicant: Massachusetts General Hospital, Fruit Street, Boston, Mass. 02114. Article: Electron microscope, Model 100B. Manufacturer: Japan Electron Optics Laboratory, Ltd., Japan. Intended use of article: The article will be used for long term on-going studies on the primary, secondary, and tertiary organization of structural macromolecules, principally collagen and myosin. Application received by Commissioner of Customs: October 20, 1969.

Docket No. 70-02265-33-46500. Applicant: University of Connecticut, Health Center, School of Medicine, Hartford Plaza, Hartford, Conn. 06105. Article: Ultramicrotome, LKB 8800. Manufacturer: LKB Produkter AB, Sweden. Intended use of article: The article will be used as a research tool in a biomedical laboratory concerned primarily with research in the cytology of the central nervous system. Application received by Commissioner of Customs: October 20, 1969.

Docket No. 70-00267-16-61800. Applicant: Whitehall-Copley School District, 3126 Lehigh Street, Whitehall, Pa. 18052. Article: Planetarium, Venus model. Manufacturer: Goto Optical Manufacturing Co., Japan. Intended use of article: The article will be used for precision sky and apparent sky simulation for educational and public programs including astronomy and navigation instruction. Application received by Commissioner of Customs: October 20, 1969.

Docket No. 70-00268-33-46040. Applicant: Tulane University, 6823 St. Charles Avenue, New Orleans, La. 70118. Article: Electron microscope, Model 300. Manufacturer: Philips Electron Instruments, The Netherlands. Intended use of article: The article will be used in research concerning the isolated intraerythrocytic viral particles, the reported transmission of the small protozoan, and an ultrastructural study of nematode gametes. Application received by Commissioner of Customs: October 20, 1969.

Docket No. 70-00269-99-46040. Applicant: Whittier College, 13406 East Philadelphia Street, Whittier, Calif. 90603. Article: Electron microscope, Model HS-8-1. Manufacturer: Hitachi, Ltd., Japan. Intended use of article: The article will function primarily as a teaching and training instrument for under-

graduate and graduate students in the biological sciences. As a teaching facility, it will be used in 13 biology courses as outlined by the applicant and, in a 2-week introductory training course in techniques of electron microscopy. As a research facility, it will be used by both graduate students and faculty. Application received by Commissioner of Customs: October 20, 1969.

Docket No. 70-00270-63-46500. Applicant: Western Illinois University, Macomb, Ill. 61455. Article: Ultramicrotome, Model "Om U2." Manufacturer: C. Reichert Optische Werke A.G., Austria. Intended use of article: The article will be used in a fine structure study of barley which is infected with the powdery mildew fungus, specifically the study concerning the events which occur in the initial penetration of the fungus into the host barley cell leading to fungal haustorial formation. Application received by Commissioner of Customs: October 21, 1969.

Docket No. 70-00271-33-46040. Applicant: Northwestern University Medical School, Chicago Wesley Memorial Hospital, 303 East Chicago Avenue, Chicago, Ill. 60611. Article: Electron microscope, Model EM 300. Manufacturer: N. V. Philips, The Netherlands. Intended use of

article: The article will be used for a number of biological research projects by faculty members of the university and the staff of the hospital. Projects include correlative chemical and electron microscope investigation of the various storage forms of iron, human tumors and myelinated nerve fibers. Application received by Commissioner of Customs: October 21, 1969.

Docket No. 70-00272-33-46040. Applicant: University of Virginia, School of Medicine, Charlottesville, Va. 22901. Article: Electron microscope, Model AEI EM 801. Manufacturer: Associated Electrical Industries Ltd., United Kingdom. Intended use of article: The article will be used for ultrastructural studies of nerve tissues. Studies of brain will focus on development of the cerebral cortex. Another project will be high resolution studies of membranes, microtubules, filaments, synapses, and myelin sheaths. Application received by Commissioner of Customs: October 21, 1969.

CHARLEY M. DENTON,
Assistant Administrator for Industry Operations, Business and Defense Services Administration.

[F.R. Doc. 69-13254; Filed, Nov. 6, 1969; 8:45 a.m.]

DEPARTMENT OF AGRICULTURE

Consumer and Marketing Service HUMANELY SLAUGHTERED LIVESTOCK

Identification of Carcasses; Changes in Lists of Establishments

Pursuant to section 4 of the Act of August 27, 1958 (7 U.S.C. 1904), and the statement of policy thereunder in 9 CFR 381.1, the lists (34 F.R. 13378, 14445, and 16634) of establishments which are operated under Federal inspection pursuant to the Federal Meat Inspection Act (21 U.S.C. 601 et seq.) and which use humane methods of slaughter and incidental handling of livestock are hereby amended as follows:

The reference to swine with respect to Broadway Packing Co., Inc., Establishment 2264, is deleted. The reference to calves with respect to Fort Plain Packing Co., Inc., Establishment 5074, is deleted. The reference to sheep with respect to White Packing Co., Establishment 6595, is deleted. The reference to cattle with respect to Western Meat Packers, Inc., Establishment 7028, is deleted.

The following table lists species at additional establishments and additional species at previously listed establishments that have been reported as being slaughtered and handled humanely.

Name of establishment	Establishment No.	Cattle	Calves	Sheep	Goats	Swine	Horses	Mules
Oakland Farms Packing Corp.	85	(*)						
Pawnee Packing Co.	270							
Pioneer Boneless Beef, Inc.	461A	(*)						
American Beef Packers, Inc.	860	(*)						
Northwest Packing Co.	2283	(*)						
Bob Evans Farms, Inc.	6785					(*)		
Metzger Packing Co., Inc.	7306	(*)				(*)		
Contris Packing Co.	7438					(*)		
New establishments reported: 8.								
Frisco Packing Co.	327	(*)						
Finberg Packing Co.	428					(*)		
Downs Packing, Inc.	520					(*)		
Greendell Packing Co.	542		(*)					
Frosty Morn Meats	731		(*)					
Siorlund Dressed Beef Co.	557F			(*)				
Walden Packing Co.	880		(*)					
Jack Agee & Co.	2281			(*)				
Ralph Packing Co., Inc.	6228		(*)					
Henshey Estates Abattoir	5388					(*)		
Mount Vernon Meat Co., Inc.	6039			(*)				

Species added: 11.

Done at Washington, D.C., on November 4, 1969.

G. H. Wise,
Deputy Administrator,
Consumer Protection.

[F.R. Doc. 69-13305; Filed, Nov. 6, 1969; 8:48 a.m.]

DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[Docket No. A-510]

DOUGLAS E. SWANBERG

Notice of Loan Application

NOVEMBER 3, 1969.

Douglas E. Swanberg, Box 296, Yakutat, Alaska 99689, has applied for a loan from the Fisheries Loan Fund to aid in financing the purchase of a used 35.0-foot registered length wood vessel to engage in the fishery for salmon.

Notice is hereby given pursuant to the provisions of Public Law 89-85 and Fisheries Loan Fund Procedures (50 CFR Part 250, as revised) that the above-entitled application is being considered by the Bureau of Commercial Fisheries, Fish and Wildlife Service, Department of the Interior, Washington, D.C. 20240. Any person desiring to submit evidence that the contemplated operation of such vessel will cause economic hardship or injury to efficient vessel operators already operating in that fishery must submit such evidence in writing to the Director, Bureau of Commercial Fisheries, within 30 days from the date of publication of this notice. If such evidence is received it will be evaluated along with such other evidence as may be available before making a determination that the contemplated operations of the vessel will or will not cause such economic hardship or injury.

C. E. PETERSON,
Chief,

Division of Financial Assistance.

[F.R. Doc. 69-13274; Filed, Nov. 6, 1969;
8:46 a.m.]

DEPARTMENT OF HEALTH,
EDUCATION, AND WELFARE

Food and Drug Administration

GIBBERELIC ACID

Notice of Establishment of Temporary
Tolerance for Pesticide Chemical

Notice is given that at the request of Amdal Co., Division of Abbott Laboratories, North Chicago, Ill. 60064, a temporary tolerance of 0.15 part per million is established for negligible residues of the plant regulator gibberellic acid in or on the raw agricultural commodity sugarcane. The Commissioner of Food and Drugs has determined that this temporary tolerance will protect the public health.

A condition under which this temporary tolerance is established is that the plant regulator will be used in accordance with the temporary permit issued by the U.S. Department of Agriculture. Distribution will be under the Amdal Co. name.

This temporary tolerance expires October 31, 1970.

This action is taken pursuant to the provisions of the Federal Food, Drug, and Cosmetic Act (sec. 408(j), 68 Stat. 512; 21 U.S.C. 346a(j)) and under authority delegated to the Commissioner (21 CFR 2.120).

Dated: October 31, 1969.

R. E. DUGGAN,
Acting Associate Commissioner
for Compliance.

[F.R. Doc. 69-13271; Filed, Nov. 6, 1969;
8:46 a.m.]

Office of Education

CONSTRUCTION OF ACADEMIC FACILITIES AND IMPROVEMENT OF UNDERGRADUATE INSTRUCTION

Promulgation of Allotment Ratios

Pursuant to both section 103 of the Higher Education Facilities Act of 1963, Public Law 88-204, 77 Stat. 363, which provides for grants for construction of academic facilities for public community colleges and technical institutes, and section 602 of the Higher Education Act of 1965, Public Law 89-329, 77 Stat. 1219, which provides for financial assistance for the improvement of undergraduate instruction, and on the basis of the average of the incomes per person of the States and of all the States for the three most recent consecutive calendar years for which satisfactory data are available from the Department of Commerce, the following allotment ratios for the States are hereby promulgated, effective with respect to the allotment of such funds as may be appropriated for the fiscal year ending June 30, 1970:

Alabama	0.6547
Alaska	.4156
Arizona	.5681
Arkansas	.6646
California	.4154
Colorado	.5069
Connecticut	.3733
Delaware	.4119
Florida	.5534
Georgia	.6020
Hawaii	.4769
Idaho	.5844
Illinois	.4041
Indiana	.4882
Iowa	.5015
Kansas	.5157
Kentucky	.6222
Louisiana	.6168
Maine	.5806
Maryland	.4560
Massachusetts	.4437
Michigan	.4535
Minnesota	.5110
Mississippi	.6667
Missouri	.5244
Montana	.5573
Nebraska	.5126
Nevada	.4157
New Hampshire	.5238
New Jersey	.4161
New Mexico	.6020
New York	.4060
North Carolina	.6196
North Dakota	.5950
Ohio	.4858
Oklahoma	.5839
Oregon	.5076
Pennsylvania	.4978

Rhode Island	.4820
South Carolina	.6559
South Dakota	.5912
Tennessee	.6245
Texas	.5696
Utah	.5799
Vermont	.5588
Virginia	.5593
Washington	.4548
West Virginia	.6328
Wisconsin	.5012
Wyoming	.5308
District of Columbia	.3445
American Samoa	.6667
Canal Zone	.....
Guam	.6667
Puerto Rico	.6667
Virgin Islands	.6667

Approved: November 3, 1969.

JAMES E. ALLEN, Jr.,
U.S. Commissioner of Education.

[F.R. Doc. 69-13288; Filed, Nov. 6, 1969;
8:47 a.m.]

Office of the Secretary
GENERAL COUNSEL ET AL.Delegation of Authority To Certify
True Copies

Under the authority vested in me by the Secretary, 34 F.R. 17346:

1. I hereby redelegate to the following the authority to certify true copies of any books, records, papers, or other documents on file within the Department, or extracts from such, to certify that true copies are true copies of the entire file of the Department, to certify the complete original record, or to certify the nonexistence of records on file within the Department, and to cause the Seal of the Department to be affixed to such certifications.

These same officials are authorized to cause the Seal to be affixed to agreements, awards, citations, diplomas, and similar documents.

To whom delegated	Area of Authority
General Counsel	Department.
Executive Officer, Office of the Secretary.	Office of the Secretary.
Administrator, Social and Rehabilitation Service.	Social and Rehabilitation Service.
Commissioner of Education.	Office of Education.
Commissioner of Social Security.	Social Security Administration.
Administrator, Consumer Protection and Environmental Health Service.	Consumer Protection and Environmental Health Service.
Administrator, Health Services and Mental Health Administration.	Health Services and Mental Health.
Director, National Institutes of Health.	National Institutes of Health.

This authority may be redelegated.

2. I also redelegate to the Administrative Assistant, Reviewing Authority (Civil Rights) Office of the Assistant Secretary for Administration, the authority as official custodian of the files in all matters pertaining to compliance proceedings under title VI of the Civil Rights Act and as such custodian the authority to certify true copies of any books, records, papers, or other documents of the

Department pertaining to such matters and to certify extracts from any such books, records, papers, or other documents on file within the Department as true extracts and to certify that true copies are true copies of the entire file of the Department in any such matters and to cause the Seal of the Department to be affixed to such certifications. This authority may not be redelegated.

3. Redelegations made under the previous redelegation of authority shall remain in effect until appropriate new redelegations are made.

Dated: November 1, 1969.

JAMES FARMER,
Assistant Secretary
for Administration.

[P.R. Doc. 69-13287; Filed, Nov. 6, 1969;
8:47 a.m.]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

[Notice 69-RD-1]

U.S. NATIONAL AVIATION STAND- ARD FOR THE VORTAC SYSTEM

Notice of Proposed Selection

The Federal Aviation Administration is considering adopting a selection order which establishes a U.S. National Aviation Standard for the VORTAC (VOR-TACAN-DME) System. This Standard defines the VORTAC system and the performance required of its components to the extent necessary to satisfy overall operational use requirements and provide compatibility between components of the system.

The vehicle used by the Federal Aviation Administrator for selection and adoption of a U.S. National Aviation Standard is a selection order. U.S. National Aviation Standards issued by the Administrator in selection orders are binding only on FAA. While not in themselves regulatory, U.S. National Aviation Standards may serve as the basis for subsequent rulemaking actions. With respect to selection orders, a notice of proposed selection is issued, as a matter of policy, in those instances where invitation of public comments is considered to be in the public interest. Such notice is not a notice of proposed rule making or other rulemaking action. With reference to any subsequent rulemaking action, the rulemaking procedures provide the opportunity for separate public comment on the proposed rulemaking.

The FAA recognizes that certain existing airborne components of the system do not fully conform to the standard. Since use of such components may impair services to other users of the airspace, degrade navigational accuracy or in other ways adversely affect operational use of the VORTAC system, the FAA may initiate rulemaking action to

achieve conformance with the standard after it is adopted.

Interested persons are invited to submit such written data and comments on the proposed selection order as they may desire. Communications should identify the notice number and be submitted in duplicate to: Director, Systems Research and Development Service, Attention: RD-54, Federal Aviation Administration, Department of Transportation, 800 Independence Avenue SW., Washington, D.C. 20590, on or before January 15, 1970. All comments submitted will be available for examination in Room 720, 800 Independence Avenue SW., Washington, D.C., before and after the closing date for comments.

The text of the proposed selection order and the embodied U.S. National Aviation Standard for the VORTAC system is as follows:

1. *Purpose.* This order establishes the VORTAC (VOR-TACAN-DME) standard which defines the performance required of the system and its components.

2. *Requirement.* VORTAC (VOR-TACAN-DME) is the primary short distance navigation aid used in the National Airspace System of air navigation and traffic control. Achievement of navigation system performance commensurate with the overall operational use requirements necessitates definition of the functional and performance characteristics required of the system and its components.

3. *Selection decision.* The U.S. National Aviation Standard for the VORTAC system described in paragraph 4 of this order is responsive to the requirement stated in paragraph 2 hereof and is hereby selected pursuant to section 312(c) of the Federal Aviation Act.

4. *Description.* The standard attached to this order defines those functional and operational characteristics of the VORTAC (VOR-TACAN-DME) system and its components which are required to satisfy overall operational use requirements and to provide compatibility between components of the system. For ground components, the standard identifies the functional, signal, and performance characteristics provided and with which all airborne components must operate as specified. For airborne components, the standard identifies signal characteristics, where applicable, and functional and performance characteristics which are necessary to satisfy system use requirements and to prevent impairment of services to other users of the airspace.

5. *Implementation criteria.* This standard applies to all VOR, TACAN, and DME ground and airborne components used in the National Airspace System.

6. *Directed action.* The standard covered by this order will be used by elements of the FAA to define the VORTAC (VOR-TACAN-DME) system to identify the functional and performance characteristics required of the system and its components. Subject to applicable rule making, programing, and budgetary procedures, action shall be taken, by the FAA elements concerned, to implement this selection in accordance with the foregoing implementation criteria or such modifications thereof as may be hereafter approved by or on behalf of the Federal Aviation Administrator.

This notice is issued under sections 307(b) and 312(c) of the Federal Aviation Act of 1958 (49 U.S.C. 1348(b) and 1353(c)).

Issued in Washington, D.C., on October 30, 1969.

J. D. CONERLY,
Acting Director, Systems Research
and Development Service.

U.S. NATIONAL AVIATION STANDARD FOR THE
VORTAC (VOR-TACAN-DME) SYSTEM

1. GENERAL

Under Public Law 85-726, the FAA (Federal Aviation Administration) is charged with providing for the regulation and promotion of civil aviation in such a manner as to best foster its development and safety, and to provide for the safe and efficient use of the airspace by both civil and military aircraft, and for other purposes. Explicitly, the Administrator shall develop, modify, test, and evaluate systems, procedures, facilities, and devices, as well as define the performance characteristics thereof, to meet the needs for safe and efficient navigation and traffic control of all civil and military aviation operating in a common Civil/Military System of Air Navigation and Traffic Control.

1.1 *The VORTAC (VOR-TACAN-DME) system characteristics.* Pursuant to 1, this standard defines the VOR (VHF Omnidirectional Radio Range)—TACAN (Tactical Air Navigation)—DME (Distance Measuring Equipment) system in the United States, its application and its performance characteristics. For ground components of the system, the material identifies the functional, signal, and performance characteristics provided and with which all airborne components of the system must operate as specified. For airborne components, the material identifies signal characteristics, where applicable, and functional and performance characteristics which are required to meet overall operational use requirements and to provide compatibility between components of the system.

The respective airborne component characteristics for VOR, TACAN, and DME apply in entirety to those components used in aircraft operations performed under IFR (Instrument Flight Rules). However, for other aircraft operations the applicability is limited to requirements as identified in sections 4 and 6 hereof which are essential to prevent impairment of services to other users of the airspace. It is recognized that certain existing components do not comply with all requirements of this standard. Since such components may impair services to other users of the system, degrade navigational accuracy or otherwise adversely affect operational use of the system, it is expected that use of nonconforming components will be discontinued as soon as practicable.

1.2 *Revisions.* This standard will be revised as needs of the National Airspace System warrant.

2. VOR-TACAN-DME SYSTEM DESCRIPTION

The VOR-TACAN-DME system is a short distance rho-theta air navigation system which provides properly equipped aircraft with bearing, identification, and distance information referenced to selected ground components. When the airborne component complement includes a suitable area navigation (RNAV) device operating from data derived from the system, nonradial routes are afforded in addition to those corresponding to radials from the selected ground component. The system provides all civil and military aviation with an aid to navigation for the safe and efficient conduct of aircraft operations, the safe and efficient exercise of air traffic control and the efficient utilization of airspace.

2.1 *Principal components of the system—*
2.1.1 *Ground components.* The principal

ground components, which produce and radiate signals as specified hereinafter, are: VOR providing ground to air communications and azimuth information to all civil aviation; TACAN providing azimuth information to military users and distance information to both civil and military users; and DME only providing distance information to all users of the airspace.

2.1.1.1 Facility type designations. Components comprising ground facilities of the system are identified in the Airman's Information Manual by type designations as follows to identify the type of service provided. VOR type designators are prefixed by the letter "B" when the component provides scheduled voice broadcasts, and are suffixed by the letter "W" when the component does not provide voice transmissions.

Designator	Type of facility
VOR.....	VHF navigational facility, omnidirectional, azimuth only.
DME.....	UHF navigational facility, distance only.
TACAN.....	UHF navigational facility, omnidirectional, azimuth, and distance.
VOR/DME.....	Associated VOR and DME navigational facilities.
VORTAC.....	Associated VOR and TACAN navigational facilities.

2.1.1.2 Facility operational classifications. Each ground facility is identified as to the normally anticipated interference-free service volume by one of the following classification letters applied in parentheses as a prefix to the applicable facility type designation. Such classification is without regard to the fact that the frequency-protected service volume, operational requirements and use limitations may vary between facilities at different locations, or that propagation anomalies, multipath propagation, and site conditions may alter the characteristics of ground component signals available to aircraft within the normally anticipated interference-free service volume.

Class	Normal usable altitudes and radius distance
H.....	Above 45,000 feet MSL and out to a radius of 100 nautical miles; From 18,000 feet to and including 45,000 feet MSL and out to a radius of 130 nautical miles;
L.....	From 14,500 feet to 18,000 feet and out to a radius of 100 nautical miles.
T.....	Up to 18,000 feet MSL and out to a radius of 40 nautical miles.
	Up to and including 12,000 feet MSL and out to a radius of 25 nautical miles.

H facilities also provide L and T service volumes and L facilities also provide T service volumes. To the extent that frequency protection is in accordance with 2.1.1.6 and to the extent that the respective minimum signal power densities of 3.3 and 5.3.2 are available to aircraft, facilities may also provide expanded operational service volumes which extend: (a) Beyond the normal service radius to not more than 110 nautical miles at MSL altitudes below 18,000 feet or 185 nautical miles at MSL altitudes above 18,000 feet; or (b) above the normal altitude; or both.

2.1.1.2.1 Vertical angle coverage limitations. Within the normally anticipated interference-free service volume of each facility, azimuth signal information permitting satisfactory performance of airborne components is normally provided from the radio horizon up to an elevation angle of not less than 60° for VOR components and not less than 40° for TACAN components. At higher

elevation angles the azimuth signal information may not be usable. Components providing distance information permit satisfactory performance of airborne components from the radio horizon to an elevation angle of not less than 60°.

2.1.1.3 Collocation of components. A VOR and either TACAN or DME shall be considered as associated components only when:

- Operated on a standard frequency pairing in accordance with 2.1.1.5;
- Collocated within the limits prescribed for associated facilities in 2.1.1.3.1; and
- Complying with the identification provisions of 2.1.1.7.2.2.

2.1.1.3.1 Collocation limits for associated components. When either TACAN or DME components are associated with a VOR, the components shall be collocated in accordance with the following:

(a) **Coaxial collocation.** The VOR and TACAN or DME antennas are located on the same vertical axis; or

(b) **Offset collocation.** (1) For those facilities used in terminal areas for approach purposes or other procedures where the highest position fixing accuracy of system capability is required, the separation of the VOR and DME or TACAN antennas will not exceed 100 feet. However, at Doppler VOR components the antennas will be separated by not more than 260 feet.

(2) For purposes other than those indicated in (1), the separation of the VOR and either DME or TACAN antennas will not exceed 2,000 feet.

With the exception of a Doppler VOR at which a TACAN antenna must be offset collocated, the standard is a coaxial collocation configuration.

2.1.1.4 Radiofrequency allocations. Radiofrequencies allocated for VOR, TACAN and DME are those correspondingly designated in Table A.

2.1.1.4.1 VOR radiofrequency assignments. Radiofrequency assignments shall be selected from the VOR channel frequencies listed in Table A.

NOTE: The implementation of VOR channels having frequencies ending in odd-twentieths of a MHz has not been planned; however, those channels may be used in the future.

2.1.1.4.2 DME and TACAN radiofrequency assignments. Radiofrequency assignments shall be selected from the DME and TACAN ground transponder channel frequencies listed in Table A. Channels 1 through 16 and 60 through 69 shall not be assigned to components of the common system.

NOTE: The implementation of DME and TACAN channels designated by the suffix "Y" has not been planned; however, those channels may be used in the future.

2.1.1.5 Radiofrequency channel pairing. When a DME or TACAN component is intended to operate in association with a VHF component in the 108.0 to 117.95 MHz frequency band, the DME or TACAN operating channel shall be paired with the VHF channel as given in Table A. Nonassociated VOR, TACAN, and DME components shall not be frequency paired in accordance with the standard pairing of Table A when the components provide overlapping frequency protected service volumes.

2.1.1.6 Radiofrequency interference protection. The usable distance and usable altitude of aeronautical navigation aids are determined by the protection from radiofrequency interference caused by cochannel or adjacent-channel components. Geographical separation of navigational aid components is used to provide this frequency protection from adjacent-channel and other cochannel assignments. The separation criterion takes into account the permissible deterioration in

ground component radiated power levels. The frequency-protected volume of airspace shall at least be as great as the published operational service volume limitations.

NOTE: The protection ratios stated in the following subparagraphs are based on the data, conditions and factors set forth for VOR and TACAN in the March 1967 Environmental Science Services Administration (ESSA) technical report IER 26-ITSA 26 entitled "Interference Predictions for VHF/UHF Air Navigation Aids."

2.1.1.6.1 Geographical separation of VOR frequency assignments. The following interference protection is provided, within the frequency-protected service volume, by geographical separation of VOR frequency assignments.

(a) The signal from an undesired cochannel component will not exceed -20 db of the signal from the desired component;

(b) The signal from an undesired first adjacent-channel component will not exceed the desired signal by more than +46 db;

(c) The signals from other than cochannel or first adjacent-channels will not exceed +60 db of the desired signal at any point which is above the radio horizon and within the operational service volume of the desired component.

2.1.1.6.2 Geographical separation of DME and TACAN frequency assignments. The following interference protection is provided, within the frequency-protected service volume, by geographical separation of DME and TACAN frequency assignments:

(a) The signal from an undesired cochannel component will not exceed -8 db of the signal from the desired component;

(b) The signal from an undesired first adjacent-channel component will not exceed the desired signal by more than +42 db;

(c) The signals from other than cochannel or first adjacent-channels will not exceed +50 db of the desired signal at any point which is above the radio horizon and within the operational service volume of the desired component.

2.1.1.6.3 Protection of components near Canadian and Mexican borders. In areas of the United States where facility congestion creates a problem, components near the U.S. border may not be frequency-protected in any airspace volume that lies beyond the U.S. border. However, expanded service volume protection will be provided wherever specific airways, routes, or procedures beyond the border are based on the component.

2.1.1.7 Component identification signals. Each ground component shall transmit an identification signal consisting of three letters in the form of International Morse Code transmitted at a rate of approximately seven words per minute. In addition, voice identification in accordance with 2.1.1.7.2.1 through 2.1.1.7.2.3 may be provided by a VOR.

2.1.1.7.1 Identification code characteristics. The identification code characteristics shall conform to the following:

(a) The dots shall be a time duration of 0.1 second to 0.125 second and the dashes 0.3 second to 0.375 second;

(b) The duration between dots and dashes of a code letter shall in each case be equal to that of one dot plus or minus 10 percent;

(c) The time duration between consecutive letters of the identification code group shall not be less than three dots; and

(d) The total period for transmission of an identification code group shall not exceed 5 seconds.

2.1.1.7.2 Identification cycle and synchronization. The repetition and synchronization of component identification signals shall conform to the following.

2.1.1.7.2.1 Independent components. Whenever a facility is operated as a VOR, a DME or TACAN only, its identification signal shall be transmitted as follows:

(a) For VOR providing code and voice identification signals, each 30-second interval is divided into four equal periods. The code identification signal shall be transmitted during alternate periods and, subject to 2.1.1.7.2.3, voice identification signals will occur during the remaining periods.

(b) For VOR providing only code identification signals, each 30-second interval is divided into five equal periods. The code identification shall be transmitted during each period.

(c) When voice communication signals are being transmitted by a VOR, the VOR code identification signals shall not be suppressed.

(d) For DME and TACAN the International Morse Code identification signal shall be repeated at intervals of 30 seconds.

2.1.1.7.2.2 *Associated components.* When in accordance with 2.1.1.3 a VOR and either a DME or TACAN are operated as associated components, the identification signals shall conform to the respective requirements of 2.1.1.7.2.1 except that:

(a) The identification letters shall be the same for each component;

(b) For VOR of 2.1.1.7.2.1(a), the DME or TACAN identification signal shall be transmitted during one of the periods allocated for VOR voice identification and the latter shall not be transmitted during that period;

(c) For VOR of 2.1.1.7.2.1(b), the DME or TACAN identification signal shall be transmitted during one of the periods allocated for VOR code identification and the latter shall not be transmitted during that period;

(d) The International Morse Code identification signals of VOR, DME, and TACAN shall be synchronized and interlocked such that simultaneous transmission will not occur; and

(e) When voice communications are being transmitted on the VOR, the code identification signals of DME and TACAN shall not be suppressed.

NOTE: Whenever one component is temporarily out of service, the remaining component, when operated, will transmit facility identification signals in accordance with 2.1.1.7.2.2 without regard to the facility type designation.

2.1.1.7.2.3 *Precedence of VOR voice communications.* VOR voice identification signals shall be suppressed for the duration of voice communications or broadcasts.

2.1.1.8 *VOR voice communication signals.* In accordance with the need for communications, a VOR may provide ground to air voice communications.

2.1.2 *Airborne components.* Airborne components of the system consist of a VOR component conforming to section 4 hereof and TACAN and DME components conforming to the applicable requirements of section 6 of this Standard.

2.2 *System traffic handling capacity.* Each VOR and TACAN ground component of the system provides azimuth and facility identification information to an unlimited number of airborne components. Under conditions in which interrogating TACAN and DME components are in the track mode of operation not less than 95 percent of the time, TACAN and DME ground components provide slant range distance information adequate for the peak traffic or 100 interrogators, whichever is the lesser.

2.3 *System azimuth accuracy.* System azimuth accuracy, expressed in terms of error, is a function of the error factors associated with the ground and airborne components. For purposes of defining these errors, the following terms are used with the meanings indicated.

(a) *Radial signal error (Eg).* Radial signal error is the difference between the nominal magnetic bearing to a point of measurement from the ground component and the bearing

indicated by the ground component signal at that same point. The radial signal error is made up of (1) certain stable elements such as course displacement and most site and terrain effect errors which may be considered as fixed for long periods of time, and (2) certain random variable errors which can be expected to vary about the essentially constant remainder. The radial signal error is associated with the ground component only and excludes other error factors.

(b) *Airborne component error (Ea).* Airborne component error is that error attributable to the inability of the equipment in the aircraft to translate correctly the bearing information contained in the radial signal. This element embraces all factors in the airborne component which introduces errors in the information presented to the pilot. (Errors resulting from the use of compass information in some VOR and TACAN displays are not included.)

(c) *Aggregate error (Es).* Aggregate error is the difference between the magnetic bearing to a point of measurement from the ground component and the bearing indicated by airborne components of stated accuracy. This is the error in the information presented to the pilot (exclusive of any errors resulting from use of compass information) taking into account not only the ground component and propagation path errors but also the error contributed by the airborne component and its instrumentation. The entire radial signal error, both fixed and variable, is used.

Since the errors of (a) and (b), when considered on a total system basis (not any individual radials or components) are independent variables, they may be combined by the root-sum-square (RSS) method to calculate aggregate system error (Es) when the same probability is given to each element. For purposes of this standard, each element is considered to have a 95 percent probability.

In practice, based on hundreds of thousands of accumulated data points, the radial signal error value (Eg) has been found to be $\pm 1.9^\circ$ (95 percent probability). Airways, routes and terminal area procedures in the United States are designed on the basis of a system use accuracy of $\pm 4.5^\circ$ (95 percent probability). To satisfy that operational use requirement, accuracies specified for airborne components in sections 4 and 6 hereof provide a nominal aggregate system azimuth error value (Es) of 3.5 degrees (95 percent probability). The aggregate system error value is derived as follows.

Radial Signal Error (Eg): $\pm 1.9^\circ$ (95 percent probability).

Airborne Component Error (Ea): $\pm 3.0^\circ$ (95 percent probability).

Aggregate System Error (Es) = $\sqrt{Eg^2 + Ea^2}$ (1)

$$= \sqrt{1.9^2 + 3.0^2} \quad (2)$$

$$= \sqrt{3.61 + 9.00} \quad (3)$$

$$= \sqrt{12.61} \quad (4)$$

(Rounded) = 3.5° (95 percent probability) (5)

With respect to the $\pm 4.5^\circ$ system use accuracy, the aggregate system error of $\pm 3.5^\circ$ allows a factor for error in utilization of the information presented to the pilot. This utilization error, which is an independent variable and is attributable to the fact that a pilot can not or does not keep the aircraft precisely centered on the radial or bearing presented, is strictly a pilotage error contribution and does not include presentation errors.

2.4 *System distance accuracy.* System distance accuracy is a function of the ground and airborne component accuracies. The component values in this Standard provide a system distance accuracy of ± 0.5 nautical mile or 3 percent of the slant range distance,

whichever is greater (95 percent probability) when the error values are combined by the root-sum-square method.

2.5 *Area navigation use accuracy.* When area navigation devices are used with inputs from components of the system, those devices, must be implemented in such a manner that route dimension requirements are not increased. Any errors introduced by area navigation devices may, therefore, necessitate a compensating reduction in other error elements.

2.6 *System functional and performance capabilities.* The functional and performance characteristics set forth in this standard are those needed to satisfy current system use and performance requirements. Many ground and airborne components used in the system afford accuracy values appreciably better than those stated in this standard. The VOR-TACAN-DME system is inherently capable of greater accuracies and additional functions to meet future needs for safe and efficient air navigation, traffic control, and utilization of the airspace.

3. OPERATIONAL CHARACTERISTICS FOR VOR GROUND COMPONENTS

The subparagraphs hereto identify standard signal characteristics and tolerances for VOR components of the system. Except as noted these characteristics represent the performance which shall normally be provided by each facility subject to limitations as noted under 2.1.1.2 and 2.1.1.6.

3.1 *Polarization.* The ground component antenna shall radiate horizontally polarized signals. Azimuth error in airborne components due to the vertically polarized component of the radiated signal will not exceed $\pm 2.0^\circ$ at aircraft attitudes encountered in normal operational use of the system.

3.2 *Radiofrequency accuracy.* The radiofrequency carrier shall be within ± 0.005 percent of the assigned channel frequency.

3.3 *Radiated power level.* The effective radiated power level shall not be less than that necessary to provide a signal power density of -111 dBW/m² at the minimum service altitude at the maximum specified operational service radius.

NOTE: At 118 MHz the value -111 dBW/m² corresponds to -114 dBW in an isotropic receiving antenna.

At the nearest aircraft position expected during flight, the maximum signal power density available to aircraft will be of the order of -34 dBW/m².

3.4 *Azimuth signal characteristics.* The VOR shall radiate a radiofrequency carrier with which are associated two separate 30 Hz modulations. One of these modulations shall be such that its phase is independent of the azimuth of the point of observation (reference phase). The other modulation (variable phase) shall be such that its phase at the point of observation differs from that of the reference phase by an angle equal to the magnetic bearing of the point of observation with respect to the VOR. The radiofrequency carrier as observed at any point in space shall be amplitude modulated by two signals in accordance with the following.

3.4.1 *Subcarrier frequency modulation.* One signal component shall be a subcarrier of 9,960 Hz of constant amplitude, frequency modulated at 30 Hz and having a deviation ratio of 16 ± 1 (i.e., 15 to 17) as follows:

(a) For the conventional VOR the 30 Hz component of the FM subcarrier is fixed without respect to azimuth and is termed the "reference phase".

(b) For the Doppler VOR the phase of the 30 Hz component varies with azimuth and is termed the "variable phase".

3.4.1.1 *Subcarrier frequency and accuracy.* The subcarrier modulation mid-frequency shall be 9,960 Hz within ± 1.0 percent.

3.4.1.2 *Subcarrier modulation frequency and accuracy.* The modulation frequency shall be 30 Hz within ± 1.0 percent.

3.4.1.3 *Subcarrier amplitude modulation.* Amplitude modulation of the subcarrier shall conform to the following:

(a) For the conventional VOR, the percentage of amplitude modulation of the 9,960 Hz subcarrier shall not exceed 5 percent.

(b) For the Doppler VOR, the percentage of amplitude modulation of the 9,960 Hz subcarrier shall not exceed 40 percent when measured at a point at least 1,000 feet from the VOR.

3.4.1.4 *Sideband level of subcarrier harmonics.* When 50 kHz VOR channel spacing is implemented, the sideband level of the harmonics of the 9,960 Hz component in the radiated signal shall not exceed the following levels referred to the level of the 9,960 Hz sideband:

Subcarrier	Level
9,960 Hz	0 dB reference.
2d harmonic	-30 dB.
3d harmonic	-50 dB.
4th harmonic	-60 dB.

3.4.2 *30 Hz amplitude modulation.* The other signal component shall be 30 Hz amplitude modulation as follows:

(a) For the conventional VOR, this component results from a rotating field pattern, the phase of which varies with azimuth, and is termed the "variable phase".

(b) For the Doppler VOR, this component, of constant phase with relation to azimuth and constant amplitude, is radiated omnidirectionally and is termed the "reference phase".

3.4.2.1 *Amplitude modulation frequency and accuracy.* The modulation frequency shall be 30 Hz within ± 1.0 percent.

3.4.3 *Depth of reference and variable phase modulations.* The depth of modulation of the radiofrequency carrier due to the 30 Hz or 9,960 Hz signals shall, for each signal, be within the limits of (a) 28 to 32 percent at all elevation angles from 0° to 5° above the horizon; and (b) 25 to 35 percent at all elevation angles between 5° and 60° above the horizon.

3.4.4 *Phase relationships of reference and variable phase signals.* The reference and variable phase modulations shall be in phase along the radial corresponding to magnetic north. The reference and variable phase modulations are in phase when the maximum value of the sum of the radiofrequency carrier and the sideband energy due to the amplitude modulation signal occurs at the same time as the highest instantaneous frequency of the frequency modulation signal.

3.4.5 *Radial signal characteristics.* Coverage, course alignment and structure characteristics are periodically examined through flight inspection to ascertain that radial signals conform to standards prescribed for the intended operational usage. However, no component is commissioned for unrestricted use unless radial signal errors are within prescribed limits.

3.4.5.1 *Ground test measurement.* When a ground test is made in the near field of the antenna for purposes of verifying the radial signal alignment accuracy, the measurement shall be made at not less than 8 points each of which are in the horizontal plane and at equal angular increments as referenced to the center of the antenna array. The requirements of the following subparagraph shall apply.

Note: Due to measurement limitations, the alignment error for Doppler VOR shall not be determined through ground test.

3.4.5.1.1 *Ground test tolerances.* The ground component shall meet the following tolerances when radial signal alignment accuracy is verified by ground tests.

(a) Monitor azimuth indication within a 15 minute period shall not vary more than 0.3°;

(b) Ground test error curves shall not deviate in excess of $\pm 1.0^\circ$ from the reference ground test error curve. The reference ground test error curve is the average of three successive error curves taken immediately following a basic altitude flight inspection. These curves shall not vary more than 0.3° from each other;

(c) The maximum error spread of any ground test error curve shall not exceed 2.0°; and

(d) The ground test error curves for each of dual equipments shall not deviate from each other by more than 1.0°.

3.5 *Code identification signal characteristics.* The characteristics of the code identification signal shall conform to the following.

3.5.1 *Tone modulation frequency and accuracy.* The modulation frequency shall be 1,020 Hz ± 50 Hz.

3.5.2 *Depth of modulation.* The depth to which the radiofrequency carrier is modulated by the code identification signal shall:

(a) Normally be 5.0 ± 1 percent at components where voice services are provided but shall not exceed 8.0 percent; and

(b) Be close to but not in excess of 10 percent at components where voice services are not provided.

3.6 *Voice identification and communications signal characteristics.* The characteristics of voice identification and voice communications signals, when provided, shall conform to the following.

3.6.1 *Voice channel frequency response.* Throughout the frequency range from 300 to 2,500 Hz, the frequency response characteristics for the voice channel shall be within 3 dB of the response at 1,000 Hz.

3.6.2 *Depth of modulation.* The depth to which the radiofrequency carrier is modulated by voice signals shall not be greater than 30 percent.

3.7 *Monitoring.* Continuous monitoring of the ground component shall be provided which causes the radiation of azimuth and identification signals to cease and a warning to be indicated at a control point when any one or a combination of the following fault conditions are sensed by the monitor:

(a) The bearing of the azimuth signal at the monitored radial changes by $\pm 1.0^\circ$ and all greater deviations from the normal value.

(b) The radiofrequency signal voltage level at the monitored radial of either the subcarrier or 30 Hz amplitude modulation signal components, or both, are reduced by 15 percent and all greater reductions from the normal value.

(c) The 1,020 Hz code identification tone signal is absent.

The faults of (a) and (b) may persist for a period not to exceed 15 seconds before radiation is interrupted. The fault of (c) may persist for an additional interval not to exceed 30 seconds before radiation is interrupted.

3.7.1 *Monitor failure.* When the continuity of transmitter signal radiation is under the control of monitor equipment, the absence of either monitor operating power or the monitored signals at the fault sensing circuits of the monitor shall automatically cause radiation of the transmitter signals to cease and result in a warning indication at a control point.

Note: A high degree of fail-safe monitoring is provided. However, completely fail-safe monitoring is not possible.

4. OPERATIONAL CHARACTERISTICS FOR VOR AIRBORNE COMPONENTS

Paragraphs hereunder specify in-use functional capability and performance characteristics required of VOR airborne compo-

ponents. The term "component", as used herein, includes the complete aircraft installation of all items, such as the antenna and its transmission line, the receiver, electrical power source(s), identification and voice communications signal reproduction devices, and selector and display instrumentation devices for bearing and course indication, which are necessary to provide the required functions and performance. All requirements apply to airborne components used in the performance of aircraft operations under IFR. For other aircraft operations the requirements are limited to those of this paragraph and 4.6. Components shall be capable of performing as specified throughout the advertised operational service volume of ground facilities in which use is intended and under all expected aircraft and airborne component operating conditions. The requirements shall be met under conditions in which the performance characteristics of ground components are in accordance with sections 2 and 3 of this standard.

4.1 *Receiver radiofrequencies.* For each channel in use, the center radiofrequency of the receiver shall be the corresponding ground facility frequency listed in Table A.

4.2 *Sensitivity to VOR signals.* Based on the signal power densities of 3.3, the airborne component shall provide sensitivity as necessary for the display of navigation information to the accuracy specified and for clear and distinct reproduction of communication and identification signals.

4.3 *Rejection of undesired signals.* The airborne component shall provide undesired signal rejection characteristics adequate to assure the specified performance. For co-channel and adjacent-channel signals, this requirement shall be met when the respective signals provide undesired to desired signal ratios up to the maximum values stated in 2.1.1.6.1.

4.4 *Facility identification and voice signals.* The airborne component shall provide the pilot with an intelligible and unambiguous signal which permits positive identification of the ground facility from which navigation information is displayed. The reproduction and aural level of voice signals shall be adequate to preserve and clearly convey to the pilot the intelligence transmitted by ground components.

4.5 *Bearing and aircraft position information.* The airborne component shall provide devices for unambiguous determination of the aircraft magnetic bearing with respect to each selected ground component and for display of the aircraft position with respect to each selected course.

4.5.1 *Course deviation indicator devices.* The response, readability, and resolution of course deviation indicator devices shall be such as to permit the pilot to determine the direction and extent of the aircraft deviation from the selected course.

4.5.2 *Warning function.* The airborne component shall provide a warning indication which is clearly evident to the pilot whenever azimuth signals necessary for the prescribed performance are not present.

4.5.3 *Accuracy of bearing and aircraft position information.* The total airborne component error in bearing and aircraft azimuth position information, as displayed to the pilot, shall not at any bearing exceed $\pm 3.0^\circ$ (95 percent probability).

4.6 *Radiation.* Radiation from airborne components shall not result in derogation of operational use of this system to other users or in the derogation of other aeronautical services.

5. OPERATIONAL CHARACTERISTICS FOR TACAN AND DME GROUND COMPONENTS

The subparagraphs hereto identify standard signal and performance characteristics

for TACAN and DME ground components of the system. These characteristics represent the performance which shall normally be provided by each component subject to limitations as noted under 2.1.1.2 and 2.1.1.6. Except where a designation of either TACAN or DME is used thus denoting that a requirement applies only to the designated component, requirements apply to both TACAN and DME components.

5.1 Polarization. The ground component antenna shall radiate and receive vertically polarized signals. TACAN azimuth error in airborne components due to the horizontally polarized component of the radiated signal will not exceed $\pm 2.0^\circ$ at aircraft attitudes encountered in normal operational use of the system.

5.2 Transponder response to interrogation signals. The response of the transponder to interrogation signals shall conform to the requirements of the following paragraphs.

NOTE: The presence at the ground component antenna of CW signals within a frequency band of ± 3.0 MHz with respect to the interrogation frequency in use and which have a signal power density of -113 dBW/m² and all higher values will normally derogate the performance of the component and the system.

5.2.1 Interrogation radio frequency. The receiver center frequency shall be the interrogation frequency from Table A appropriate to the assigned operating channel.

5.2.2 Sensitivity to interrogation signals. Transponder sensitivity shall be measured in terms of a triggering level which is defined as the peak pulse power level of the weakest interrogation signal measured at the input of the receiver which will cause the transponder to reply with a specified reply efficiency. For a reply efficiency of 70 percent, the sensitivity shall conform to the following.

NOTE: Ground components may not respond to interrogation as specified if the difference in level of the constituent pulses of interrogation pulse pairs is greater than 1 dB.

5.2.2.1 On-channel sensitivity. For interrogation signals within ± 100 kHz of the assigned channel frequency, which have a repetition rate not higher than 200 pulse pairs per second and which have spacings of the constituent pulses of a pair equal to the design center value for the channel in use, the sensitivity of the ground component shall be not less than -122 dBW (-101 dBW/m²) as referenced to a lossless isotropic radiator.

5.2.2.1.1 Sensitivity at other pulse spacings. Under conditions in which the spacing of the constituent pulses of interrogation pulse pairs vary from the design center value for the channel in use by as much as ± 0.5 microsecond, the sensitivity in the absence of other interrogations shall not be reduced by more than 1 dB.

5.2.2.1.2 Sensitivity variation with interrogation loading. The sensitivity shall not vary by more than 1 dB for interrogation loadings between 0 to 90 percent of the maximum for which the component was designed. When the interrogation loading exceeds 90 percent of the maximum design value, the sensitivity shall, for the duration of such loading, be reduced the minimum amount necessary to limit the reply pulse rate to the maximum design value.

5.2.2.2 Sensitivity to adjacent channel interrogation. Interrogation signals 900 kHz removed from the assigned channel interrogation frequency and having an amplitude up to 80 dB above the on-channel sensitivity of the component shall not trigger the transponder.

5.2.3 Transponder dead time. The transponder dead time immediately following the decoding of interrogation signal pulse pairs and during which the transponder will not

respond to other interrogation signals shall normally be 60 microseconds. However, dead time may be increased when necessary to satisfy system performance requirements.

5.3 Transponder output signal characteristics. The radiofrequency output signals of the transponder shall conform to the following.

5.3.1 Transmitter radiofrequency and accuracy. The transponder shall transmit on the reply frequency of Table A appropriate to the assigned channel. The radiofrequency of operation shall not vary more than ± 0.002 percent from the assigned frequency.

5.3.2 Radiated power level. The effective radiated power level at the peak of the RF pulse envelope shall not be less than that necessary to provide a signal power density of -86 dBW/m² at the minimum service altitude at the maximum service radius.

NOTE: At 1200 MHz, the value of -86 dBW/m² corresponds to -108.5 dBW in an isotropic antenna.

At the nearest aircraft position expected during flight, the maximum signal power density available to aircraft will be of the order of -17 dBW/m².

5.3.3 Radio frequency signal spectrum. The spectrum of the pulse modulated signal shall be such that during the pulse the effective radiated power contained in a 0.5 MHz band centered on frequencies 0.8 MHz above and 0.8 MHz below the nominal channel frequency in each case shall not exceed 200 milliwatts, and the effective radiated power contained in a 0.5 MHz band centered on frequencies 2.0 MHz above and 2.0 MHz below the nominal channel frequency shall not exceed 2.0 milliwatts. Any lobe of the spectrum shall be of less amplitude than the adjacent lobe nearer the nominal channel frequency.

5.3.4 Spurious radiation. During the interval between transmission of pulse pairs the power level of signals radiated by the ground component on any interrogation or reply frequency shall not exceed a level which is 50 dB below the maximum level during the pulses.

5.3.5 Pulse shape. The following shall apply to all radiated pulses.

5.3.5.1 Pulse rise time. The time required for the leading edge of the pulse to rise from 10 to 90 percent of its maximum voltage amplitude shall be nominally 2.5 microseconds, but shall not exceed 3.0 microseconds. The minimum rise time is governed by the spectrum requirements of 5.3.3.

5.3.5.2 Pulse top. The instantaneous amplitude of the pulse shall not, at any instant between the point on the leading edge which is 95 percent of the maximum voltage amplitude and the point on the trailing edge which is 95 percent of the maximum voltage amplitude, fall below a value which is 95 percent of the maximum voltage amplitude of the pulse.

5.3.5.3 Pulse duration. The pulse duration, as measured at the 50 percent maximum voltage amplitude points on the leading and trailing edge of the pulse, shall be 3.5 ± 0.5 microseconds.

5.3.5.4 Pulse decay time. The time required for the trailing edge of the pulse to decay from 90 to 10 percent of the maximum voltage amplitude shall nominally be 2.5 microseconds, but shall not exceed 3.0 microseconds. The minimum decay time is governed by the spectrum requirements of 5.3.3.

5.3.6 Pulse coding. Transponder output signals shall consist of paired pulses. The spacing of the constituent pulses of each pulse pair, as measured between the 50 percent maximum voltage amplitude points on the leading edge of each RF pulse, shall be:

(a) 12.0 ± 0.25 microseconds for channel numbers ending in the suffix "X"; or

(b) 30.0 ± 0.25 microseconds for channel numbers ending in the suffix "Y".

5.3.7 Pulse power variation. The peak power of the constituent pulses of any pair shall not differ by more than 1 dB.

5.3.8 Distance reply signals. Distance reply signals shall consist of pulse pairs which, in accordance with the following, are transmitted in response to interrogations.

5.3.8.1 Reply efficiency. Reply efficiency is defined as the percentage of interrogations to which the transponder replies under specified load conditions. Except when limited by receiver dead time, the reply efficiency for interrogation signals at and above the minimum sensitivity levels of 5.2.2 shall be at least 70 percent for all values of interrogation loading up to the maximum for which the transponder is designed.

5.3.8.2 Reply delay time. Reply delay time is defined as the time in microseconds of all delay introduced by the transponder component in transmitting a pair of reply pulses in response to an interrogation signal. When airborne components are to indicate distance with respect to the transponder site, the zero-distance reply delay time shall be 50.0 microseconds as measured between the 50 percent voltage point on the leading edge of the second constituent RF pulse of the interrogation pulse pair and the corresponding point on the second constituent RF pulse of the reply pulse pair. When airborne components are to indicate distance to a point which is remote from the transponder site, the 50.0 microsecond time delay shall be reduced by a value corresponding to the offset distance.

NOTE: As referenced to the first constituent RF pulse of interrogation and reply pulse pairs, reply delay times of (a) 50.0 microseconds for "X" channels and (b) 56.0 microseconds for "Y" channels are considered to be equivalent to the 50.0 microsecond value stated above for timing referenced to the second pulse of the respective pairs.

5.3.9 Random pulse pair signals. In addition to distance reply pulse pairs, the ground component shall radiate randomly occurring pulse pairs in a quantity as necessary to maintain a total pulse pair rate in accordance with the following.

5.3.9.1 DME components. For ground components providing DME service only, the total pulse pair rate, exclusive of code identification signal pulses, shall be of a value between the limits of 700 to 2,850 pulse pairs per second.

5.3.9.2 TACAN components. For TACAN ground components, the total pulse pair rate, exclusive of code identification signal and reference burst pulses, shall be $2,700 \pm 90$ pulse pairs per second. For a transponder dead time of 60 microseconds, the distribution of random pulse pairs shall conform to Figure 1.

5.3.10 Distance accuracy. Exclusive of reply delay time errors resulting from variation in the level of interrogation signals, the ground component shall not contribute more than ± 0.25 microsecond to overall system error.

5.3.11 Code identification signal characteristics. Subject to the provisions of 5.3.11.1, Code identification signals shall consist of groups of two pulse pairs transmitted for the duration of dots and dashes in accordance with 2.1.1.7.1. The spacing between the first and second pulse pairs constituting each pulse group, as measured between the 50 percent voltage amplitude points on the leading edge of the first pulse of each pair, shall be 100 ± 10 microseconds. The repetition rate shall conform to the following.

5.3.11.1 DME components. For ground components providing DME service only, the identification signal may consist of groups of either one or two pulse pairs. The repetition rate shall be $1,350 \pm 10$ groups per second.

5.3.11.2 *TACAN components.* For TACAN ground components, the repetition rate shall be $1,350 \pm 0.23$ percent groups per second which are phase-locked within ± 50.0 microseconds of the 10th harmonic of the 135 Hz reference bearing signal. The first pulse of each identification signal pulse group shall occur 740 ± 50 microseconds after the first pulse of each 40° sector reference signal.

5.3.12 *TACAN azimuth signal characteristics.* TACAN azimuth signals consist of north (main) and 40° sector (auxiliary) bearing reference signals and 15 Hz (coarse) and 135 Hz (fine) variable bearing signals. The azimuth signals radiated by the antenna shall conform to the following.

5.3.12.1 *Bearing reference signals.* Transmission of the north and 40° sector reference signals shall occur synchronously with antenna pattern rotation. For each consecutive complete rotation of the antenna pattern, one north reference signal shall be transmitted and followed at each of eight consecutive angular increments of 40° by the transmission of a 40° sector reference signal. A ninth 40° sector reference signal, which otherwise would coincide in time with the north reference signal, shall not be transmitted. The characteristics of reference signals shall be as follows.

5.3.12.1.1 *North reference signal.* The north reference signal shall consist of:

(a) A group of 12 pulse pairs having a spacing of the constituent pulses of a pair in accordance with 5.3.6(a) and a pulse pair spacing, as measured between the 50 percent voltage amplitude points on the leading edge of the first pulse of each pair, of 30.0 ± 0.3 microseconds for channel numbers ending in the suffix "X"; or

(b) A group of 13 single pulses having a spacing, as measured between the 50 percent voltage amplitude points on the leading edge of consecutive pulses, of 30.0 ± 0.3 microseconds for channel numbers ending in the suffix "Y".

5.3.12.1.2 *40° sector reference signal.* The 40° sector reference signal shall consist of:

(a) A group of six pulse pairs having a spacing of the constituent pulses of a pair in accordance with 5.3.6(a) and a pulse pair spacing, as measured between the 50 percent voltage amplitude points on the leading edge of the first pulse of each pair, of 24.0 ± 0.25 microseconds for channel numbers ending in the suffix "X"; or

(b) A group of 13 single pulses having a spacing, as measured between the 50 percent voltage amplitude points on the leading edge of consecutive pulses, of 15.0 ± 0.25 microseconds for channel numbers ending in the suffix "Y".

5.3.12.2 *Variable bearing signals.* The variable bearing signals shall be a rotating directional antenna pattern which produces a composite amplitude modulation of the transponder radio frequency pulse signals at 15 and 135 Hz. The characteristics of the variable bearing signals shall be as follows.

5.3.12.2.1 *Amplitude modulation frequencies and accuracy.* The amplitude modulation frequencies shall nominally be 15.0 and 135.0 Hz. Each frequency shall vary from the nominal value in exact synchronism with the antenna pattern rotation rate.

5.3.12.2.1.1 *Antenna pattern rotation rate.* The antenna radiation pattern shall rotate in a clockwise direction as viewed from above at a rate of 15.0 revolutions per second ± 0.23 percent.

5.3.12.2.2 *Depth of modulation.* Within the vertical angle from 0° to 40° above the horizon, the normal range of 15 and 135 Hz modulation depths produced by the antenna will be 21 ± 9 percent for each frequency with a sum for both frequencies equal to or less than 55 percent. At elevation angles between 40° and 50° above the horizon, 15 Hz

modulation depths will be within the range from 7 to 35 percent and 135 Hz modulation depths will be within the range from 7 to 45 percent. However, the sum of depths for both frequencies will not exceed 65 percent.

5.3.12.2.3 *Harmonic content.* At all angles from 0° to 45° above the horizon:

(a) The root-sum-square of the second through the seventh harmonics of the 15 Hz signal component will not exceed 30 percent of the 15 Hz modulation coefficient; and

(b) The root-sum-square of the second through the fourth harmonics of the 135 Hz signal component will not exceed 20 percent of the 135 Hz modulation coefficient.

5.3.12.3 *Relationships of reference and variable bearing signals.* On the magnetic north radial from the antenna, the relationships of the reference and variable bearing signals shall conform to the requirements of the subparagraphs hereto.

5.3.12.3.1 *Coarse bearing signal.* The negative slope point of inflection of the 15 Hz amplitude modulation component shall coincide within ± 2.0 azimuth degrees of:

(a) The 10th pulse of the north reference signal for channels ending in the suffix "X"; or

(b) The sixth pulse of the north reference signal for channels ending in the suffix "Y".

5.3.12.3.2 *Fine bearing signal.* The negative slope point of inflection of the 135 Hz amplitude modulation component shall coincide within ± 0.33 azimuth degrees of the average position of:

(a) The 12th pulse of the 40° reference signal for channels ending in the suffix "X"; or

(b) The 11th pulse of the 40° reference signal for channels ending in the suffix "Y".

5.3.12.4 *Radial signal characteristics.* Coverage, course alignment, and structure characteristics are periodically examined through flight inspection to ascertain that radial signals conform to standards prescribed for the intended operational usage. However, no component is commissioned for unrestricted use unless radial signal errors are within prescribed limits.

5.3.13 *Precedence of pulse transmissions.* The order of precedence for transmission of transponder pulse signals shall be in accordance with the following.

5.3.13.1 *DME components.* For ground components providing DME service only, the precedence shall be:

1. Code Identification Signals;
2. Distance Reply Signals; and
3. Random Pulse Pair Signals.

Neither distance reply or random pulse pair signals shall be transmitted during the "key-down" interval of code identification signal transmissions.

5.3.13.2 *TACAN components.* For TACAN components, the precedence shall be:

1. Bearing Reference Signals;
2. Code Identification Signals;
3. Distance Reply Signals; and
4. Random Pulse Pair Signals.

Neither code identification, distance reply or random pulse pair signals shall be transmitted during the interval required for transmission of all pulses in each bearing reference signal. Distance reply and random pulse pair signals shall not be transmitted during the "key-down" interval of code identification signal transmission.

5.4 *Monitoring.* Continuous monitoring of the ground component shall be provided which causes the radiation of transponder output signals to cease and a warning to be indicated at a control point when any one or a combination of the fault conditions identified in the subparagraphs hereto are sensed by the monitor.

5.4.1 *DME and TACAN components.* For DME and TACAN components, a fault condition shall exist when:

(a) The reply efficiency of the transponder to monitor interrogation signals at the minimum sensitivity level of 5.2.2.1 is less than 60 percent.

(b) The reply delay time of the transponder to monitor interrogation signals differs from the assigned value by ± 1.0 microsecond and all greater values.

(c) The spacing of the constituent pulses of transponder output signal pulse pairs differs from the design center value of 5.3.6 by 1.0 microsecond and all greater values.

(d) The radiated power level of transponder output signals decreases from the normal level by 3 dB and all greater reductions.

(e) The code identification signal of 2.1.1.7.

(1) Is transmitted as a continuous tone (i.e., signals not in the form of dots or dashes) for a period of 5 seconds or more; or

(2) Is not repeated within a nominal period of 75 seconds from the last transmission.

The faults of (a) through (e-1) may persist for a period not to exceed 8 seconds before radiation is interrupted. For fault (e-2) radiation shall be interrupted upon expiration of the 75-second period.

Note: When radiation of signals commences, monitor action to interrupt radiation in the event of a fault may be delayed for approximately 40 seconds from the time radiation begins.

5.4.2 *TACAN components.* In addition to the conditions of 5.4.1, a fault condition shall exist when:

(a) The sum of distance reply and randomly occurring pulse pairs deviates from the design center value of 5.3.9.2 by more than ± 150 pulse pairs per second.

(b) The number of pulse pairs in either the north or 40° reference signals, or both, are one or more pairs less than the numbers respectively specified in paragraphs 5.3.12.1.1 and 5.3.12.1.2.

(c) The fine bearing signal at the monitored radial changes by $\pm 1.0^\circ$ and all greater deviations from the correct value.

(d) The antenna pattern rotation rate differs from the design center value of 5.3.12.2.1.1 by a value greater than ± 0.23 percent.

The faults of (a), (b), and (c) may persist for a period not to exceed 8 seconds before radiation is interrupted. Fault (d) may persist for not more than 20 seconds before radiation is interrupted.

Note 1: When radiation of signals commences, monitor action to interrupt radiation in the event of a fault may be delayed for approximately 40 seconds from the time radiation begins.

Note 2: After the monitor has sensed one or more of the above faults, radiation may be restored to provide only distance and identification signals.

5.4.3 *Monitor failure.* When the continuity of transponder signal radiation is under the control of monitor equipment the absence of either monitor operating power or the monitored signals at the fault sensing circuits of the monitor shall automatically cause radiation of the transponder signals to cease and result in a warning indication at a control point.

Note: A high degree of fail-safe monitoring is provided. However, completely fail-safe monitoring is not possible.

6. OPERATIONAL CHARACTERISTICS FOR TACAN AND DME AIRBORNE COMPONENTS

Paragraphs hereunder specify in-use functional capability and performance characteristics required of DME and TACAN airborne components. The term "component" as used herein, includes the complete aircraft installation of all items, such as the

antenna and its transmission line, the interrogator-receiver, electrical power source(s), identification signal reproduction or display devices, distance indicator and, when applicable, selector and display instrumentation devices for bearing and course indication, which are necessary to provide the required functions and performance.

All requirements apply to airborne components used in the performance of aircraft operations under IFR. For other aircraft operations the requirements are limited to those of this paragraph and paragraphs 6.1.4, 6.1.4.1, and 6.1.7. Except where a designation of either DME or TACAN is used, thus denoting that the requirement applies only to the designated component, requirements apply to both DME and TACAN components. Components shall be capable of performing as specified throughout the advertised operational service volume of ground facilities in which use is intended and under all expected aircraft and airborne component operating conditions. The requirements shall be met under conditions in which the performance characteristics of ground components are in accordance with sections 2 and 5 of this standard.

6.1 Interrogator signal characteristics. The subparagraphs hereto identify interrogation signal characteristics and tolerances therefor which are applicable to the radiated radiofrequency signal.

6.1.1 Interrogation radio frequencies and accuracy. The interrogator shall transmit interrogation signals on the frequency appropriate to the channel in use. For each channel in use, the center radiofrequency of the interrogation signal shall be within ± 100 kHz of the channel interrogation frequency listed in Table A.

6.1.2 Pulse shape. The radiofrequency pulse envelope shall have a shape as follows.

6.1.2.1 Pulse rise time. The time required for the leading edge of the pulse to rise from 10 to 90 percent of its maximum voltage amplitude shall be nominally 2.5 microseconds, but shall not exceed 3.0 microseconds. The minimum rise time is governed by the spectrum requirements of 6.1.6.

6.1.2.2 Pulse top. The instantaneous amplitude of the pulse shall not, at any instant between the point on the leading edge which is 95 percent of the maximum voltage amplitude and the point on the trailing edge which is 95 percent of the maximum voltage amplitude, fall below a value which is 95 percent of the maximum voltage amplitude of the pulse.

6.1.2.3 Pulse duration. The pulse duration, as measured at the 50 percent maximum voltage amplitude, points on the leading and trailing edges of the pulse, shall be 3.5 ± 0.5 microseconds.

6.1.2.4 Pulse decay time. The time required for the trailing edge of the pulse to fall from 90 to 10 percent of the maximum voltage amplitude shall nominally be 2.5 microseconds, but shall not exceed 3.5 microseconds. The minimum decay time is governed by the spectrum requirements of 6.1.6.

6.1.3 Pulse coding. Interrogation signals shall consist of paired pulses. The spacing of the constituent pulses of each pulse pair, as measured between the 50 percent maximum voltage amplitude points on the leading edge of each RF pulse, shall be:

- (a) 12.0 ± 0.5 microseconds for channel numbers ending in the suffix "X"; or
(b) 36.0 ± 0.5 microseconds for channel numbers ending in the suffix "Y".

6.1.4 Interrogation signal repetition rate. The interrogator average pulse pair repetition rate shall not exceed 30 pairs of pulses per second based on the assumption that at least 95 percent of the time is occupied for tracking reply signals. The repetition rate may be increased during search for replies, but the maximum repetition rate shall not exceed 150 pairs of pulses per second.

6.1.4.1 Variation of repetition rate. The variation in time between successive pairs of interrogation pulses shall be sufficient to preclude the airborne component from locking on to distance reply pulses intended for another airborne component tuned to the same ground facility, and to preclude capture of the interrogations of one interrogator within the ground facility transponder dead time caused by the interrogations of other interrogators.

6.1.5 Radiated power level. The effective radiated power level at the peak of the RF pulse envelope shall not be less than that necessary, under line of sight conditions, to provide a signal power density of -101 dBW/m² (95 percent probability) at the ground component antenna. The design center effective radiated power level, as referenced to an isotropic radiator, shall not exceed a value of $+33$ dBW.

Note: EIRP levels higher than $+33$ dBW may impair system performance.

6.1.6 Radiofrequency signal spectrum. The spectrum of the RF interrogation signal shall be such that at least 90 percent of the energy in each pulse shall be within a 0.5 MHz band centered on the nominal channel frequency.

6.1.7 Spurious radiation. At all frequencies between 950 and 1215 MHz, the level of radiated CW signals, as referenced to an isotropic radiator, shall not exceed -60 dBW. Spurious radiation from airborne components shall not result in derogation of operational use of this system to other users or in the derogation of other aeronautical services.

6.2 Component functional capabilities and performance. The subparagraphs hereto identify functional and operational performance requirements applicable to the airborne component.

6.2.1 Receiver radiofrequencies. For each channel in use, the center radiofrequency of the receiver shall be the corresponding ground component reply frequency listed in Table A.

6.2.2 Sensitivity to ground component signals. Based on the signal power densities of 5.3.2, the airborne component shall provide sensitivity as necessary for the acquisition and display of navigation information to the accuracy specified and for clear and distinct reproduction of identification signals.

6.2.3 Rejection of undesired signals. The airborne component shall provide undesired signal rejection characteristics adequate to assure the specified performance. For co-channel and adjacent-channel signals, this requirement shall be met when the respective signals provide undesired to desired signal ratios up to the maximum values stated in 2.1.1.6.2. When the maximum range capability of the airborne component is such as to permit receipt of two cochannel signals within the frequency protected service volume of a selected ground component and when one cochannel signal is 8 dB or greater in amplitude than the other, the navigation information provided shall be that of the stronger signal and a positive identification signal shall be provided to identify the ground component from which navigational information is provided.

6.2.4 Distance information. The airborne component shall function to measure and display the distance in nautical miles between the aircraft and the selected ground component.

6.2.4.1 Warning function. The airborne component shall provide an indication which is clearly evident to the pilot whenever the airborne component is either not tracking a distance reply signal or is not in memory.

6.2.4.2 Accuracy of distance information. When the airborne component error is combined by root-sum-square with a ground component error of 0.1 nautical miles, the total error in slant range distance information, as displayed to the pilot, shall not (ex-

cept during memory) exceed ± 0.5 nautical miles or 3 percent of the actual distance, whichever is greater (95 percent probability).

6.2.4.3 Memory function. The airborne component shall provide a memory function which upon loss of a suitable reply signal while tracking, will cause continuation of the display of distance information for a period not to exceed 15 seconds. The minimum distance memory shall be sufficient to cover the loss of distance reply signals during transmission of the ground component identification signal. The distance displayed during memory shall be within the range between ± 1.0 nautical miles of the last indicated distance and ± 1.0 nautical miles of the distance indicated upon resumption of the tracking function on the same signal.

6.2.5 Tacan bearing and aircraft position information. The airborne component shall provide devices for unambiguous determination of the aircraft magnetic bearing with respect to each selected ground component and for display of the aircraft position with respect to each selected course.

6.2.5.1 Course deviation indicator devices. The response, readability and resolution of course deviation indicator devices shall be such as to permit the pilot to determine the direction and extent of the aircraft deviation from the selected course.

6.2.5.2 Warning function. The airborne component shall provide a warning indication which is clearly evident to the pilot whenever the azimuth signals necessary for the prescribed operation of the component are not present and when the component is not operating in memory.

6.2.5.3 Accuracy of bearing and aircraft position information. The total airborne component error in bearing and aircraft azimuth position information, as displayed to the pilot, shall not at any bearing exceed $\pm 3.0^\circ$ (95 percent probability).

TABLE A

VOR-TACAN-DME CHANNEL FREQUENCIES AND PAIRINGS

DME-TACAN channel No.	VHF channel frequency MHz	DME-TACAN interrogation frequency MHz	DME-TACAN transponder reply frequency MHz
1X		1025	967
1Y		1025	1088
2X		1026	963
2Y		1026	1089
3X		1027	959
3Y		1027	1090
4X		1028	955
4Y		1028	960
5X		1029	1092
5Y		1029	957
6X		1030	1093
6Y		1030	953
7X		1031	1094
7Y		1031	959
8X		1032	1095
8Y		1032	970
9X		1033	1096
9Y		1033	971
10X		1034	1097
10Y		1034	967
11X		1035	1098
11Y		1035	973
12X		1036	1099
12Y		1036	974
13X		1037	1100
13Y		1037	975
14X		1038	1101
14Y		1038	976
15X		1039	1102
15Y		1039	977
16X		1040	1103
16Y		1040	978
17X	108.0 VOR	1041	1104
17Y	108.0 VOR	1042	979
18X	108.1 ILS	1042	1105
18Y	108.1 ILS	1043	980
19X	108.2 VOR	1043	1106
19Y	108.2 VOR	1044	981
20X	108.3 ILS	1044	1107
20Y	108.3 ILS	1044	

108.0 MHz is not scheduled for facilities. The frequencies of channel 17X are assigned to facilities for testing airborne system components.

TABLE A—Continued
FOR TACAN-DME CHANNEL FREQUENCIES
AND PAIRING

DME-TACAN channel No.	VHF channel frequency MHz	DME-TACAN interrogation frequency MHz	DME-TACAN transponder reply frequency MHz
2X	108.4 VOR	1045	982
3Y	108.45 VOR	1045	1105
2X	108.5 ILS	1046	983
2Y	108.55 ILS	1046	1109
2X	108.6 VOR	1047	984
3Y	108.65 VOR	1047	1110
2X	108.7 ILS	1048	985
3Y	108.75 ILS	1048	1111
2X	108.8 VOR	1049	986
3Y	108.85 VOR	1049	1112
2X	108.9 ILS	1050	987
3Y	108.95 ILS	1050	1113
2X	109.0 VOR	1051	988
2Y	109.05 VOR	1051	1114
2X	109.10 ILS	1052	989
2Y	109.15 ILS	1052	1115
2X	109.20 VOR	1053	990
3Y	109.25 VOR	1053	1116
3X	109.30 ILS	1054	991
3Y	109.35 ILS	1054	1117
3X	109.40 VOR	1055	992
3Y	109.45 VOR	1055	1118
3X	109.50 ILS	1056	993
3Y	109.55 ILS	1056	1119
3X	109.60 VOR	1057	994
3Y	109.65 VOR	1057	1120
3X	109.70 ILS	1058	995
3Y	109.75 ILS	1058	1121
3X	109.80 VOR	1059	996
3Y	109.85 VOR	1059	1122
3X	109.90 ILS	1060	997
3Y	109.95 ILS	1060	1123
3X	110.00 VOR	1061	998
3Y	110.05 VOR	1061	1124
3X	110.10 ILS	1062	999
3Y	110.15 ILS	1062	1125
3X	110.20 VOR	1063	1000
3Y	110.25 VOR	1063	1126
3X	110.30 ILS	1064	1001
3Y	110.35 ILS	1064	1127
3X	110.40 VOR	1065	1002
3Y	110.45 VOR	1065	1128
3X	110.50 ILS	1066	1003
3Y	110.55 ILS	1066	1129
3X	110.60 VOR	1067	1004
3Y	110.65 VOR	1067	1130
3X	110.70 ILS	1068	1005
3Y	110.75 ILS	1068	1131
3X	110.80 VOR	1069	1006
3Y	110.85 VOR	1069	1132
3X	110.90 ILS	1070	1007
3Y	110.95 ILS	1070	1133
3X	111.00 VOR	1071	1008
3Y	111.05 VOR	1071	1134
3X	111.10 ILS	1072	1009
3Y	111.15 ILS	1072	1135
3X	111.20 VOR	1073	1010
3Y	111.25 VOR	1073	1136
3X	111.30 ILS	1074	1011
3Y	111.35 ILS	1074	1137
3X	111.40 VOR	1075	1012
3Y	111.45 VOR	1075	1138
3X	111.50 ILS	1076	1013
3Y	111.55 ILS	1076	1139
3X	111.60 VOR	1077	1014
3Y	111.65 VOR	1077	1140
3X	111.70 ILS	1078	1015
3Y	111.75 ILS	1078	1141
3X	111.80 VOR	1079	1016
3Y	111.85 VOR	1079	1142
3X	111.90 ILS	1080	1017
3Y	111.95 ILS	1080	1143

TABLE A—Continued
FOR TACAN-DME CHANNEL FREQUENCIES
AND PAIRING

DME-TACAN channel No.	VHF channel frequency MHz	DME-TACAN interrogation frequency MHz	DME-TACAN transponder reply frequency MHz
57X	112.00 VOR	1081	1018
57Y	112.05 VOR	1081	1144
58X	112.10 VOR	1082	1019
58Y	112.15 VOR	1082	1145
59X	112.20 VOR	1083	1020
59Y	112.25 VOR	1083	1146
60X		1084	1021
60Y		1084	1147
61X		1085	1022
61Y		1085	1148
62X		1086	1023
62Y		1086	1149
63X		1087	1024
63Y		1087	1150
64X		1088	1025
64Y		1088	1151
65X		1089	1026
65Y		1089	1152
66X		1090	1027
66Y		1090	1153
67X		1091	1028
67Y		1091	1154
68X		1092	1029
68Y		1092	1155
69X		1093	1030
69Y		1093	1156
70X	112.30 VOR	1094	1031
70Y	112.35 VOR	1094	1157
71X	112.40 VOR	1095	1032
71Y	112.45 VOR	1095	1158
72X	112.50 VOR	1096	1033
72Y	112.55 VOR	1096	1159
73X	112.60 VOR	1097	1034
73Y	112.65 VOR	1097	1160
74X	112.70 VOR	1098	1035
74Y	112.75 VOR	1098	1161
75X	112.80 VOR	1099	1036
75Y	112.85 VOR	1099	1162
76X	112.90 VOR	1100	1037
76Y	112.95 VOR	1100	1163
77X	113.00 VOR	1101	1038
77Y	113.05 VOR	1101	1164
78X	113.10 VOR	1102	1039
78Y	113.15 VOR	1102	1165
79X	113.20 VOR	1103	1040
79Y	113.25 VOR	1103	1166
80X	113.30 VOR	1104	1041
80Y	113.35 VOR	1104	1167
81X	113.40 VOR	1105	1042
81Y	113.45 VOR	1105	1168
82X	113.50 VOR	1106	1043
82Y	113.55 VOR	1106	1169
83X	113.60 VOR	1107	1044
83Y	113.65 VOR	1107	1170
84X	113.70 VOR	1108	1045
84Y	113.75 VOR	1108	1171
85X	113.80 VOR	1109	1046
85Y	113.85 VOR	1109	1172
86X	113.90 VOR	1110	1047
86Y	113.95 VOR	1110	1173
87X	114.00 VOR	1111	1048
87Y	114.05 VOR	1111	1174
88X	114.10 VOR	1112	1049
88Y	114.15 VOR	1112	1175
89X	114.20 VOR	1113	1050
89Y	114.25 VOR	1113	1176
90X	114.30 VOR	1114	1051
90Y	114.35 VOR	1114	1177
91X	114.40 VOR	1115	1052
91Y	114.45 VOR	1115	1178
92X	114.50 VOR	1116	1053
92Y	114.55 VOR	1116	1179

TABLE A—Continued
FOR TACAN-DME CHANNEL FREQUENCIES
AND PAIRING

DME-TACAN channel No.	VHF channel frequency MHz	DME-TACAN interrogation frequency MHz	DME-TACAN transponder reply frequency MHz
93X	114.60 VOR	1117	1180
93Y	114.65 VOR	1117	1054
94X	114.70 VOR	1118	1181
94Y	114.75 VOR	1118	1055
95X	114.80 VOR	1119	1182
95Y	114.85 VOR	1119	1056
96X	114.90 VOR	1120	1183
96Y	114.95 VOR	1120	1057
97X	115.00 VOR	1121	1184
97Y	115.05 VOR	1121	1058
98X	115.10 VOR	1122	1185
98Y	115.15 VOR	1122	1059
99X	115.20 VOR	1123	1186
99Y	115.25 VOR	1123	1060
100X	115.30 VOR	1124	1187
100Y	115.35 VOR	1124	1061
101X	115.40 VOR	1125	1188
101Y	115.45 VOR	1125	1062
102X	115.50 VOR	1126	1189
102Y	115.55 VOR	1126	1063
103X	115.60 VOR	1127	1190
103Y	115.65 VOR	1127	1064
104X	115.70 VOR	1128	1191
104Y	115.75 VOR	1128	1065
105X	115.80 VOR	1129	1192
105Y	115.85 VOR	1129	1066
106X	115.90 VOR	1130	1193
106Y	115.95 VOR	1130	1067
107X	116.00 VOR	1131	1194
107Y	116.05 VOR	1131	1068
108X	116.10 VOR	1132	1195
108Y	116.15 VOR	1132	1069
109X	116.20 VOR	1133	1196
109Y	116.25 VOR	1133	1070
110X	116.30 VOR	1134	1197
110Y	116.35 VOR	1134	1071
111X	116.40 VOR	1135	1198
111Y	116.45 VOR	1135	1072
112X	116.50 VOR	1136	1199
112Y	116.55 VOR	1136	1073
113X	116.60 VOR	1137	1200
113Y	116.65 VOR	1137	1074
114X	116.70 VOR	1138	1201
114Y	116.75 VOR	1138	1075
115X	116.80 VOR	1139	1202
115Y	116.85 VOR	1139	1076
116X	116.90 VOR	1140	1203
116Y	116.95 VOR	1140	1077
117X	117.00 VOR	1141	1204
117Y	117.05 VOR	1141	1078
118X	117.10 VOR	1142	1205
118Y	117.15 VOR	1142	1079
119X	117.20 VOR	1143	1206
119Y	117.25 VOR	1143	1080
120X	117.30 VOR	1144	1207
120Y	117.35 VOR	1144	1081
121X	117.40 VOR	1145	1208
121Y	117.45 VOR	1145	1082
122X	117.50 VOR	1146	1209
122Y	117.55 VOR	1146	1083
123X	117.60 VOR	1147	1210
123Y	117.65 VOR	1147	1084
124X	117.70 VOR	1148	1211
124Y	117.75 VOR	1148	1085
125X	117.80 VOR	1149	1212
125Y	117.85 VOR	1149	1086
126X	117.90 VOR	1150	1213
126Y	117.95 VOR	1150	1087

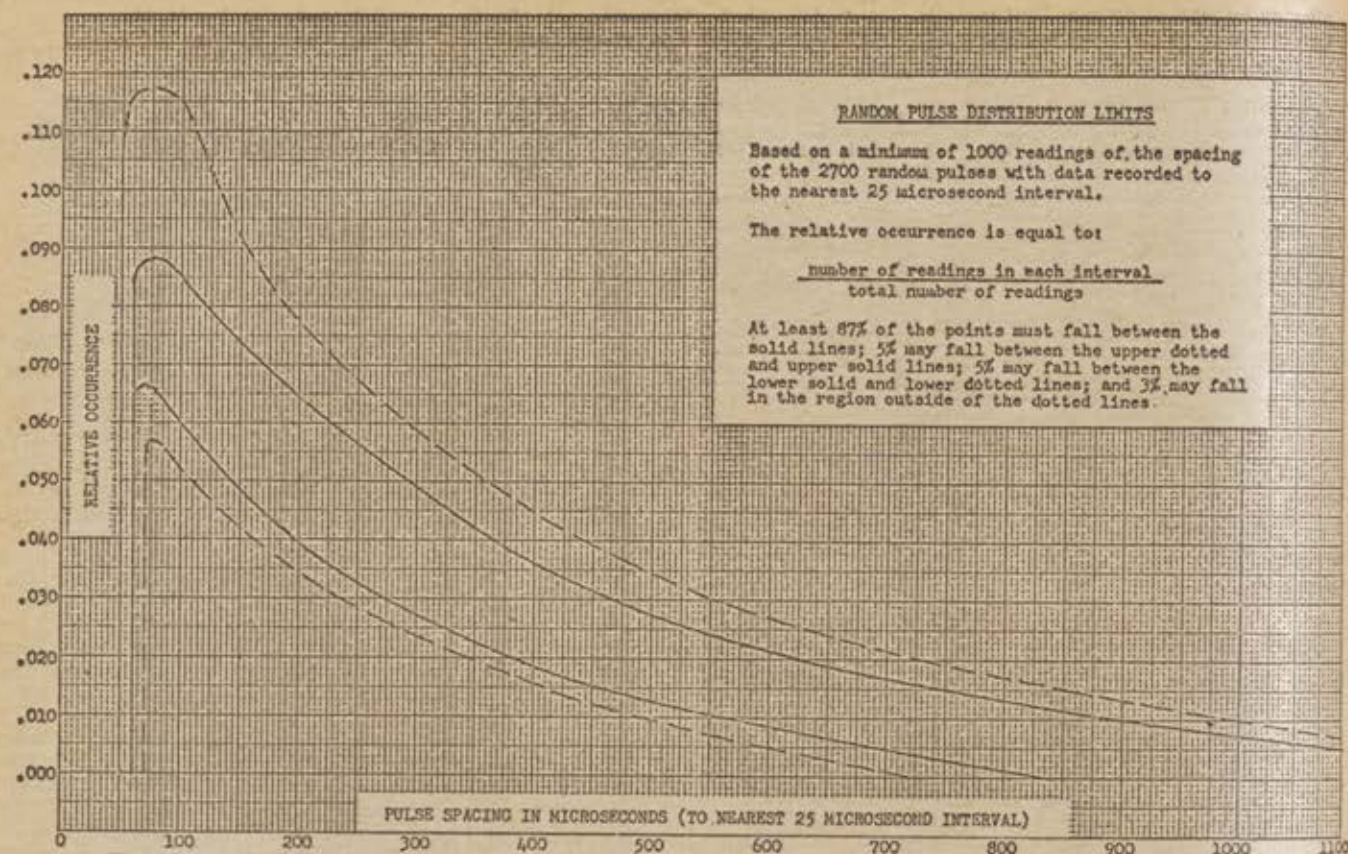


FIGURE 1

[P.R. Doc. 69-13236; Filed, Nov. 6, 1969; 8:45 a.m.]

ATOMIC ENERGY COMMISSION

[Docket No. P-153-1]

PICKER CORP.

Order Reconvening Evidentiary Hearing

By a notice of hearing issued on September 24, 1969, and published in the FEDERAL REGISTER on September 26, 1969, the Commission in accordance with the requirements of section 153 of the Atomic Energy Act, as amended (Act), set October 27, 1969, as the date for the commencement of the evidentiary hearing in this proceeding. At the prehearing conference which commenced on October 17 in accordance with the aforesaid notice of hearing, and also at a second session of the conference which was held on October 24, both the Picker Corp., as applicant here for a patent license, and the Nuclear-Chicago Corp., asserted that they could not be fully prepared to present evidence at the hearing to commence on the required statutory date of October 27.¹ The parties² appearing at

¹ The Atomic Energy Act, as amended, directs the Commission to " . . . hold a hearing within 60 days after the filing of such application."

² The parties to the proceeding are Picker Corp., Nuclear-Chicago Corp., and Hal O. Anger, although Anger did not appear either at the prehearing conference or at the initial session of the evidentiary hearing.

the conference therefore were urged to stipulate regarding a date convenient for the hearing, after completion of the preparation for hearing. This date submitted is February 16, 1970.

As required by the Act and the direction of the Commission, the evidentiary hearing in this proceeding did initially convene on October 27, 1969, for a consideration of the readiness of the parties to proceed to hearing and the presentation of evidence. Upon the basis of the statements and representations made at the two sessions of the prehearing conference, as well as the matters considered at the initial session of the evidentiary hearing, good cause has been shown for a postponement of the evidentiary hearing until February 16, 1970. Announcement was made at the October 27 hearing that the evidentiary hearing was recessed to reconvene on February 16, 1970, in Washington, D.C., and that an Order would be issued specifying the location for the hearing.

Wherefore, it is ordered, In accordance with the Atomic Energy Act, as amended, particularly section 181 thereof, and the rules of practice of the Commission, particularly §§ 2.711 and 2.718 thereof, and in conformance with the announcement made at the first session thereof held on October 27, 1969, the further evidentiary hearing in this proceeding shall reconvene at 10 a.m. on February 16, 1970, in Room 117, Lafayette Building, 811 Vermont Avenue NW., Washington, D.C.

Issued: November 3, 1969, Germantown, Md.

SAMUEL W. JENSCH,
Presiding Officer.

[P.R. Doc. 69-13253; Filed, Nov. 6, 1969; 8:45 a.m.]

FEDERAL COMMUNICATIONS COMMISSION

[Docket No. 18706; FCC 69-1147]

COASTAL AUTO PARTS, INC., AND COASTAL UTILITIES, INC.

Memorandum Opinion and Order Assigning Matter for Public Hearing

1. The Commission has before it (a) a complaint by Coastal Auto Parts, Inc. (Coastal Auto), 109 Ryon Avenue, Hinesville, Ga., filed on May 29, 1969, stating that Coastal Auto had on or about April 25, 1968, requested Coastal Utilities, Inc., Ryon Avenue, Hinesville, Ga., to provide a private line for interstate communications usage. Coastal Auto further states that as of the date of the complaint no private line service had been instituted and that as a result of this failure to provide service it has suffered damages; and (b) an answer and motion to dismiss filed by Coastal Utilities, Inc., on July 10, 1969, admitting that Coastal Auto had requested service but

alleging by way of defense that installation of the necessary equipment was delayed by a shortage of carrier facilities and carrier channels resulting from a great influx of military and civilian personnel in the Hinesville area. Coastal Utilities, Inc., alleges that it had applied for a Rural Electrification Administration loan on November 7, 1968, and became eligible to draw on the approved loan on March 11, 1969. It further alleges that after securing approval of the loan, Coastal Utilities, Inc.'s engineers determined the equipment needed to serve Coastal Auto and placed orders for it. The estimated date for installation of the cable facilities and carrier channel facilities was scheduled for October 1, 1969, but it now appears that further delay has occurred. The motion to dismiss requests dismissal of the complaint for lack of legal sufficiency.

2. The gravamen of Coastal Auto's complaint is that Coastal Utilities, Inc. has violated section 201(a) of the Communications Act of 1934, as amended (Act) by failing to provide interstate communications service upon reasonable request. All common carriers providing interstate communications service by wire or radio are required by section 201(a) "to furnish such communications service upon reasonable request therefor." A carrier's obligation under that section is to furnish reasonably adequate communications facilities to the public it serves. The types of services required to be furnished upon reasonable request include, by necessity, those services offered in the carrier's tariffs. Coastal Utilities, Inc., as a "connecting carrier," is not required to file tariffs with this Commission. Its rates for the interstate services it does offer, however, are filed by the carrier to which it connects that does provide the physical interstate service. In this case, Coastal Utilities, Inc., is a connecting carrier of Southern Bell Telephone and Telegraph Co. and its rates and service offering are governed by A.T. & T. Tariff F.C.C. No. 260. That tariff provides for the provision by the carrier of private lines of the type requested by Coastal Auto.

3. The duty of a common carrier to furnish the service offered in its tariff is not absolute. For example, a carrier is not liable to provide for unexpected or great demands which it had no reason to apprehend would be made and which it could not reasonably have been expected to meet in full. But the carrier must carefully anticipate demand and when the unexpected situation arises, it must, in keeping with its obligation to the public, strive to meet that demand promptly. This may, of course, require the carrier to expend sufficient sums of money necessary for the purchase of the required facilities.

4. As noted above, Coastal Utilities, Inc., has alleged a great increase in demand for service. It further states that a Rural Electrification Administration loan was obtained to purchase the equipment necessary to meet the increased demand. However, a letter from Glenn E. Bryant, President of Coastal Utilities, Inc., to the Commission dated December 2, 1968, stated that no part of that loan would be available to serve the needs of Coastal Auto.¹ That letter further states: "if the amount involved (in serving Coastal Auto) is moderate the required facilities will be purchased from funds that may be available for plant replacements." Facts of this nature showing that 8 months after a request for service the carrier had not progressed far enough to know the cost of providing the service nor contemplated obtaining funds for the necessary facilities raises a question as to whether Coastal Utilities, Inc., has satisfied the requirements of section 201(a). In addition, there is posed a question as to whether Coastal Utilities has been discriminatory or prejudicial in its treatment of private line customers.

5. Accordingly, it is ordered, That pursuant to the provisions of sections 201 through 209 of the Communications Act of 1934, as amended, a public hearing shall be held at a time and place to be hereinafter designated upon the following specific issues:

Issues. a. Whether Coastal Utilities, Inc., has violated section 201(a) of the Communications Act of 1934, as amended, by failing to provide service to Coastal Auto Parts, Inc., from on or about April 25, 1968, to the present date;

b. Whether Coastal Utilities, Inc., has subjected Coastal Auto Parts, Inc., to any undue or unreasonable prejudice or disadvantage within the meaning of section 202(a) by not providing service from on or about April 25, 1968, to the present date.

c. If the Commission finds that there has been a violation of the Act, what action should be taken with respect thereto.

6. It is further ordered, That Coastal Utilities, Inc., and Coastal Auto Parts, Inc., are hereby designated parties to this proceeding;

7. It is further ordered, That a Hearing Examiner shall be designated to preside in the proceeding herein, who shall prepare an initial decision on all of the issues in the complaint proceeding as provided in § 1.267 of the Commission's rules.

Adopted: October 22, 1969.

¹The letter from Coastal Utilities, Inc., was part of the correspondence between the Commission and the carrier with respect to the informal complaint filed by Coastal Auto on Sept. 23, 1968.

Released: October 27, 1969.

FEDERAL COMMUNICATIONS
COMMISSION,
[SEAL] BEN F. WAPLE,
Secretary.

[P.R. Doc. 69-13290; Filed, Nov. 6, 1969;
8:47 a.m.]

[Report 464]

COMMON CARRIER SERVICES INFORMATION¹

Domestic Public Radio Services Applications Accepted for Filing²

NOVEMBER 3, 1969.

Pursuant to §§ 1.227(b) (3) and 21.26 (b) of the Commission's rules, an application, in order to be considered with any domestic public radio services application appearing on the list below, must be substantially complete and tendered for filing by whichever date is earlier: (a) The close of business 1 business day preceding the day on which the Commission takes action on the previously filed application; or (b) within 60 days after the date of the public notice listing the first prior filed application (with which subsequent applications are in conflict) as having been accepted for filing. An application which is subsequently amended by a major change will be considered to be a newly filed application. It is to be noted that the cutoff dates are set forth in the alternative—applications will be entitled to consideration with those listed below if filed by the end of the 60-day period, only if the Commission has not acted upon the application by that time pursuant to the first alternative earlier date. The mutual exclusivity rights of a new application are governed by the earliest action with respect to any one of the earlier filed conflicting applications.

The attention of any party in interest desiring to file pleadings pursuant to section 309 of the Communications Act of 1934, as amended, concerning any domestic public radio services application accepted for filing, is directed to § 21.27 of the Commission's rules for provisions governing the time for filing and other requirements relating to such pleadings.

FEDERAL COMMUNICATIONS
COMMISSION,
[SEAL] BEN F. WAPLE,
Secretary.

¹All applications listed below are subject to further consideration and review and may be returned and/or dismissed if not found to be in accordance with the Commission's rules, regulations, and other requirements.

²The above alternative cutoff rules apply to those applications listed below as having been accepted in Domestic Public Land Mobile Radio, Rural Radio, Point-to-Point Microwave Radio, and Local Television Transmission Services (Part 21 of the rules).

APPLICATION ACCEPTED FOR FILING

DOMESTIC PUBLIC LAND MOBILE RADIO SERVICE

File No., Applicant, Call Sign, and Nature of Application

- 2161-C2-P-70—The Allied Companies, Inc. (KAL673), C.P. to change antenna system and antenna location to 1337 Lane Street, Topeka, Kans., operating on frequency 152.21 MHz.
- 2162-C2-P-(4)-70—The Redco Corp., Roy M. Teel & Lowry McKee doing business as Mobilone (KKJ459), C.P. for additional facilities to be located at a new site identified as location No. 3: 2501 Sunbird Road, Corpus Christi, Tex., to operate on frequencies 454.175, 454.225, 454.275, and 454.325 MHz.
- 2163-C2-P-70—Wisconsin Telephone Co. (KSC871), C.P. to change frequency from: 152.51 MHz to 152.84 MHz at its station located at 5 miles northwest of Manitowoc, Wis.
- 2164-C2-MP-70—Louisville 2-way Radio Service, Inc. (KIF656), Modify C.P. to change antenna location to: 800 South Fourth Street, Louisville, Ky., operating on frequency 158.70 MHz. Replace transmitter for same.
- 2165-C2-MP-70—LaVergne L. Borden, doing business as LaVergne's Telephone Answering Service (KLF657), Modify C.P. to lower antenna located at 1/4-mile south of Donahue Ferry Road, 4 1/2 miles northeast of Alexandria, La., operating on frequency 152.24 MHz.
- 2168-C2-MP-(3)-70—Intrastate Radio Telephone, Inc., of Los Angeles (KMA200), Modify C.P. to change antenna system at location No. 1: 8999 Aliso Cedro Drive, Los Angeles, Calif. and location No. 2: Ebad of TV Row, Mount Wilson, Calif., operating on frequency 454.275 MHz.
- 2167-C2-P-(2)-70—Southwestern Bell Telephone Co. (KKD289), C.P. to change antenna system and antenna location to: 5 miles northwest of Ardmore, Okla., operating on frequencies 152.51, 152.63 MHz. Replace transmitter for same.
- 2232-C2-P-70—General Telephone Co. of Wisconsin (New), C.P. for new 1-way station to be located at 3203 Lincoln Avenue, Two Rivers, Wis., to operate on frequency 152.840 MHz.
- 2233-C2-P-70—General Telephone Co. of Wisconsin (New), C.P. for new 2-way station to be located at 3203 Lincoln Avenue, Two Rivers, Wis., to operate on frequency 152.890 MHz.
- 2234-C2-P-70—Edward C. Smith, doing business as Answerite Professional (New), C.P. for new 2-way station to be located at Corner Avenue D and Fourth Street SW., Winter Haven, Fla., to operate on frequency 152.06 MHz.
- 2168-C2-AL-70—Lufkin Telephone Exchange, Inc. (EKK717), Consent to Assignment of License from: Lufkin Telephone Exchange, Inc. Assignor To: Lufkin Telephone Exchange, Inc. Assignee, a new corporation to be distinguished for assignor.
- 2244-C2-P-70—Leland of Lincoln Mobile Telephone Co. (New), C.P. for new 2-way station to be located at 1841 North River Drive, Algonquin, Ill., to operate on frequency 454.025 MHz.
- 2245-C2-P-(9)-70—North Carolina Mobile Telephone Co. (New), C.P. for new 2-way station to be located at 102 West Trade Street, Charlotte, N.C., to operate on frequencies 454.025, 454.225, 454.325 MHz.
- 2246-C2-P-70—Telephone Answering Service, Inc., doing business as Paducah Radio Telephone Service (EJUT69), C.P. to change antenna system and replace transmitter operating on frequency 153.03 MHz at its station located at 231 South Seventh Street, Paducah, Ky.
- 2247-C2-P-70—Lewis M. Kelley, doing business as Seattle Radiotelephone Service (KOA733), C.P. for additional facilities to be located at a new site identified as location No. 2: Seattle-First National Bank Building, Seattle, Wash., to operate on frequency 454.30 MHz.
- 2252-C2-P-70—Harry Tarbell, doing business as Pacific Union (KUA287), C.P. to replace transmitter operating on frequency 43.58 MHz at station located at Council Crest Drive and Villard Drive SW., Portland, Oreg.
- 2254-C2-P-70—Albert M. Steiner, trading as Long Island Telephone Co. (KEJ688), C.P. for additional facilities to operate on frequency 454.95 MHz to be located at a new site identified as location No. 3: Foot of Commercial Avenue, Garden City, N.Y.
- 2256-C2-AL-70—Chattanooga Venetian Blind Co., Inc. (KIK580), Consent to assignment of license from: Chattanooga Venetian Blind Co., Inc. Assignor to: Metro Radio, Inc., Assignee.
- 2279-C2-P-(8)-70—Mobile Radio-Telephone Service, Inc. (KOE252), C.P. for additional facilities at location No. 1: Coon Peak, Oquirrh Range, 5.2 miles south-southwest of Garfield, Utah, to operate on frequencies 454.125, 454.225, 454.325 MHz.

DOMESTIC PUBLIC LAND MOBILE RADIO SERVICE—continued

- 2280-C2-P-70—Mobile Radio Message Service, Inc. (KEA260), C.P. for additional facilities to operate on frequency 454.125 MHz located at Empire State Building, 350 Fifth Avenue, New York, N.Y.
- 2357-C2-P-70—Edward C. Smith doing business as Answerite Professional Telephone Service (KIF561), C.P. for additional channel to operate on frequency 152.180 MHz at location No. 1: Park Plaza Hotel, 431 East Central Boulevard, Orlando, Fla.
- 2358-C2-P-70—Telephone Secretarial Service (KEA263), C.P. for additional channel to operate on frequency 454.125 MHz at its station located at 1180 Raymond Boulevard, Newark, N.J.
- Major Amendment*
- 3824-C2-P-69—Ark-La-Tex Mobile Radio Service (KLB494), Amend to read: To operate on a frequency 152.15 MHz. All other particulars to remain the same as reported on public notice dated Jan. 6, 1969, Report No. 421.
- Correction*
- 5531-C2-P-69—Francis I. Lambert and Harry L. Brock, Jr., doing business as Advanced Communications Co. (New), Correct to read: 5331-C2-P-69 Francis I. Lambert and Harry L. Brock, Jr., doing business as Advance Communications Co. (KLF495), C.P. to add a second channel to operate on base frequency 454.300 MHz. All other particulars to remain the same as reported on public notice dated Mar. 24, 1969, Report No. 432.
- POINT-TO-POINT MICROWAVE RADIO SERVICE (TELEPHONE CARRIERS)*
- 2109-C1-P-70—General Telephone Co. of Wisconsin (New), C.P. for a new fixed station to be located at Rib Mountain, 3 miles south-southwest of junction of U.S. Highway No. 51 and State Highway No. 29, township of Rib Mountain, Wis. Frequency 11,200.0 MHz toward Wausau, Wis.
- 2170-C1-P-70—Minnesota Telephone Co. (New), C.P. for a new fixed station to be located at Park and Second Streets, Big Falls, Minn. Frequency 2168.4 MHz toward Little Fork, Minn.
- 2171-C1-P-70—Minnesota Telephone Co. (New), C.P. for a new fixed station to be located at approximately 0.75 mile east of International Falls, Minn. Frequency 2174.8 MHz toward Littlefork, Minn.
- 2172-C1-P-70—Minnesota Telephone Co. (New), C.P. for a new fixed station to be located near Littlefork, Minn. Frequency 2118.4 MHz toward Big Falls, Minn. and 2124.8 MHz toward International Falls, Minn.
- 2173-C1-P-70—The Bell Telephone Co. of Pennsylvania (KYJ36), C.P. to change frequency from 6360.3 MHz to 11,445 MHz and add frequencies 6286.19 and 6404.79 MHz toward Manada, Pa. Location: 210 Fine Street, Harrisburg, Pa.
- 2174-C1-P-70—The Bell Telephone Co. of Pennsylvania (KYJ37), C.P. to change frequency 6137.9 MHz to 10,995 MHz and add frequencies 6034.15 and 6152.75 MHz toward Harrisburg, Pa., and add frequencies 5945.20 and 6063.80 MHz toward Millbach, Pa. Location: Manada, 2.7 miles northwest of Grantville, Pa.
- 2175-C1-P-70—The Bell Telephone Co. of Pennsylvania (New), C.P. for a new fixed station to be located at Millbach, 2 miles south of Newmantown, Pa. Frequencies 6137.24 and 6315.84 MHz toward Manada, Pa., and 6286.19 and 6404.79 MHz toward Haasville, Pa.
- 2176-C1-P-70—The Bell Telephone Co. of Pennsylvania (New), C.P. for a new fixed station to be located at 0.9 mile southwest of Haasville, Pa. Frequencies 11655 and 11435 MHz toward Allentown and 6034.15 and 6152.75 MHz toward Millbach, Pa.
- 2177-C1-P-70—The Bell Telephone Co. of Pennsylvania (KIK88), C.P. to add frequencies 11175 and 10935 MHz toward Haasville, Pa. Location: 110 North Hall Street, Allentown, Pa.
- 2235-C1-P-70—American Telephone & Telegraph Co. (KOH33), C.P. to add frequencies 3890 and 3970 MHz toward Winder, Pa. Location: 3.5 miles northwest of Jennerstown, Pa.
- 2236-C1-P-70—American Telephone & Telegraph Co. (KGN82), C.P. to add 3930 and 4010 MHz toward Jennerstown and 10755 and 10915 MHz toward Claysburg, Pa. Location: 8.8 miles east of Winder, Pa.

POINT-TO-POINT MICROWAVE RADIO SERVICE (TELEPHONE CARRIERS)—CONTINUED

- 2237-C1-P-70—American Telephone & Telegraph (New), C.P. for a new fixed station to be located at 4.7 miles northwest of Clayburg, Pa. Frequencies 11285 and 11605 MHz toward Windber and 11405 and 11565 MHz toward Altoona, Pa.
- 2238-C1-P-70—American Telephone & Telegraph Co. (New), C.P. for a new fixed station to be located at 1311 12th Avenue, Altoona, Pa. Frequencies 10875 and 11035 MHz toward Clayburg, Pa.
- 2239-C1-P-70—The Mountain States Telephone & Telegraph Co. (KPA68), C.P. to add frequencies 6315.9 and 11155 MHz toward Humboldt Mountain, Ariz. Location: Mount Ord, 23 miles south-southwest of Payson, Ariz.
- 2240-C1-P-70—The Mountain States Telephone & Telegraph Co. (KPA35), C.P. to add frequencies 11525 and 11285 MHz toward Phoenix, Ariz. Location: Shaw Butte, 10 miles north of Phoenix, Ariz.
- 2241-C1-P-70—The Mountain States Telephone & Telegraph Co. (KOV63), C.P. to add frequencies 10835 and 11075 MHz toward Shaw Butte, Ariz. Location: 228 West Adams Street, Phoenix, Ariz.
- 2242-C1-P-70—The Mountain States Telephone & Telegraph Co. (New), C.P. for a new fixed station to be located at Humboldt Mountain, 13.4 miles northeast of Cave Creek, Ariz. Frequencies 6063.8 and 11605 MHz toward Mount Ord, Ariz.
- 2248-C1-P-70—American Telephone & Telegraph Co. (KJH70), C.P. to add frequencies 5974.8 and 6083.5 MHz toward Ojus, Fla. Location: 6 miles west-southwest of Pensacola, Fla.
- 2249-C1-P-70—American Telephone & Telegraph Co. (KJ368), C.P. to add frequencies 6226.9 and 6345.5 MHz toward Pensacola and 6004.5 and 6123.1 MHz toward Fort Lauderdale, Fla. Location: 3.5 miles northwest of Ojus, Fla.
- 2250-C1-P-70—American Telephone & Telegraph Co. (KJA63), C.P. to add frequencies 6356.5 and 6375.2 MHz toward Ojus, Fla. Location: 3 miles west-northwest of Fort Lauderdale, Fla.
- 2257-C1-P-70—Mount Rural Telephone Cooperative Corp., Inc. (New), C.P. for a new fixed station to be located near West Liberty, Ky. Frequencies 6034.2 and 10753 MHz toward Morehead, Ky.
- 2258-C1-P-70—The Mountain States Telephone & Telegraph Co. (KPP94), C.P. to add frequencies 6071.2 and 6130.5 MHz toward Price, Utah. Location: 8 miles north-northeast of Dragerton, Utah.
- 2259-C1-P-70—The Mountain States Telephone & Telegraph Co. (KPR83), C.P. to add frequencies 6323.3 and 6382.6 MHz toward Bruin Peak, Utah. Location: 107 East First North Street, Price, Utah.
- 2260-C1-P-70—South Central Bell Telephone Co. (KIV67), C.P. to add frequencies 10815 and 11185 MHz toward Pikeville, Ky. Location: Approximately 1.8 miles southwest of Pikeville, Ky.
- 2261-C1-P-70—South Central Bell Telephone Co. (KVD77), C.P. to add frequencies 11225 and 11545 MHz toward Pikeville, Ky. Location: 402 Second Street, Pikeville, Ky.
- 2262-C1-P-70—The Mountain States Telephone & Telegraph Co. (EPQ57), Modification of C.P. to add frequencies 6271.4 and 6390.0 MHz toward Casper Junction, Wyo., and 2162.4 MHz toward Casper Mountain, Wyo., and change the antenna system location: 103 North Durbin Street, Casper, Wyo.
- 2263-C1-P-70—The Mountain States Telephone & Telegraph Co. (New), C.P. for a new fixed station to be located at 2.8 miles south-southeast of Casper, Wyo. Frequencies 6019.3 and 6137.9 MHz toward Orpha, Wyo.
- 2264-C1-P-70—The Mountain States Telephone & Telegraph Co. (New), C.P. for a new fixed station to be located at 8 miles southwest of Orpha, Wyo. Frequencies 6256.5 and 6375.2 MHz toward Casper Junction, Wyo., and 6256.5 and 6375.2 MHz toward South Douglas, Wyo.
- 2265-C1-P-70—The Mountain States Telephone & Telegraph Co. (KKU78), Modification of C.P. to add frequencies 6256.5 and 6375.2 MHz toward South Douglas and Chugwater, Wyo., 6271.4 and 6390.0 MHz toward Wheatland, Wyo., and change the antenna system location: 8 miles west-northwest of Wendover, Wyo.
- 2266-C1-P-70—The Mountain States Telephone & Telegraph Co. (New), C.P. for a new fixed station to be located at 4.3 miles southeast of Douglas, Wyo. Frequencies 6004.5 and 6123.1 MHz toward Orpha and Wendover, Wyo., and 6019.3 and 6137.9 MHz toward Douglas, Wyo.

POINT-TO-POINT MICROWAVE RADIO SERVICE (TELEPHONE CARRIERS)—CONTINUED

- 2287-C1-P-70—The Mountain States Telephone & Telegraph Co. (New), C.P. for a new fixed station to be located at 301 East Oak Street, Douglas, Wyo. Frequencies 6271.4 and 6390.0 MHz toward South Douglas, Wyo.
- 2271-C1-MP-70—United Inter-Mountain Telephone Co. (KJH26), Modification of C.P. to add frequency 6338.1 MHz toward Sand Mountain, Va. Location: 175 South First Street, Wytheville, Va.
- 2272-C1-MP-70—United Inter-Mountain Telephone Co. (KJH27), Modification of C.P. to add frequencies 6026.7 and 6145.3 MHz toward Galax, Va., via passive reflector and 6055.4 MHz toward Wytheville, Va. Location: 3 miles south of Wytheville, at Sand Mountain, Va.
- 2273-C1-P-70—United Inter-Mountain Telephone Co. (KJH28), C.P. to replace transmitters operating on frequencies 6249.1 and 6367.7 MHz toward Sand Mountain, Va., via passive reflector location: 107 East Center Street, Galax, Va.
- 2277-C1-P-70—Southern Bell Telephone & Telegraph Co. (KJL30), C.P. to replace transmitter operating on frequency 2178.4 MHz toward Hilton Head Island, S.C. Location: 322 Drayton Street, Savannah, Ga.
- 2278-C1-P-70—Southern Bell Telephone & Telegraph Co. (KJW76), C.P. to replace transmitter operating on frequency 2128.4 MHz toward Savannah, Ga. Location: State Highway No. 46, Hilton Head Island, S.C.
- 2339-C1-P-70—The Mountain States Telephone & Telegraph Co. (KPL23), C.P. to change frequencies from 10795 and 11035 MHz to 6982.6 and 6982.6 MHz toward Mingus Mountain, Ariz., and change the antenna system location: 140 North Marina Street, Prescott, Ariz.
- 2360-C1-P-70—The Mountain States Telephone & Telegraph Co. (KPC70), C.P. to change frequencies from 11245 and 11485 MHz to 6130.5 and 5823.3 MHz toward Prescott, Ariz.; change frequencies from 11525 and 11565 MHz to 6130.5 and 5823.3 MHz toward Mount Elden, Ariz., and change the antenna system location: Mingus Mountain, 7.5 miles south of Jerome, Ariz.
- 2361-C1-P-70—The Mountain States Telephone & Telegraph Co. (KPC71), C.P. to change frequencies from 10875 and 11115 MHz to 6241.7 and 6212.1 MHz toward Mingus Mountain, Ariz., and change the antenna system location: Mount Elden, 3.7 miles northeast of Flagstaff, Ariz.

POINT-TO-POINT MICROWAVE RADIO SERVICE (NONTELEPHONE)

- 2356-C1-ML-70—West Texas Microwave Co. (KTR35), Modification of license to permit carriage of audio programming of FM broadcast stations WRB-FM and KCWM-FM to Lubbock, Tex. for delivery to Lubbock Television Cable Co., Inc.

Corrections

- 1854-C1-P-70 thru 1858-C1-P-70—United Video, Inc., The informative note appearing on public notice dated October 13, 1969, should show the signal of KDTV rather than KMEO-TV to be delivered to Pryor, Okla.
- 1894-C1-P-70—Mountain Microwave Corp. (KAQ88), Frequency 6586.2 MHz shown on public notice dated October 20, 1969, should be corrected to read 6286.2 MHz.

[F.R. Doc. 69-13258; Filed, Nov. 6, 1969; 8:45 a.m.]

FEDERAL MARITIME COMMISSION CONTINENTAL NORTH ATLANTIC WESTBOUND FREIGHT CONFERENCE

Notice of Agreement Filed

Notice is hereby given that the following agreement has been filed with the Commission for approval pursuant to section 15 of the Shipping Act, 1916, as amended (39 Stat. 733, 75 Stat. 763, 46 U.S.C. 814).

Interested parties may inspect and obtain a copy of the agreement at the Washington office of the Federal Maritime Commission, 1405 I Street NW, Room 1202; or may inspect agreement at the offices of the District Managers, New York, N.Y., New Orleans, La., and San Francisco, Calif. Comments with reference to an agreement including a request for hearing, if desired, may be submitted to the Secretary, Federal Maritime Commission, Washington, D.C. 20573, within 20 days after publication of

this notice in the FEDERAL REGISTER. A copy of any such statement should also be forwarded to the party filing the agreement (as indicated hereinafter) and the comments should indicate that this has been done.

Notice of agreement filed by:

Mr. Burton H. White, Burlingham, Underwood, Wright, White & Lord, 25 Broadway, New York, N.Y. 10004.

Agreement No. 8210-9, between the member lines of the Continental North Atlantic Westbound Freight Conference, adds a new paragraph "e" to Article 2 of the basic agreement to provide (1) that when an emergency demanding special rate flexibility is declared to exist, the Conference may take special steps to protect the situation, including the appointment of a Rate Committee to make special emergency rates, alter tariff rules and regulations, open and close rates and permit independent action in accordance with the powers from time to time granted, and (2) that action by the Rate Committee may be authorized by a majority vote of those present and entitled to vote at any Rate Committee meeting. Reports of all such actions shall be furnished the Commission.

Dated: November 4, 1969.

By the Federal Maritime Commission.

FRANCIS C. HURNEY,
Assistant Secretary.

[F.R. Doc. 69-13291; Filed, Nov. 6, 1969; 8:47 a.m.]

UNIVERSAL TERMINAL & STEVEDORING CORP. AND PACIFIC FAR EAST LINE, INC.

Notice of Agreement Filed for Approval

Notice is hereby given that the following agreement has been filed with the Commission for approval pursuant to section 15 of the Shipping Act, 1916, as amended (39 Stat. 733, 75 Stat. 763, 46 U.S.C. 814).

Interested parties may inspect and obtain a copy of the agreement at the Washington office of the Federal Maritime Commission, 1405 I Street NW., Room 1202, or may inspect agreement at the offices of the District Managers, New York, N.Y., New Orleans, La., and San Francisco, Calif. Comments with reference to an agreement including a request for hearing, if desired, may be submitted to the Secretary, Federal Maritime Commission, Washington, D.C. 20573, within 20 days after publication of this notice in the FEDERAL REGISTER. A copy of any such statement should also be forwarded to the party filing the agreement (as indicated hereinafter), and the comments should indicate that this has been done.

Notice of agreement filed for approval by:

Mr. John F. Farrell, Jr., Vice President, Universal Terminal & Stevedoring Corp., 1 Broadway, New York, N.Y. 10004.

Agreement No. T-2351 between Universal Terminal & Stevedoring Corp.

(UTS) and Pacific Far East Line, Inc. (PFEL) provides for the sublease to PFEL of certain marine terminal property in Alameda, Calif., which UTS leases from Encinal Terminals. PFEL will use the premises for receiving, assembling, and distributing containers, for non-container cargo and for uses incidental thereto. As compensation, PFEL will pay UTS full wharfage and dockage charges as set forth in Encinal's tariff with a minimum payment of \$172,000 per year. If during any calendar year tariff charges are between \$172,000 and \$225,000, PFEL will pay UTS 50 percent of tariff charges for containers and 75 percent of tariff charges for noncontainer cargo; if PFEL's payments reach \$225,000 then, during the remainder of the year, PFEL will pay UTS no further tariff charges for containers and only 65 percent of tariff charges for noncontainer cargo.

Dated: November 4, 1969.

By order of the Federal Maritime Commission.

FRANCIS C. HURNEY,
Assistant Secretary.

[F.R. Doc. 69-13292; Filed, Nov. 6, 1969; 8:48 a.m.]

WSUP ALLOCATION AGREEMENT

Notice of Agreement Filed for Approval

Notice is hereby given that the following agreement has been filed with the Commission for approval pursuant to section 15 of the Shipping Act, 1916, as amended (39 Stat. 733, 75 Stat. 763, 46 U.S.C. 814).

Interested parties may inspect and obtain a copy of the agreement at the Washington office of the Federal Maritime Commission, 1405 I Street NW., Room 1202, or may inspect agreement at the offices of the District Managers, New York, N.Y., New Orleans, La., and San Francisco, Calif. Comments with reference to an agreement including a request for hearing, if desired, may be submitted to the Secretary, Federal Maritime Commission, Washington, D.C. 20573, within 20 days after publication of this notice in the FEDERAL REGISTER. A copy of any such statement should also be forwarded to the party filing the agreement (as indicated hereinafter), and the comments should indicate that this has been done.

Notice of agreement filed for approval by:

Mr. Edward D. Ransom, Lillick, McHose, Wheat, Adams & Charles, 311 California Street, San Francisco, Calif. 94104.

Agreement No. T-2188-2 between Hawaiian stevedore companies (Employers) modifies the basic agreement which provides for an allocation among the Employers of the costs of a Work Stabilization and Utilization Program Fund for their employees. The purpose of the modification is to provide for an increase in benefits to the employees, resulting in an increase in the amount of the funds to be raised pursuant to the method and

formula provided for in Agreement No. T-2188 as modified.

Dated: November 4, 1969.

By order of the Federal Maritime Commission.

FRANCIS C. HURNEY,
Assistant Secretary.

[F.R. Doc. 69-13293; Filed, Nov. 6, 1969; 8:48 a.m.]

FEDERAL POWER COMMISSION

[Docket No. RI70-308 etc.]

GENERAL CRUDE OIL CO. ET AL.

Order Providing for Hearings on and Suspension of Proposed Changes in Rates¹

OCTOBER 24, 1969.

The respondents named herein have filed proposed increased rates and charges of currently effective rate schedules for sales of natural gas under Commission jurisdiction, as set forth in Appendix A hereof.

The proposed changed rates and charges may be unjust, unreasonable, unduly discriminatory, or preferential, or otherwise unlawful.

The Commission finds:

It is in the public interest and consistent with the Natural Gas Act that the Commission enter upon hearings regarding the lawfulness of the proposed changes, and that the supplements herein be suspended and their use be deferred as ordered below.

The Commission orders:

(A) Under the Natural Gas Act, particularly sections 4 and 15, the regulations pertaining thereto (18 CFR Ch. I), and the Commission's rules of practice and procedure, public hearings shall be held concerning the lawfulness of the proposed changes.

(B) Pending hearings and decisions thereon, the rate supplements herein are suspended and their use deferred until date shown in the "Date Suspended Until" column, and thereafter until made effective as prescribed by the Natural Gas Act.

(C) Until otherwise ordered by the Commission, neither the suspended supplements, nor the rate schedules sought to be altered, shall be changed until disposition of these proceedings or expiration of the suspension period.

(D) Notices of intervention or petitions to intervene may be filed with the Federal Power Commission, Washington, D.C. 20426, in accordance with the rules of practice and procedure (18 CFR 1.8 and 1.37(f)) on or before December 10, 1969.

By the Commission.

[SEAL] GORDON M. GRANT,
Secretary.

¹ Does not consolidate for hearing or dispose of the several matters herein.

NOTICES

18063

APPENDIX A

Docket No.	Respondent	Rate schedule No.	Supplement No.	Purchaser and producing area	Amount of annual increase	Date filing tendered	Effective date unless suspended	Date suspended until—	Cents per Mcf		Rate in effect subject to refund in dockets Nos.
									Rate in effect	Proposed increased rate	
R170-308	General Crude Oil Co., Post Office Box 2252, Houston, Tex. 77001.	8	5	West Lake Natural Gasoline Co. (Nena Lucia Field, Nolan County, Tex.) (R.R. District No. 7-B).	\$490	9-24-69	10-25-69	1-1-70	9.0	** 9.5	R165-190.
R170-309	Chevron Oil Co., Western Division, Post Office Box 599, Denver, Colo. 80201.	5	2	Montana-Dakota Utilities Co. (Muddy Ridge Field, Fremont County, Wyo.).	4,745	9-29-69	12-4-69	5-4-70	15.384	** 16.384	
.....do.....	.....do.....	6	2	Kansas-Nebraska Natural Gas Co., Inc. (Lost Cabin and Waltman Fields, Fremont and Natrona Counties, Wyo.).	35,131	9-29-69	11-1-69	4-1-70	15.0	** 16.0	
R170-310	M. J. Brannon, Jr., 4225 Glenwood Dr., Fort Worth, Tex. 76109.	1	3	El Paso Natural Gas Co. (Undesignated Dakota Field, San Juan County, N. Mex.) (San Juan Basin Area).	620	9-30-69	10-31-69	3-31-70	13.0	** 14.0	R165-92.
R170-311	P & M Oil & Gas Co., 406 Wood St., West Union, W. Va. 26325.	2	13	Equitable Gas Co. (Doddridge County, W. Va.).	1,440	9-30-69	10-31-69	3-31-70	25.0	** 27.0	
R170-312	Skelly Oil Co. (Operator) et al., Post Office Box 1650, Tulsa, Okla. 74102.	33	7	Kansas-Nebraska Natural Gas Co., Inc. (Various Fields, Logan County, Colo.).	128	9-29-69	10-30-69	3-30-70	16.0	** 17.0	R160-327.
R170-313	Shell Oil Co., 50 West 50th St., New York, N.Y. 10020.	178	12	El Paso Natural Gas Co. (Aneth Area Fields, San Juan County, Utah).	8,675	9-29-69	10-30-69	3-30-70	17.8549	** 22.1925	
R170-314	Skelly Oil Co., Post Office Box 1650, Tulsa, Okla. 74102.	165	8	Michigan Wisconsin Pipe Line Co. (Cedarvale and Northeast Cedarvale Fields, Dewey and Major Counties, Okla.) (Oklahoma "Other" Area).	2,171	9-29-69	10-30-69	3-30-70	15.75	** 17.75	
.....do.....	.....do.....	214	3	Lone Star Gas Co. (Pone Field, Rusk County, Tex.) (R.R. District No. 6).	270	9-25-69	10-26-69	3-26-70	15.0	** 17.0	
.....do.....	.....do.....	143	2	Panhandle Eastern Pipe Line Co. (Hugoton Field, Texas County, (Panhandle Area) and Mohler Field, Meade County, Kans.).	6,939	10-3-69	11-3-69	4-3-70	16.0	** 18.0	
.....do.....	.....do.....	163	2	Northern Natural Gas Co. (McKinney Field, Clark County, Kans.).	135	10-3-69	11-3-69	4-3-70	15.0	** 16.0	R160-168.
.....do.....	.....do.....	161	1	Texas Gas Transmission Corp. (Sugar Creek Field, Claiborne Parish, La.) (North Louisiana Area).	230	10-1-69	11-1-69	4-1-70	18.25	** 19.75	
.....do.....	.....do.....	111	3	Panhandle Eastern Pipe Line Co. (Meade County, Kans.).	1,153	10-1-69	11-1-69	4-1-70	15.5	** 17.5	
.....do.....	.....do.....	114	2	Northern Natural Gas Co. (Karns Unit, Ford County, Kans.).	336	10-1-69	11-1-69	4-1-70	15.0	** 17.0	
.....do.....	.....do.....	166	2	Colorado Interstate Gas Co. (Hugoton Field, Finney County, Kans.).	2,264	10-1-69	11-1-69	4-1-70	12.0	** 14.5	R161-320.
.....do.....	.....do.....	191	2	Northern Natural Gas Co. (Banner Block Area, Stevens County, Kans.).	7,232	10-1-69	11-1-69	4-1-70	16.0	** 17.0	
R170-315	Foree Co., 3700 First National Bank Bldg., Dallas, Tex. 75202.	2	2	Transwestern Pipeline Co. (Northwest Doby Spring Field, Harper County, Okla.) (Panhandle Area).	11,922	10-1-69	11-1-69	4-1-70	19.5	** 26.0175	R166-6.
R170-316	Charles J. Richard (Operator) et al., 1425 First National Bank Bldg., Oklahoma City, Okla.	1	3	Cities Service Gas Co. (Eureka Area, Grant County, Okla.) (Oklahoma "Other" Area).	231	10-3-69	1-1-70	6-1-70	14.0	** 15.0	R165-890.
R170-317	Alfred C. Glines, Jr. et al., 2800 First City National Bank Bldg., Houston, Tex. 77002.	1	8	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (Carthage Field, Panola County, Tex.) (R.R. District No. 6).	62,790	10-3-69	11-3-69	4-3-70	15.4248	** 16.4248	R165-413.
R170-318	Marathon Oil Co., 539 South Main St., Findlay, Ohio 45840.	28	15	Texas Eastern Transmission Corp. (Andrews Unit, Logansport Field, De Soto Parish, La.) (North Louisiana Area).	4	9-29-69	11-1-69	4-1-70	17.8519	** 18.0570	R169-164.
.....do.....	.....do.....	29	16	Texas Eastern Transmission Corp. (Charlie No. 1 Well, Logansport Field, De Soto Parish, La.) (North Louisiana Area).	66	9-29-69	11-1-69	4-1-70	17.8519	** 18.0570	R169-164.
.....do.....	.....do.....	60	16	Texas Eastern Transmission Corp. (Greenwood Waakom Field, Caddo Parish, La.) (North Louisiana Area).	88	9-29-69	11-1-69	4-1-70	17.8519	** 18.0570	R169-164.

See footnotes at end of table.

APPENDIX A—Continued

Docket No.	Respondent	Rate schedule No.	Supplement No.	Purchaser and producing area	Amount of annual increase	Date filing tendered	Effective date unless suspended	Date suspended until—	Cents per Mcf		Rate in effect subject to refund in dockets No.
									Rate in effect	Proposed increased rate	
R170-319	Phillips Petroleum Co. (Operator), Bartlesville, Okla. 74003.	400	1	El Paso Natural Gas Co. (Dumas Plant, Hugoton-Andarko Area, Moore County, Tex.) (RR. District No. 10).	\$155,855	9-26-69	7-11-19-69	4-10-70	17.0	** 18.9675	
	do	447	4	Panhandle Eastern Pipe Line Co. (Cimarron plant, Anadarko Basin Area, Ellis County, Okla. (Panhandle Area) and Major County, Okla.) (Oklahoma "Other" Area).	190,875 93,018	9-26-69	7-10-27-69	3-27-70	** 17.5050 ** 19.8290	*** 20.8893 *** 21.0060	
R170-320	Graham-Michaels Drilling Co. et al., 711 North Broadway Wichita, Kans. 67202.	35	4	Northern Natural Gas Co. (Hansford Morrow Field, Hansford County, Tex.) (RR. District No. 10).	1,972	9-29-69	7-10-30-69	3-30-70	** 17.5	*** 18.5	R165-643
R170-321	Jessie Hunt Trust (Operator) et al., 1401 Elm St., Dallas, Tex. 75202.	4	25	Texas Eastern Transmission Corp. (Northeast Lisbon Field, Chalborne Parish, La.) (North Louisiana Area).	3,976	9-29-69	7-11-1-69	4-1-70	** 17.8519	*** 18.0570	R169-173
R170-322	Hunt Oil Co. (Operator) et al., 1401 Elm St., Dallas, Tex. 75202.	28	19	Texas Eastern Transmission Corp. (Greenwood-Waskom Field, Caddo Parish, La.) (North Louisiana Area).	1,441	9-29-69	7-11-1-69	4-1-70	** 17.8519	*** 18.0570	R169-182
R170-323	Mobil Oil Corp. (Operator) et al., Post Office Box 1774, Houston, Tex. 77001.	333	24	Arkansas Louisiana Gas Co. (Red Oak Area, Le Flore County, Okla.) (Oklahoma "Other" Area).	60	9-29-69	7-10-30-69	3-30-70	15.0	*** 16.015	
	do	418	4	Texas Eastern Transmission Corp. (Greenwood-Waskom Field, Caddo Parish, La.) (North Louisiana Area).	624	9-29-69	7-11-1-69	4-1-70	15.75	** 16.30	R168-660
R170-324	Mobil Oil Corp.	452	24	Arkansas Louisiana Gas Co. (Kinta Field, Le Flore County, Okla.) (Oklahoma "Other" Area).	912	9-26-69	7-10-27-69	3-27-70	15.0	*** 16.0	
R170-325	Graham-Michaels Drilling Co. (Operator) et al. 211 North Broadway, Wichita, Kans. 67202.	23	10	Northern Natural Gas Co. (Hansford Upper Morrow and North Perryton Fields, Hansford and Ochiltree Counties, Tex.) (RR. District No. 10).	2,170	9-30-69	7-10-31-69	3-31-70	** 17.5	*** 18.5	R165-618
R170-326	Atlantic Richfield Co., Post Office Box 2819, Dallas, Tex. 75221.	205	11	Kansas-Nebraska Natural Gas Co., Inc. (Guymon-Hugoton Field, Texas County, Okla.) (Panhandle Area).	319	10-1-69	7-11-1-69	4-1-70	** 18.41	*** 18.61	R169-190
	do	433	10	H. L. Hunt et al. (North Lansing Field, Harrison County, Tex.) (RR. District No. 6).	419	10-1-69	7-11-1-69	4-1-70	** 19.1	*** 16.37775	R170-18
R170-327	Gulf Oil Corp. (Operator) et al., Post Office Box 1589, Tulsa, Okla. 74102.	354	5	Lone Star Gas Co. (Doyle Field, Stephens County, Okla.) (Oklahoma "Other" Area).	16,200	10-1-69	7-11-1-69	4-1-70	15.0	** 19.0	
R170-328	Standard Oil Co. of Texas, a division of Chevron Oil Co. (Operator) et al., Post Office Box 1249, Houston, Tex. 77001.	37	19	Cimarron Transmission Co. (Southeast Marietta Unit Field, Love County, Okla.) (Oklahoma "Other" Area).	51,889	10-1-69	7-11-1-69	4-1-70	** 15.720	*** 16.767	R168-267
R170-329	J. M. Huber Corp., 2300 West Loop, Houston, Tex. 77027.	62	2	Panhandle Eastern Pipe Line Co. (South Tezard Field, Woods County, Okla.) (Oklahoma "Other" Area).	2,211 703	10-2-69	7-11-2-69	4-2-70	*** 15.33 *** 15.99	*** 17.345 *** 17.105	
R170-330	Edwin L. Cox, 3800 First National Bank Bldg., Dallas, Tex. 75202.	35	6	Cimarron Transmission Co. (Love County, Okla.) (Oklahoma "Other" Area).	234	10-3-69	7-11-3-69	4-3-70	*** 17.6175	*** 18.7175	R168-129
	do	37	7	do	4,117	10-3-69	7-11-3-69	4-3-70	*** 17.6175	*** 18.7175	R168-129
	do	36	6	do	885	10-2-69	7-11-2-69	4-2-70	*** 15.7675	*** 18.3925	R168-129
	do	53	4	do	90	10-3-69	7-11-3-69	4-3-70	*** 16.0175	*** 17.0175	R168-129
	do	55	3	do	10,692	10-3-69	7-11-3-69	4-3-70	*** 16.0175	*** 17.0175	R168-129
	do	38	1	Panhandle Eastern Pipe Line Co. (Morton County, Kans.).	123	10-3-69	7-11-3-69	4-3-70	** 16.9	*** 17.0	
	do	40	5	Lone Star Gas Co. (Bryan County, Okla.) (Oklahoma "Other" Area).	229	10-3-69	7-11-3-69	4-3-70	15.015	** 17.915	R168-129
	do	52	3	Panhandle Eastern Pipe Line Co. (Beaver County, Okla.) (Panhandle Area).	261	10-3-69	7-11-3-69	4-3-70	** 17.01	*** 18.01	R168-129
	do	56	2	Lone Star Gas Co. (Stephens County, Okla.) (Oklahoma "Other" Area).	165	10-3-69	7-11-3-69	4-3-70	15.01	** 16.01	R168-129
	do	66	6	Michigan Wisconsin Pipe Line Co. (Dewey County, Okla.) (Oklahoma "Other" Area).	3,000	10-3-69	7-11-3-69	4-3-70	** 16.015	*** 18.015	R168-129

See footnotes at end of table.

APPENDIX A—Continued

Docket No.	Respondent	Rate schedule No.	Supplement No.	Purchaser and producing area	Amount of annual increase	Date filing tendered	Effective date unless suspended	Date suspended until—	Cents per Mcf		Rate in effect subject to refund in dockets Nos.
									Rate in effect	Proposed increased rate	
R170-331	Gulf Oil Corp., Post Office Box 1589, Tulsa, Okla. 74102.	307	2	Cities Service Gas Co. (Granite Wash Field, Hemphill County, Tex.) (RR. District No. 10).	\$4,175	10-1-69	11-1-69	4-1-70	\$ 17.25	** \$ 18.72	R168-167.
R170-332	Texaco, Inc. (Operator) et al., Post Office Box 2429, Tulsa, Okla. 74102.	166	13	Kansas-Nebraska Natural Gas Co., Inc. (Carrick Field, Texas County, Okla.) (Panhandle Area).	3,350	10-3-69	11-7-69	4-7-70	\$ 18.2	** \$ 18.4	R169-678.
R170-333	Edwin L. Cox (Operator) et al., 3800 First National Bank Bldg., Dallas, Tex. 75202.	39	2	Panhandle Eastern Pipe Line Co. (Seward County, Kans.).	667	10-3-69	11-3-69	4-3-70	\$ 16.0	** \$ 17.0	
R170-334	H. L. Hunt et al., 1401 Elm St., Dallas, Tex. 75202.	4	25	Texas Eastern Transmission Corp. (Whelan Field, Harrison County, Tex.) (RR. District No. 6).	3,013	9-29-69	11-1-69	4-1-70	16.67263	** 16.87350	R168-129.
R170-335	Tenneco, Inc., Post Office Box 430, Bellaire, Tex. 77401.	54	8	Tennessee Gas Pipeline Co., a division of Tenneco, Inc. (Santellana Field, Hidalgo County, Tex.) (RR. District No. 4).	2,600	9-29-69	11-1-69	4-1-70	\$ 15.6	** \$ 16.6	R166-333.
.....do.....	.....do.....	55	11	Tennessee Gas Pipeline Co., a division of Tenneco, Inc. (Raymondville Field, Willacy County, Tex.) (RR. District No. 4).	20,000 20,000	9-29-69	11-1-69	4-1-70	\$ 15.6 \$ 16.0	** \$ 16.6 ** \$ 17.0	R166-333. R166-333.
.....do.....	.....do.....	59	10	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (Government Wells Field, Duval County, Tex.) (RR. District No. 4).	400	9-29-69	11-1-69	4-1-70	\$ 15.6	** \$ 16.6	R168-807.
.....do.....	.....do.....	130	5	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (Magnolia City Field, Jim Wells County, Tex.) (RR. District No. 4).	.....	9-29-69	11-1-69	4-1-70	\$ 15.6	** \$ 16.6	R166-333.
.....do.....	.....do.....	138	5	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (North Hinson Field, Starr County, Tex.) (RR. District No. 4).	2,600	9-29-69	11-1-69	4-1-70	\$ 15.6	** \$ 16.6	R166-333.
.....do.....	.....do.....	193	5	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (Seeligson Field, Jim Wells County, Tex.) (RR. District No. 4).	300	9-29-69	11-1-69	4-1-70	\$ 15.6	** \$ 16.6	R166-333.
.....do.....	.....do.....	200	9	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (Plymouth Field, San Patricio County, Tex.) (RR. District No. 4).	.....	9-29-69	11-1-69	4-1-70	\$ 15.6	** \$ 16.6	R166-333.
.....do.....	.....do.....	261	9	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (Spartan Field, San Patricio County, Tex.) (RR. District No. 4).	1,130	9-29-69	11-1-69	4-1-70	\$ 15.6	** \$ 16.6	R166-333.
.....do.....	.....do.....	263	9	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (Seven Sisters Field, Duval County, Tex.) (RR. District No. 4).	.....	9-29-69	11-1-69	4-1-70	\$ 15.6	** \$ 16.6	R166-333.
.....do.....	.....do.....	373	2	Tennessee Gas Pipeline Co., a division of Tenneco Inc. (West Jennings Field, Zapata County, Tex.) (RR. District No. 4).	6,000	9-29-69	11-1-69	4-1-70	\$ 16.0	** \$ 17.0	
R170-336	San Oil Co., DX Division, 507 South Detroit Ave., Tulsa, Okla. 74120.	80	6	United Gas Pipe Line Co. (Maxie-Pistof Ridge Field, Forrest, Lamar, and Pearl River Counties, Miss.).	633	9-29-69	11-24-69	4-24-70	21.5	** 23.0	R168-424.

¹ Gas resold to El Paso Natural Gas Co. under West Lake's FPC Gas Rate Schedule No. 1.

² The stated effective date is the first day after expiration of the statutory notice.

³ The date West Lake's increased rate of 19 cents becomes effective. West Lake's rate is suspended in Docket No. R170-54 until Jan. 1, 1970.

⁴ Revenue-sharing rate increase.

⁵ Pressure base is 14.65 p.s.i.a.

⁶ The stated effective date is the effective date requested by Respondent.

⁷ Periodic rate increase.

⁸ Pressure base is 15.925 p.s.i.a.

⁹ Renegotiated rate increase.

¹⁰ Pressure base is 15.325 p.s.i.a.

¹¹ For new gas delivered after Feb. 1, 1969. Filing includes letter from the buyer providing for the increase.

¹² Pressure base is 16.4 p.s.i.a.

¹³ Increase from initial rate to contract rate.

¹⁴ "Fractured" rate increase. Respondent contractually due base rate of 22 cents per Mcf.

¹⁵ Includes 0.75-cent upward B.T.U. adjustment (1,075 B.T.U. gas). Base rate subject to upward and downward B.T.U. adjustment.

¹⁶ Respondent is filing from initial certificated rate to second periodic increase under contract.

¹⁷ Two-step periodic increase.

¹⁸ Subject to 0.5-cent deduction by buyer if buyer desulfurizes gas.

¹⁹ Subject to a downward B.T.U. adjustment.

²⁰ Includes 1.75-cent tax reimbursement.

²¹ Applicable only to gas produced below the Top of the Morrowan Series of the Pennsylvanian System.

²² Includes 0.6175-cent tax reimbursement.

²³ Corrected notice of change replaces notices of change dated Sept. 1, 1969, and Sept. 22, 1969, filed on Sept. 15, 1969, and Sept. 24, 1969, respectively.

²⁴ Includes 0.0675-cent tax reimbursement.

²⁵ "Fractured" rate increase. Respondent filing from initial certificated rate and is contractually due 18 cents initial contract base rate.

²⁶ Oklahoma "Other" Area production.

²⁷ Includes base rate of 15 cents plus upward B.T.U. adjustment before increase and 17.9 cents plus upward B.T.U. adjustment after increase. Base rate subject to upward and downward B.T.U. adjustment.

- 2 Respondent filing from initial certificated rate to initial contract rate;
- 3 Oklahoma Panhandle Area production.
- 4 Includes base rate of 17 cents plus upward B.t.u. adjustment before increase and 18 cents plus upward B.t.u. adjustment after increase. Base rate subject to upward and downward B.t.u. adjustment.
- 5 Applicable only to acreage added by Supplement No. 2.
- 6 Includes 0.015-cent tax reimbursement.
- 7 "Fractured" increase. Respondent contractually due base rate of 16.3070 cents plus 1.75 cents tax reimbursement.
- 8 Applicable only to acreage added by Supplement No. 2.
- 9 Respondent filing from initial certificated rate to initial contract rate;
- 10 H. L. Hunt et al., resells the gas under its Rate Schedule No. 4 to Texas Eastern Transmission Corp. at an effective rate of 14.6 cents subject to refund in Docket No. R109-100. Hunt filed a related increase to 16.87350 cents on Sept. 29, 1969, for which a 5-month suspension period from Nov. 1, 1969, is ordered herein in Docket No. R170-334.
- 11 Subject to a 0.75-cent per Mcf deduction by buyer for compression.
- 12 Filing from initial certificated rate to second periodic increase.
- 13 Subject to upward and downward B.t.u. adjustment.

- 14 Includes base price of 15 cents plus 0.705-cent upward B.t.u. adjustment (1.507 B.t.u. gas) plus 0.015-cent tax reimbursement before increase and base price of 16 cents plus 0.782-cent upward B.t.u. adjustment plus 0.015-cent tax reimbursement.
- 15 Applicable to production from Loshbough No. 1 Gas Unit.
- 16 Filing from initial certificated rate to initial contract rate plus tax reimbursement.
- 17 Includes 0.33-cent upward B.t.u. adjustment (1,033 B.t.u. gas).
- 18 Base rate subject to upward and downward B.t.u. adjustment.
- 19 Applicable to production from Piper No. 1 Gas Unit.
- 20 Includes 0.09-cent upward B.t.u. adjustment (1,009 B.t.u. gas).
- 21 Includes base price of 16 cents plus upward B.t.u. adjustment before increase and base price of 17 cents plus upward B.t.u. adjustment after increase.
- 22 Filing from initial certificated rate to first periodic increase.
- 23 Includes base price of 15 cents plus upward B.t.u. adjustment before increase and base price of 17.5 cents plus upward B.t.u. adjustment after increase.
- 24 "Fractured" rate increase. Respondent contractually due 19.5 cents per Mcf plus reimbursement.
- 25 The stated effective date is the contractual effective date.
- 26 For gas produced from basic acreage.
- 27 For gas produced from acreage added by Supplement No. 6.
- 28 Initial rate.

M. J. Brannon, Jr., requests that his proposed rate increase be permitted to become effective as of October 1, 1969. P & M Oil & Gas Co. requests a retroactive effective date of February 1, 1969, for its proposed rate increase. Foree Co. and Alfred C. Glassell, Jr., et al., request an effective date of September 1, 1969, for their proposed rate increases. Graham-Michaelis Drilling Co. (Operator) et al., request a retroactive effective date of May 21, 1969, for their rate increase. Edwin L. Cox requests retroactive effective dates of July 1, 1966, July 1, 1967, June 1, 1968, and July 1, 1968, for his proposed rate increases. Edwin L. Cox (Operator) et al., also requests a retroactive effective date of October 1, 1968, for their proposed rate increase. Good cause has not been shown for waiving the 30-day notice requirement provided in section 4(d) of the Natural Gas Act to permit earlier effective dates for the aforementioned producers' rate filings and such requests are denied.

General Crude Oil Co.'s (General) proposes a revenue-sharing rate increase to 9.5 cents per Mcf for a sale of gas to West Lake Natural Gasoline Co. (West Lake) in Nolan County, Tex. The proposed increase is 50 percent of West Lake's resale rate of 19 cents per Mcf to El Paso Natural Gas Co. which is suspended in Docket No. R170-54 until January 1, 1970. Although General's proposed increased rate is below the increased ceiling rate for Texas Railroad District No. 7-B as announced in the Commission's statement of general policy No. 61-1, as amended, it is a percentage portion of a suspended rate, and consistent with prior Commission action we conclude that it should be suspended until January 1, 1970, the expiration date of the suspension period for West Lake's related increase.

Shell Oil Co.'s (Shell) proposed increased rate of 22.1925 cents per Mcf is for a sale of gas in the Aneth Area of Utah that was certificated in Opinion No. 335. No formal guideline prices have been announced by the Commission for the Aneth Area. Since the proposed rate exceeds the authorized initial rate we conclude that it should be suspended for 5 months from October 30, 1969, the proposed effective date.

M. J. Brannon, Jr. (Brannon), did not include in his proposed rate increase the 1 cent per Mcf minimum guarantee for liquids as provided by the contract. Brannon is advised that a notice of change in rate will be required if he intends to collect the 1 cent minimum guarantee for liquids in the future.

Supplement No. 10 to Atlantic Richfield Co.'s (Atlantic) FPC Gas Rate Schedule No. 433 reflects a rate increase from 16.1 cents to 16.37775 cents per Mcf for a sale for resale to H. L. Hunt, et al. (Hunt). Hunt processes and resells the gas under its FPC Gas Rate Schedule No. 4 at a present effective rate of 16.6 cents which is subject to refund in Docket No. R169-160. Hunt has filed a related increase to 16.87350 cents per Mcf which is suspended herein for 5 months in Docket No. R170-334. Both Atlantic and Hunt's proposed rates exceed the area in-

creased rate ceiling for Texas Railroad District No. 6. They are suspended for 5 months from November 1, 1969, the proposed effective date.

All of the producers' proposed increased rates and charges exceed the applicable area price levels for increased rates as set forth in the Commission's statement of general policy No. 61-1, as amended (18 CFR 2.56) with the exception of the rate increase filed by Shell Oil Co. in the Aneth Area of Utah for which there is no announced formal ceiling for the area involved, but exceeds the authorized initial rate.

[F.R. Doc. 69-13143; Filed, Nov. 6, 1969; 8:45 a.m.]

[Docket No. G-7588 etc.]

EDGAR McCOMAS ET AL.

Findings and Order

OCTOBER 29, 1969.

Findings and order after statutory hearing issuing certificates of public convenience and necessity, amending orders issuing certificates, permitting and approving abandonment of service, terminating certificates, and accepting related rate schedules and supplements for filing.

Each of the applicants listed herein has filed an application pursuant to section 7 of the Natural Gas Act for a certificate of public convenience and necessity authorizing the sale and delivery of natural gas in interstate commerce or for permission and approval to abandon service or a petition to amend an order issuing a certificate, all as more fully set forth in the applications and petitions, as supplemented and amended.

Applicants have filed related FPC gas rate schedules or supplements thereto and propose to initiate, abandon, add to, or discontinue in part natural gas service in interstate commerce as indicated in the tabulation herein. All sales certificated herein are at rates either equal to or below the ceiling prices established by the Commission's statement of general policy No. 61-1, as amended, or involve sales for which permanent certificates have been previously issued; except that sales from areas for which area rates have been determined are authorized to be made at or below the applicable area base rates adjusted for quality of the gas, and under the conditions prescribed in the orders determining said rates.

The Commission's staff has reviewed each application and recommends each action ordered as consistent with all

substantive Commission policies and required by the public convenience and necessity.

After due notice by publication in the FEDERAL REGISTER, petitions to intervene by Philadelphia Gas Works Division of UGI Corp., Consolidated Edison Company of New York, Inc., and Long Island Lighting Co. were filed in Docket No. C169-1175, in the matter of the application filed on June 10, 1969, in said docket. Said petitions have either been withdrawn or are not in opposition to the granting of the application, and no other petitions to intervene, notices of intervention, or protests to the granting of any of the applications have been filed.

At a hearing held on October 23, 1969, the Commission in its own motion received and made a part of the record in this proceeding all evidence, including the applications and petitions, as supplemented and amended, and exhibits thereto submitted in support of the authorizations sought herein, and upon consideration of the record.

The Commission finds:

(1) Each applicant herein is a "natural-gas company" within the meaning of the Natural Gas Act as heretofore found by the Commission or will be engaged in the sale of natural gas in interstate commerce for resale for ultimate public consumption, subject to the jurisdiction of the Commission, and will, therefore, be a "natural-gas company" within the meaning of the Natural Gas Act upon the commencement of service under the authorizations hereinafter granted.

(2) The sales of natural gas hereinbefore described, as more fully described in the applications in this proceeding, will be made in interstate commerce subject to the jurisdiction of the Commission; and such sales by applicants, together with the construction and operation of any facilities subject to the jurisdiction of the Commission necessary therefor, are subject to the requirements of subsections (c) and (e) of section 7 of the Natural Gas Act.

(3) Applicants are able and willing properly to do the acts and to perform the service proposed and to conform to the provisions of the Natural Gas Act and the requirements, rules, and regulations of the Commissioner thereunder.

(4) The sales of natural gas by applicants, together with the construction and operation of any facilities subject to the jurisdiction of the Commission necessary therefor, are required by the public

convenience and necessity and certificates therefor should be issued as hereinafter ordered and conditioned.

(5) It is necessary and appropriate in carrying out the provisions of the Natural Gas Act that a certificate of public convenience and necessity should be issued in Docket No. CI61-1332 authorizing Cities Service Oil Co. (Operator) to continue the sales of natural gas heretofore authorized in said docket to be made pursuant to Presidio Operating Co. (Operator) et al., FPC Gas Rate Schedule No. 1.

(6) It is necessary and appropriate in carrying out the provisions of the Natural Gas Act that a certificate of public convenience and necessity should be issued in Docket No. CI70-44 authorizing applicants to continue the sales of natural gas heretofore authorized to be made pursuant to the predecessors' certificates in Dockets Nos. CI65-582, CI65-844, CI65-1224, and CI66-134; and that the certificates in the latter dockets should be terminated and the related rate schedules canceled, except Humble Oil & Refining Co. FPC Gas Rate Schedule No. 366 which will be redesignated as a rate schedule of applicants.

(7) It is necessary and appropriate in carrying out the provisions of the Natural Gas Act and the public convenience and necessity require that the orders issuing certificates of public convenience and necessity in various dockets involved herein should be amended as hereinafter ordered and conditioned.

(8) The sales of natural gas proposed to be abandoned as hereinbefore described and as more fully described in the applications and in the tabulation herein are subject to the requirements of subsection (b) of section 7 of the Natural Gas Act.

(9) The abandonments proposed by applicants herein are permitted by the public convenience and necessity and should be approved as hereinafter ordered.

(10) It is necessary and appropriate in carrying out the provisions of the Natural Gas Act that the certificates heretofore issued to applicants relating to the abandonments hereinafter permitted and approved should be terminated or that the orders issuing said certificates should be amended by deleting therefrom authorization to sell natural gas from the subject acreage.

(11) It is necessary and appropriate in carrying out the provisions of the Natural Gas Act that the FPC gas rate schedules and supplements related to the authorizations hereinafter granted should be accepted for filing.

The Commission orders:

(A) Certificates of public convenience and necessity are issued upon the terms and conditions of this order authorizing sales by applicants of natural gas in interstate commerce for resale, together with the construction and operation of any facilities subject to the jurisdiction of the Commission necessary therefor, all as hereinbefore described and as more

fully described in the applications and in the tabulation herein.

(B) The certificates granted in paragraph (A) above are not transferable and shall be effective only so long as applicants continue the acts or operations hereby authorized in accordance with the provisions of the Natural Gas Act and the applicable rules, regulations, and orders of the Commission.

(C) The grant of the certificates issued in paragraph (A) above shall not be construed as a waiver of the requirements of section 4 of the Natural Gas Act or of Part 154 or Part 157 of the Commission's regulations thereunder and is without prejudice to any findings or orders which have been or which may hereafter be made by the Commission in any proceedings now pending or hereafter instituted by or against applicants. Further, our action in this proceeding shall not foreclose nor prejudice any future proceedings or objections relating to the operation of any price or related provisions in the gas purchase contracts herein involved. Nor shall the grant of the certificates aforesaid for service to the particular customers involved imply approval of all of the terms of the contracts, particularly as to the cessation of service upon termination of said contracts as provided by section 7(b) of the Natural Gas Act. The grant of the certificates aforesaid shall not be construed to preclude the imposition of any sanctions pursuant to the provisions of the Natural Gas Act for the unauthorized commencement of any sales of natural gas subject to said certificates.

(D) The grant of the certificates issued herein on certain applications filed after July 1, 1967, is upon the condition that no increase in rate which would exceed the ceiling prescribed for the given area by paragraph (d) (3) of the Commission's statement of general policy No. 61-1, as amended, shall be filed prior to the applicable date indicated in the tabulation herein.

(E) The certificates issued herein are subject to the following conditions:

(a) The initial rates for sales authorized in Docket No. CI61-1332 shall be the applicable area base rates prescribed in Opinion No. 468, as modified by Opinion No. 468-A, as adjusted for quality of gas, or the contract rates, whichever are lower. If the quality of the gas delivered by applicant deviates at any time from the quality standards set forth in Opinion No. 468, as modified by Opinion No. 468-A, so as to require a downward adjustment of the existing rate, a notice of change in rate shall be filed pursuant to section 4 of the Natural Gas Act: *Provided, however,* That adjustments reflecting changes in B.t.u. content of the gas shall be computed by the applicable formula and charged without the filing of a notice of change in rate. Within 45 days from the date of this order applicant shall file a rate schedule quality statement in the form prescribed in Opinion No. 468-A.

(b) Applicant in Docket No. CI61-1332 shall file a refund report within 90 days

from the date of this order, with a copy served upon Transwestern Pipeline Co., showing all amounts collected in excess of the applicable area rate for each category of gas from September 1, 1966, the interest at the rate of 7 percent per annum through September 30, 1969. Transwestern shall file with the Commission its written concurrence or disagreement with such report, and if it disagrees, the reason for such disagreement, and serve a copy thereof on applicant.

(c) Presidio Operating Co. (Operator) et al., and Eugene E. Nearburg and Tom L. Ingram, doing business as Nearburg & Ingram (Operator) are not relieved of their obligation to refund monies collected in excess of the ultimate rate determined to be proper in Docket No. CI61-1332 for sales made under their temporary certificates from October 30, 1964, to September 1, 1966, for Presidio Operating Co. and from the date of initial delivery to October 30, 1964, for Nearburg & Ingram.

(d) The initial rates for sales authorized in Docket No. CI69-1175 shall be 20 cents per Mcf at 15.025 p.s.i.a. (gas-well gas) and 18.5 cents per Mcf at 15.025 p.s.i.a. (casinghead gas), the applicable area base rates prescribed in Opinion No. 546, as modified by Opinion No. 546-A, as adjusted for quality of gas, or the contract rates, whichever are lower. If the quality of the gas delivered by applicant deviates at any time from the quality standards set forth in Opinion No. 546, as modified by Opinion No. 546-A, so as to require a downward adjustment of the existing rate, a notice of change in rate shall be filed pursuant to section 4 of the Natural Gas Act: *Provided, however,* That adjustments reflecting changes in B.t.u. content of the gas shall be computed by the applicable formula and charged without the filing of a notice of change in rate. Within 90 days from the date of initial delivery applicant shall file a rate schedule quality statement in the form prescribed in Opinion No. 546.

(e) The initial rate for the sale authorized in Docket No. CI66-489 (Oklahoma Panhandle area only) shall be 17 cents per Mcf at 14.65 p.s.i.a. including tax reimbursement and subject to B.t.u. adjustment.

(f) The initial rate for the sale authorized in Docket No. CI66-489 (Oklahoma "Other" area only) shall be 15 cents per Mcf at 14.65 p.s.i.a. including tax reimbursement and subject to B.t.u. adjustment. In the event that the Commission amends its statement of general policy No. 61-1, by adjusting the boundary between the Oklahoma Panhandle area and the Oklahoma "Other" area, so as to increase the initial wellhead price for new gas, applicant thereupon may substitute the new rate reflecting the amount of such increase and thereafter collect the new rate prospectively in lieu of the initial rate herein authorized in said docket.

(g) The initial rate for the sale authorized in Docket No. CI69-1227 shall be 15 cents per Mcf at 15.025 p.s.i.a.

(h) The initial rate for the sale authorized in Docket No. CI70-82 shall be 17 cents per Mcf at 14.65 p.s.i.a. subject to upward and downward B.t.u. adjustment. Applicant shall not require buyer to take-or-pay for an annual quantity of gas during the first 2 contract years which is in excess of an average of 1 Mcf per day for each 3,650 Mcf of determined gas reserves.

(F) A certificate of public convenience and necessity is issued in Docket No. CI61-1332 authorizing Cities Service Oil Co. (Operator) to continue the sales of natural gas heretofore authorized in said docket to be made pursuant to Presidio Operating Co. (Operator) et al., FPC Gas Rate Schedule No. 1.

(G) A certificate of public convenience and necessity is issued in Docket No. CI70-44 authorizing applicants to continue the sales of natural gas heretofore authorized to be made pursuant to the predecessors' certificates in Dockets Nos. CI65-582, CI65-844, CI65-1224, and CI66-134; the certificates in the latter dockets are terminated and the related rate schedules are canceled, except Humble Oil & Refining Co. FPC Gas Rate Schedule No. 366 which is redesignated as J. Gregory Merrion et al., FPC Gas Rate Schedule No. 10.

(H) The orders issuing certificates in Dockets Nos. CI61-1024, CI63-1300, CI67-205, and CI88-1033 are amended by adding thereto or deleting therefrom authorization to sell natural gas as described in the tabulation herein.

(I) The orders issuing certificates in Dockets Nos. G-14369 and G-15052 are amended by deleting therefrom authorization to sell natural gas from acreage assigned to applicants in Dockets Nos. CI70-43 and CI70-172, respectively.

(J) The orders issuing certificates in Dockets Nos. G-7588, CI61-980, CI62-1459, CI63-1524, CI64-923, CI65-645, CI65-870, CI65-951, CI65-1344, CI66-659, CI66-761, CI66-1201, and CI67-1164 are amended by substituting the successors in interest as certificate holders.

(K) Royal Oil & Gas Corp. et al., shall be responsible for any refunds to Natural Gas Pipeline Company of America which may be ordered in Docket No. CI62-1459 for the period subsequent to April 1, 1963, and Cherosage Enterprises, Inc., shall be responsible for refunds prior to April 1, 1963.

(L) Permission for an approval of the abandonment of service by applicants, as hereinbefore described, all as more fully described in the applications and in the tabulation herein are granted.

(M) The certificates heretofore issued in Dockets Nos. G-8350, G-12974, and CI66-1280 are terminated.

(N) Rush Run Oil & Gas Co. FPC Gas Rate Schedule No. 1 is canceled.

(O) The rate schedules and rate schedule supplements related to the authorizations granted herein are accepted for filing or are redesignated, all as described in the tabulation herein.

By the Commission.

[SEAL] GORDON M. GRANT,
Secretary.

Docket No. and date filed	Applicant	Purchaser, field, and location	FPC rate schedule to be accepted	
			Description and date of document	No. Supp.
G-7588 E 8-15-69	Edgar McComas (successor to R. H. Adkins, doing business as John Gas Co.).	United Fuel Gas Co., Laurel Hill District, Lincoln County, W. Va.	R. H. Adkins, doing business as John Gas Co., FPC GRS No. 5 Supplement Nos. 1-2 Notice of succession 8-15-69.	1 1 1-2
G-8350 ¹	Rush Run Oil & Gas Co.	Consolidated Gas Supply Corp., Washington District, Calhoun County, W. Va.	Assignment 5-12-55 ¹ Effective date: 5-12-55.	1 1
CI61-980 E 8-19-69	Roy C. and Freeda M. Davison (successor to Henry C. Breck).	Equitable Gas Co., Freemans Creek District, Lewis County, W. Va.	Henry C. Breck, FPC GRS No. 1. Notice of succession 8-6-69.	3
CI61-1024 D 8-18-69	Mobil Oil Corp. (Operator) et al.	Natural Gas Pipeline Co. of America, North Custer City Field, Custer County, Okla.	Assignment 7-1-60 ¹ Effective date: 7-1-60. Notice of partial cancellation 8-14-69. ²	3 1
CI61-1024 D 2-17-69	do.	do.	Notice of partial cancellation 8-14-69. ³	266 11
CI61-1332 A 3-13-61 E 12-3-64 E 9-19-66	Cities Service Oil Co. (Operator) ¹ (successor to Presidio Operating Co. (Operator) et al.).	Transwestern Pipeline Co., Bluff Plant, Roosevelt County, N. Mex.	Assignment 1-30-69 ¹ Assignment 1-30-69 ² Presidio Operating Co. (Operator) et al., FPC GRS No. 1. Supplement Nos. 1-2 Notice of succession 9-15-66.	266 11 266 13 213 1-2
CI62-1459 E 8-14-69	Royal Oil & Gas Corp. et al. (successor to Patchin-Wilmoth Industries, Inc., et al.).	Natural Gas Pipeline Co. of America, Hebbroville Area, Jim Hogg County, Tex.	Assignment 9-1-66 Patchin-Wilmoth Industries, Inc., et al., FPC GRS No. 1. Article of merger 12-18-68. Effective date: 1-1-69.	11 1
CI63-1300 D 8-18-69	Mobil Oil Corp. (Operator).	Natural Gas Pipeline Co. of America, West Crane and Putnam Fields, Dewey County, Okla.	Notice of partial cancellation 8-14-69. ¹	339 14
CI63-1300 D 2-17-69	Mobil Oil Corp. (Operator) et al.	do.	Assignment 1-30-69 ¹ Assignment 1-30-69 ²	339 15 339 16
CI63-1324 E 7-22-69	Royal Oil & Gas Corp. (successor to Trojan Coal & Petroleum Corp.).	Consolidated Gas Supply Corp., Elk District, Barbour County, W. Va.	Trojan Coal & Petroleum Corp., FPC GRS No. 1. Supplement No. 1. Article of merger 12-18-68. Effective date: 1-1-69.	3 1 3 2
CI64-923 E 8-29-69	D. W. Hamilton (Operator) et al. (successor to W. H. Bryant (Operator) et al.).	Lone Star Gas Co., Penn-Griffith Field, Rusk County, Tex.	W. H. Bryant (Operator) et al., FPC GRS No. 3. Supplement No. 1. Notice of succession 8-16-69.	1 1 1 1
CI65-645 E 7-22-69	Royal Oil & Gas Corp. (successor to Trojan Coal & Petroleum Corp.).	Consolidated Gas Supply Corp., Center District, Gilmer County, W. Va.	Assignment 10-22-68 ¹ Effective date: 10-1-68. Trojan Coal & Petroleum Corp., FPC GRS No. 2. Supplement No. 1. Article of merger 12-18-68. Effective date: 1-1-69.	4 1 4 2
CI65-870 E 7-22-69	do.	Consolidated Gas Supply Corp., Glenville District, Gilmer County, W. Va.	Trojan Coal & Petroleum Corp., FPC GRS No. 3. Supplement No. 1. Article of merger 12-18-68. Effective date: 1-1-69.	5 1 5 2
CI65-951 E 7-22-69	do.	Consolidated Gas Supply Corp., Troy District, Gilmer County, W. Va.	Trojan Coal & Petroleum Corp., FPC GRS No. 4. Supplement No. 1. Article of merger 12-18-68. Effective date: 1-1-69.	6 1 6 2
CI65-1344 E 7-22-69	do.	Consolidated Gas Supply Corp., Center District, Gilmer County, W. Va.	Trojan Coal & Petroleum Corp., FPC GRS No. 5. Article of merger 12-18-68. Effective date: 1-1-69.	7 1 7 1
CI66-489 A 12-9-65	Phillips Petroleum Co. (Operator) et al. ¹	Panhandle Eastern Pipe Line Co., Selling Field, Dewey County, Okla., and Woodward County, Okla.	Contract 10-25-65.	421
CI66-639 E 7-22-69	Royal Oil & Gas Corp. (successor to Trojan Coal & Petroleum Corp.).	Consolidated Gas Supply Corp., Center District, Gilmer County, W. Va.	Trojan Coal & Petroleum Corp., FPC GRS No. 6. Article of merger 12-18-68. Effective date: 1-1-69.	8 1 8 1
CI66-761 E 7-22-69	do.	do.	Trojan Coal & Petroleum Corp., FPC GRS No. 7. Article of merger 12-18-68. Effective date: 1-1-69.	9 1 9 1

Filing code: A—Initial service.
B—Abandonment.
C—Amendment to add acreage.
D—Amendment to delete acreage.
E—Succession.
F—Partial succession.

See footnotes at end of table.

Docket No. and date filed	Applicant	Purchaser, field, and location	FPC rate schedule to be accepted	Description and date of document	No. Supp.
CIT9-120L E 7-12-49	Royal Oil & Gas Corp. (successor to Patchin-Wilmoth Industries, Inc.)	Consolidated Gas Supply Corp., Glenview District, Gilmer County, W. Va.	12	Patchin-Wilmoth Industries, Inc., FPC GR5 No. 2.	12
CIT9-205 C 7-11-49	Dalco Oil Co.	Panhandle Eastern Pipe Line Co., South Peak Field, Ellis County, Okla.	12	Supplement No. 1.	12
CIT9-1194 E 7-22-49	Royal Oil & Gas Corp. et al. (successor to Trohan Coal & Petroleum Corp.) et al.	Consolidated Gas Supply Corp., Center District, Gilmer County, W. Va.	1	Article of merger 12-15-48.	1
CIT9-1028 C 8-4-49	Tenneco Oil Co.	El Paso Natural Gas Co., Pictured Cliffs Field, San Juan County, N. Mex.	23	Article of merger 12-15-48.	23
CIT9-1175 A 6-10-49	Geaf Oil Corp. ¹⁸	Texas Gas Transmission Corp., Church Point Field, Acadia Parish, La.	411	Supplemental agreement 7-16-49.	411
CIT9-1227 A 6-25-49	Marathon Oil Co. (Operator). ¹⁹	Kansas-Nebraska Natural Gas Co., Inc., West Sidney Area, Cheyenne County, Neb.	109	Contract 5-9-49.	109
CIT9-48 (G-14369) F 7-7-49	J. Gregory Morrison et al. (successor to Humble Oil & Refining Co.).	El Paso Natural Gas Co., Bluff Field, San Juan County, Utah.	9	Contract 11-25-47.	9
(G-14369) ¹⁸	Humble Oil & Refining Co.	El Paso Natural Gas Co., South Area, San Juan County, Utah.	10	Letter agreement 11-25-47.	10
CIT9-44 E 7-7-49 (C195-482) ¹⁹ (C195-1284) ¹⁹ (C195-1381) ¹⁹ (C195-844) ¹⁹	J. Gregory Morrison et al.	Montana-Dakota Utilities Co., Pilsen Creek Unit, Fremont County, Wyo.	19	Letter agreement 1-8-58.	19
CIT9-82 A 7-28-49	PetroDynamics, Inc. (Operator) et al.	Northern Natural Gas Co., Salt Lake in Beaver County, Okla.	15	Letter agreement 12-31-48.	15
CIT9-115 A 6-12-49	W. G. Bailey	United Fuel Gas Co., Lincoln District, Wayne County, W. Va.	1	Letter agreement 5-13-48.	1
CIT9-139 A 6-15-49	White Shield Oil & Gas Corp.	Consolidated Gas Supply Corp., Center District, Gilmer County and Salt Lake and Other Districts, Bevens County, W. Va.	1	Assignment 10-20-54.	1
CIT9-102 A 6-15-49	David A. Paschke	Consolidated Gas Supply Corp., Hackers Creek District, Lewis County, W. Va.	2	Contract 2-11-49.	2
CIT9-172 (G-15023) F 8-19-49	Northeast Texas Production Co. (successor to MAPCO Production Co.).	Mississippi River Transmission Corp., Woodlawn Field, Harrison County, Tex.	1	Contract 4-25-51.	1

See footnotes at end of table.

Docket No. and date filed	Applicant	Purchaser, field, and location	FPC rate schedule to be accepted	Description and date of document	No. Supp.
CIT9-173 A 8-25-49	Western Petroleum, Inc.	Consolidated Gas Supply Corp., Cooper Creek Field, Kanawha County, W. Va.	3	Contract 7-11-49.	3
CIT9-182 (C195-1280) B 8-25-49	Phillips Petroleum Co. (Operator) et al.	Southern Natural Gas Co., Kelly Field, Jackson Parish, La.	430	Notice of cancellation 8-22-49.	430
CIT9-183 (G-13751) B 8-25-49	Phillips Petroleum Co.	Cities Service Gas Co., Arvad Field, Woods County, Okla.	207	Notice of cancellation 8-22-49.	207
CIT9-166 A 8-25-49	Royal Oil & Gas Corp.	Consolidated Gas Supply Corp., Center District, Calhoun County, W. Va.	13	Contract 3-15-49.	13
CIT9-187 A 8-25-49	Rockey Drilling Co. et al.	Consolidated Gas Supply Corp., Elk District, Harrison County, W. Va.	1	Contract 3-13-49.	1
CIT9-188 A 8-25-49	Windle Fae Morris, agent for Russell G. Beall et al.	Consolidated Gas Supply Corp., Murphy District, Ritchie County, W. Va.	10	Contract 4-14-49.	10
CIT9-192 A 8-25-49	Hensberger Explorations, Inc.	Consolidated Gas Supply Corp., Grant District, Doddridge County, W. Va.	1	Contract 3-6-49.	1
CIT9-190 A 8-25-49	James F. Scott, agent for Hensberger Explorations, Inc. et al.	Consolidated Gas Supply Corp., Grant District, Wetzel County, W. Va.	14	Contract 3-7-49.	14
CIT9-192 A 8-25-49	Hays & Co., agent for Lee Scott.	Consolidated Gas Supply Corp., De Kalb District, Gilmer County, W. Va.	203	Contract 3-13-49.	203
CIT9-193 A 8-25-49	William K. Hineshaw, agent for Robinson Gas Co. et al.	Consolidated Gas Supply Corp., Clay District, Etches County, W. Va.	1	Contract 3-4-49.	1
CIT9-194 A 8-25-49	Hays & Co., agent for Ferrel L. Frier, d.b.a. Price Oil Well Drilling Co.	Consolidated Gas Supply Corp., Troy District, Gilmer County, W. Va.	222	Contract 3-12-49.	222
CIT9-195 A 8-25-49	James F. Scott, d.b.a., Buffalo Oil Co.	Consolidated Gas Supply Corp., Union District, Harrison County, W. Va.	13	Contract 3-11-49.	13
CIT9-196 A 8-25-49	H. E. Acker et al.	Consolidated Gas Supply Corp., Frenshaw Creek District, Lewis County, W. Va.	2	Contract 3-24-49.	2
CIT9-197 A 8-25-49	Harold Phillips, agent for J. & H. Production, Inc.	Consolidated Gas Supply Corp., Coal District, Harrison County, W. Va.	1	Contract 3-28-49.	1
CIT9-198 A 8-25-49	Joseph H. Harper et al.	Consolidated Gas Supply Corp., Collins and Backs Districts, Lewis and Upshur Counties, W. Va.	8	Contract 3-11-49.	8
CIT9-200 A 8-25-49	Alighery Land & Mineral Co.	Consolidated Gas Supply Corp., Union and Washburn Districts, Upshur County, W. Va.	17	Contract 6-5-48.	17
CIT9-201 A 8-25-49	Lloyd G. Jackson et al., d.b.a. J. & G. Investment Co.	Consolidated Gas Supply Corp., Union District, Upshur and Barbour Counties, W. Va.	8	Contract 12-10-48.	8
CIT9-205 A 8-27-49	Jones & Pollock Oil Co.	Michigan Wisconsin Pipe Line Co., Laversa Field, Harper County, Okla.	11	Contract 7-14-49.	11

- ¹ Assigns acreage from R. H. Adkins, doing business as John Gas Co. to Edgar McComas.
- ² No abandonment filing made by Applicant. By letter dated June 30, 1969, Consolidated states that Applicant's gas purchase Contract No. 1042 dated Jan. 9, 1936, was canceled because deliveries had declined to the point where purchase thereof was no longer economical. Therefore, the certificate heretofore issued in Docket No. G-8350 will be terminated and the related rate schedule canceled.
- ³ Effective date: Date of this order.
- ⁴ Assigns acreage from Henry C. Brook to Roy C. and Freeda M. Davison.
- ⁵ Acreage being deleted due to cancellation or expiration of lease as identified by letter agreement with buyer submitted concurrently with filing (service never commenced).
- ⁶ Assigns acreage to Sun Oil Co. who drilled a dry hole and does not intend to develop the acreage further; Assignment No. 8-6030BA (Supp. No. 12) and Assignment No. 8-6030BB (Supp. No. 13), respectively.
- ⁷ By letter dated Sept. 30, 1968, Applicant expressed willingness to accept a permanent certificate containing Opinion No. 468 and 468-A conditions and by letter dated Aug. 25, 1969, expressed willingness to refund amounts in excess of applicable Opinion No. 468 rates.
- ⁸ Assigns acreage to Sun Oil Co. who drilled a dry hole and does not intend to develop the acreage further; Assignment No. 8-6224-Y (Supp. No. 15) and Assignment No. 8-6224-W (Supp. No. 16), respectively.
- ⁹ Assigns acreage from W. H. Bryant (Operator) et al., to D. W. Hamilton (Operator) et al.
- ¹⁰ By letter filed July 22, 1969, Applicant advised willingness to accept a permanent certificate conditioned to initial rates of 17 cents per Mcf (Panhandle area) and 15 cents per Mcf (Other area), both including tax reimbursement and subject to B.L.N. adjustment.
- ¹¹ Jan. 1, 1970, moratorium pursuant to the Commission's statement of general policy No. 61-1, as amended.
- ¹² Effective date: Date of initial delivery (Applicant shall advise the Commission as to such date).
- ¹³ Jan. 1, 1974, moratorium provided by Opinion No. 546-A.
- ¹⁴ Applicant states its willingness to accept a permanent certificate conditioned to the provisions of Opinion Nos. 546 and 546-A.
- ¹⁵ Temporary certificate issued Aug. 22, 1969. By letter filed Sept. 8, 1969, Applicant advised willingness to accept a permanent certificate conditioned to an initial rate of 15 cents per Mcf at 15,025 p.s.l.a.
- ¹⁶ Between The Carter Oil Co. and El Paso Natural Gas Co.; on file as Humble Oil & Refining Co. FPC GRS No. 212.
- ¹⁷ Assigns acreage from Humble Oil & Refining Co. to Merrion and Bayless.
- ¹⁸ No certificate filing made or necessary; only the related rate filing is being accepted for filing by this order.
- ¹⁹ Applicants are filing to continue in toto the sales of natural gas heretofore authorized to be made pursuant to the predecessors' certificates in Dockets Nos. C165-582, C165-844, C165-1224, and C166-134; therefore, said certificates will be terminated and the related rate schedules canceled except for Humble's FPC GRS No. 306 which is being redesignated as that of Applicants.
- ²⁰ Ratification of the Humble contract by Merrion et al.
- ²¹ Preliminary assignment of Gulf Oil Corp. interest presently covered under its FPC GRS No. 368.
- ²² Preliminary assignment of Patrick A. Doherty et al., interest covered under its FPC GRS No. 5.
- ²³ Assigns interest of Featherstone Farms Ltd., to Merrion et al., presently covered under its FPC GRS No. 1.
- ²⁴ Complies with temporary certificate issued Aug. 29, 1969. Applicant states willingness to accept a permanent certificate conditioned to a take-or-pay obligation of 1 to 3,650 ratio of reserves for the first 2 years.
- ²⁵ Between M. D. Bailey, seller and United Fuel Gas Co., buyer.
- ²⁶ From M. D. Bailey to W. G. Bailey. Sale being rendered on June 7, 1934, by predecessor; no certificate or rate filings were made by predecessor.
- ²⁷ Currently on file as MAPCO Production Co. (Operator) et al., FPC GRS No. 4.
- ²⁸ Not previously filed by predecessor. Provides basis for connection of deficient wells (as defined in letter agreement), at lower price.
- ²⁹ Conveys acreage from MAPCO Production Co. to Applicant (Gladys Davis Gas Unit No. 1 and Frank Davis Gas Unit No. 1).
- ³⁰ Source of gas depleted.
- ³¹ Limited to gas produced from the Besson Sand and above.

[F.R. Doc. 69-13144; Filed, Nov. 6, 1969; 8:45 a.m.]

FEDERAL RESERVE SYSTEM

FIRST NATIONAL BANCORPORATION

Notice of Request and Order for Hearing

Notice is hereby given that request has been made to the Board of Governors of the Federal Reserve System, pursuant to section 4(c)(8) of the Bank Holding Company Act of 1956 (12 U.S.C. 1843(c)(8)), and § 222.4(a) of the Board's Regulation Y (12 CFR 222.4(a)), by the First National Bancorporation, Denver, Colo., a bank holding company, for a determination that the planned insurance activities of its proposed non-banking subsidiaries, Diversified Insurance, Inc. and Guaranty Insurers, Inc., are of the kind described in the aforementioned sections of the Act and the regulation so as to make it unnecessary for the prohibitions of section 4 of the Act with respect to the acquisition or retention of shares in nonbanking organizations to apply in order to carry out the purposes of the Act.

Inasmuch as section 4(c)(8) of the Act requires that any determination pursuant thereto be made by the Board after due notice and hearing and on the basis of the record made at such hearing:

It is hereby ordered, That pursuant to section 4(c)(8) of the Bank Holding Company Act and in accordance with §§ 222.4(a) and 222.5(a) of the Board's Regulation Y (12 CFR 222.4(a), 222.5(a)), promulgated under the Bank Holding Company Act, a hearing with respect

to this matter be held commencing on December 11, 1969, at 10 a.m. at the Denver Branch of the Federal Reserve Bank of Kansas City, 17th and Arapahoe Streets, Denver, Colo. 80217, before Leonard J. Ralston (whose address is Small Business Administration, 1441 L Street NW., Washington, D.C. 20416), a hearing examiner selected by the Civil Service Commission, pursuant to section 3344 of title 5 of the United States Code. The hearing will be conducted according to the Board's rules of practice for formal hearings (12 CFR Part 263). The right is reserved to the Board or the hearing examiner to designate any other date or place for such hearing or any part thereof which may be determined to be necessary or appropriate for the convenience of the parties. The Board's rules of practice for formal hearings provide, in part, "Unless otherwise specifically provided by statute or by rule of the Board, a hearing shall ordinarily be private and shall be attended only by the parties, their representatives or counsel, representatives of the Board, witnesses while testifying, and other persons having an official interest in the proceeding: *Provided, however,* That, on written request by a party or a representative of the Board, or on the Board's own motion, the Board, in its discretion and to the extent permitted by law, may permit other persons to attend or may order the hearing to be public."

Any person desiring to give testimony at the hearing should file with the Secretary of the Board, directly or through the Federal Reserve Bank of Kansas City,

Federal Reserve Station, Kansas City, Mo. 64198, on or before November 28, 1969, a written request containing a statement of the nature of the petitioner's interest in the proceeding, and a summary of the matters concerning which said petitioner wishes to give testimony. Such requests will be present to the hearing examiner, and the persons submitting the requests will be notified, prior to the hearing, of his determination thereon. The applications may be inspected at the Federal Reserve Bank of Kansas City, 925 Grand Avenue, Kansas City, Mo., or at the Federal Reserve Building, 20th Street and Constitution Avenue NW., Washington, D.C.

Dated at Washington, D.C., this 31st day of October 1969.

By order of the Board of Governors.

[SEAL] ROBERT P. FORRESTAL,
Assistant Secretary.

[F.R. Doc. 69-13270; Filed, Nov. 6, 1969; 8:46 a.m.]

SECURITIES AND EXCHANGE COMMISSION

[812-2592]

COMMON STOCK FUND OF STATE BOND AND MORTGAGE CO. AND STATE BOND AND MORTGAGE CO.

Notice of Filing of Application for Order of Exemption

NOVEMBER 3, 1969.

Notice is hereby given that Common Stock Fund of State Bond and Mortgage Co. ("Common Stock Fund"), an open-end management investment company organized under the laws of the State of Maryland and registered under the Investment Company Act of 1940 ("Act"), and State Bond and Mortgage Co. ("State Bond and Mortgage"), 28 North Minnesota Street, New Ulm, Minn. 56073 (a registered face-amount certificate company organized under the laws of the State of Minnesota), which acts as principal underwriter for and investment adviser to Common Stock Fund ("Applicants"), have filed an application pursuant to section 6(c) of the Act, requesting an order of the Commission, exempting from the provisions of section 22(d) of the Act the sale by Applicants and any successor principal underwriter, of redeemable securities of Common Stock Fund without the usual sales charge to officers, directors, salesmen, and bona-fide full-time employees of wholly owned subsidiaries of State Bond and Mortgage who have been such for more than 90 days. All interested persons are referred to the application on file with the Commission for a statement of the representations therein which are summarized below:

Shares of Common Stock Fund are ordinarily offered to the general public at a public offering price which is the net asset value per share at the time of purchase plus a maximum sales charge of

8 percent of the public offering price, reduced on a declining scale for sales involving larger amounts.

Section 22(d) of the Act provides in substance that no registered investment company shall sell any redeemable security issued by it, and no principal underwriter of such security shall sell any such security except at a current public offering price described in the prospectus.

Common Stock Fund and State Bond and Mortgage seek the exemption in order to place employees, directors, and officers of wholly owned subsidiaries of State Bond and Mortgage in a position of equality with employees, directors and officers of State Bond and Mortgage. The sales would be made pursuant to a uniform offer described in the prospectus of Common Stock Fund and would be made only upon the written representation of the purchaser that the purchase is made for investment purposes and that the securities will not be resold except through redemption or repurchase by or on behalf of the issuer.

Applicants represent that the exemption would aid in improving relationships with employees, promote internal harmony among the employees of wholly owned subsidiaries of State Bond and Mortgage, facilitate the coordination of employee benefits, and provide for equal treatment of all employees, the proper performance of whose duties are of prime concern to State Bond and Mortgage.

Applicants further state that no sales expense will be incurred in the sales of shares for which exemption from the provisions of section 22(d) is sought. There will be no personal contact by sales representatives in connection with such sales, announcement of the availability of the shares will be made through internal house publications, and investments will ordinarily be made through a payroll deduction plan.

Section 6(c) of the Act provides that the Commission, by order upon application, may conditionally or unconditionally, exempt any person or transaction from any provision of the Act or any regulation thereunder, if and to the extent such exemption is necessary or appropriate in the public interest and consistent with the protection of investors and the purposes fairly intended by the policy and provisions of the Act.

Notice is further given that any interested person may, not later than November 19, 1969, submit to the Commission in writing a request for a hearing on the matter accompanied by a statement as to the nature of his interest, the reason for such request and the issues of fact or law proposed to be controverted, or he may request that he be notified if the Commission shall order a hearing thereon. Any such communication should be addressed: Secretary, Securities and Exchange Commission, Washington, D.C. 20549. A copy of such request shall be served personally or by mail (airmail if the person being served is located more than 500 miles from the point of mailing) upon applicants at the address stated

above. Proof of such service (by affidavit or in case of an attorney at law by certificate) shall be filed contemporaneously with the request. At any time after said date, as provided by Rule 0-5 of the rules and regulations promulgated under the Act, an order disposing of the application herein may be issued by the Commission upon the basis of the information stated in said application, unless an order for hearing upon said application shall be issued upon request or upon the Commission's own motion. Persons who request a hearing or advice as to whether a hearing is ordered will receive notice of further developments in this matter, including the date of the hearing (if ordered) and any postponements thereof.

For the Commission (pursuant to delegated authority).

[SEAL]

ORVAL L. DuBOIS,
Secretary.

[P.R. Doc. 69-13275; Filed, Nov. 6, 1969;
8:46 a.m.]

[812-2593]

DIVERSIFIED FUND OF STATE BOND AND MORTGAGE CO. AND STATE BOND AND MORTGAGE CO.

Notice of Filing of Application for Order of Exemption

NOVEMBER 3, 1969.

Notice is hereby given that Diversified Fund of State Bond and Mortgage Co. ("Diversified Fund"), an open-end management investment company organized under the laws of the State of Maryland and registered under the Investment Company Act of 1940 ("Act"), and State Bond and Mortgage Co. ("State Bond and Mortgage"), 28 North Minnesota Street, New Ulm, Minn. 56073 (a registered face-amount certificate company organized under the laws of the State of Minnesota), which acts as principal underwriter for and investment adviser to Diversified Fund ("Applicants"), have filed an application pursuant to section 6(c) of the Act, requesting an order of the Commission, exempting from the provisions of section 22(d) of the Act the sale by Applicants and any successor principal underwriter, of redeemable securities of Diversified Fund without the usual sales charge to officers, directors, salesmen, and bona-fide full-time employees of wholly owned subsidiaries of State Bond and Mortgage who have been such for more than 90 days. All interested persons are referred to the application on file with the Commission for a statement of the representations therein which are summarized below:

Shares of Diversified Fund are ordinarily offered to the general public at a public offering price which is the net asset value per share at the time of purchase plus a maximum sales charge of 8 percent of the public offering price, reduced on a declining scale for sales involving larger amounts.

Section 22(d) of the Act provides in substance that no registered investment company shall sell any redeemable security issued by it, and no principal underwriter of such security shall sell any such security except at a current public offering price described in the prospectus.

Diversified Fund and State Bond and Mortgage seek the exemption in order to place employees, directors, and officers of wholly owned subsidiaries of State Bond and Mortgage in a position of equality with employees, directors and officers of State Bond and Mortgage. The sales would be made pursuant to a uniform offer described in the prospectus of Diversified Fund and would be made only upon the written representation of the purchaser that the purchase is made for investment purposes and that the securities will not be resold except through redemption or repurchase by or on behalf of the issuer.

Applicants represent that the exemption would aid in improving relationships with employees, promote internal harmony among the employees of wholly owned subsidiaries of State Bond and Mortgage, facilitate the coordination of employee benefits, and provide for equal treatment of all employees, the proper performance of whose duties are of prime concern to State Bond and Mortgage.

Applicants further state that no sales expense will be incurred in the sales of shares for which exemption from the provisions of section 22(d) is sought. There will be no personal contact by sales representatives in connection with such sales, announcement of the availability of the shares will be made through internal house publications, and investments will ordinarily be made through a payroll deduction plan.

Section 6(c) of the Act provides that the Commission, by order upon application, may conditionally or unconditionally, exempt any person or transaction from any provision of the Act or any regulation thereunder, if and to the extent such exemption is necessary or appropriate in the public interest and consistent with the protection of investors and the purposes fairly intended by the policy and provisions of the Act.

Notice is further given that any interested person may, not later than November 19, 1969, submit to the Commission in writing a request for a hearing on the matter accompanied by a statement as to the nature of his interest, the reason for such request and the issues of fact or law proposed to be controverted, or he may request that he be notified if the Commission shall order a hearing thereon. Any such communication should be addressed: Secretary, Securities and Exchange Commission, Washington, D.C. 20549. A copy of such request shall be served personally or by mail (airmail if the person being served is located more than 500 miles from the point of mailing) upon Applicants at the address stated above. Proof of such service (by affidavit or in case of an attorney at law by certificate) shall be filed contemporaneously with the request. At any

time after said date, as provided by Rule 0-5 of the rules and regulations promulgated under the Act, an order disposing of the application herein may be issued by the Commission upon the basis of the information stated in said application, unless an order for hearing upon said application shall be issued upon request or upon the Commission's own motion. Persons who request a hearing or advice as to whether a hearing is ordered will receive notice of further developments in this matter, including the date of the hearing (if ordered) and any postponements thereof.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBOIS,
Secretary.

[F.R. Doc. 69-13276; Filed, Nov. 6, 1969;
8:46 a.m.]

[File No. 7-3269]

ELECTRONIC MEMORIES & MAGNETICS CORP.

Notice of Application for Unlisted Trading Privileges and of Oppor- tunity for Hearing

NOVEMBER 3, 1969.

In the matter of application of the Boston Stock Exchange for unlisted trading privileges in a certain security.

The above named national securities exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(f)(1)(B) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the common stock of the following company, which security is listed and registered on one or more other national securities exchange:

Electronic Memories & Magnetics Corp., File No. 7-3268.

Upon receipt of a request, on or before November 18, 1969, from any interested person, the Commission will determine whether the application shall be set down for hearing. Any such request should state briefly the nature of the interest of the person making the request and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on the said application by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing, this application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBOIS,
Secretary.

[F.R. Doc. 69-13279; Filed, Nov. 6, 1969;
8:46 a.m.]

[File No. 7-3269]

ELECTRONIC MEMORIES & MAGNETICS CORP.

Notice of Application for Unlisted Trading Privileges and of Oppor- tunity for Hearing

NOVEMBER 3, 1969.

In the matter of application of the Boston Stock Exchange for unlisted trading privileges in a certain security.

The above named national securities exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(f)(1)(B) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the preferred stock of the following company, which security is listed and registered on one or more other national securities exchange:

Electronic Memories & Magnetics Corporation, File No. 7-3269, \$1.00 cumulative convertible preferred stock, \$1 par value.

Upon receipt of a request, on or before November 18, 1969, from any interested person, the Commission will determine whether the application shall be set down for hearing. Any such request should state briefly the nature of the interest of the person making the request and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on the said application by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing, this application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBOIS,
Secretary.

[F.R. Doc. 69-13280; Filed, Nov. 6, 1969;
8:47 a.m.]

[File No. 7-3275]

GENERAL PUBLIC UTILITIES CORP. (PENNSYLVANIA)

Notice of Application for Unlisted Trading Privileges and of Oppor- tunity for Hearing

NOVEMBER 3, 1969.

In the matter of application of the Pacific Coast Stock Exchange for unlisted trading privileges in a certain security.

The above named national securities exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(f)(1)(B) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the common stock of the following company, which security is

listed and registered on one or more other national securities exchange:

General Public Utilities Corp. (Pennsylvania), File No. 7-3275.

Upon receipt of a request, on or before November 18, 1969, from any interested person, the Commission will determine whether the application shall be set down for hearing. Any such request should state briefly the nature of the interest of the person making the request and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on the said application by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing, this application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBOIS,
Secretary.

[F.R. Doc. 69-13281; Filed, Nov. 6, 1969;
8:47 a.m.]

[File No. 7-3272]

LEASCO DATA PROCESSING EQUIPMENT CORP.

Notice of Application for Unlisted Trading Privileges and of Oppor- tunity for Hearing

NOVEMBER 3, 1969.

In the matter of application of the Philadelphia - Baltimore - Washington Stock Exchange for unlisted trading privileges in a certain security.

The above named national securities exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(f)(1)(B) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the preferred stock of the following company, which security is listed and registered on one or more other national securities exchange:

Leasco Data Processing Equipment Corp., File No. 7-3272, \$2.20 Series B convertible preferred stock, \$1 par value.

Upon receipt of a request, on or before November 18, 1969, from any interested person, the Commission will determine whether the application shall be set down for hearing. Any such request should state briefly the nature of the interest of the person making the request and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on the said application by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the

date specified. If no one requests a hearing, this application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBois,
Secretary.

[P.R. Doc. 69-13282; Filed, Nov. 6, 1969;
8:47 a.m.]

[File No. 7-3273]

LEASCO DATA PROCESSING EQUIPMENT CORP.

Notice of Application for Unlisted Trading Privileges and of Oppor- tunity for Hearing

NOVEMBER 3, 1969.

In the matter of application of the Philadelphia - Baltimore - Washington - Stock Exchange for unlisted trading privileges in a certain security.

The above named national securities exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(f) (1) (B) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the warrants to purchase common stock of the following company, which security is listed and registered on one or more other national securities exchanges:

Leasco Data Processing Equipment Corp.,
File No. 7-3273, warrants (expiring June 4,
1978).

Upon receipt of a request, on or before November 18, 1969, from any interested person, the Commission will determine whether the application shall be set down for hearing. Any such request should state briefly the nature of the interest of the person making the request and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on the said application by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing, this application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBois,
Secretary.

[P.R. Doc. 69-13283; Filed, Nov. 6, 1969;
8:47 a.m.]

[812-2591]

PROGRESS FUND, INC., AND STATE BOND AND MORTGAGE CO.

Notice of Filing of Application for Order of Exemption

NOVEMBER 3, 1969.

Notice is hereby given that Progress Fund, Inc. ("Progress Fund"), an open-end management investment company organized under the laws of the State of Maryland and registered under the Investment Company Act of 1940 ("Act"), and State Bond and Mortgage Co. ("State Bond and Mortgage"), 28 North Minnesota Street, New Ulm, Minn. 56073 (a registered face-amount certificate company organized under the laws of the State of Minnesota) which acts as principal underwriter for and investment adviser to Progress Fund ("Applicants"), have filed an application pursuant to section 6(c) of the Act, requesting an order of the Commission, exempting from the provisions of section 22(d) of the Act the sale by Applicants and any successor principal underwriter, of redeemable securities of Progress Fund without the usual sales charge to officers, directors, salesmen and bona-fide full-time employees of wholly owned subsidiaries of State Bond and Mortgage who have been such for more than 90 days. All interested persons are referred to the application on file with the Commission for a statement of the representations therein which are summarized below:

Shares of Progress Fund are ordinarily offered to the general public at a public offering price which is the net asset value per share at the time of purchase plus a maximum sales charge of 8 percent of the public offering price, reduced on a declining scale for sales involving larger amounts.

Section 22(d) of the Act provides in substance that no registered investment company shall sell any redeemable security issued by it, and no principal underwriter of such security shall sell any such security except at a current public offering price described in the prospectus.

Progress Fund and State Bond and Mortgage seek the exemption in order to place employees, directors, and officers of wholly owned subsidiaries of State Bond and Mortgage in a position of equality with employees, directors and officers of State Bond and Mortgage. The sales would be made pursuant to a uniform offer described in the prospectus of Progress Fund and would be made only upon the written representation of the purchaser that the purchase is made for investment purposes and that the securities will not be resold except through redemption or repurchase by or on behalf of the issuer.

Applicants represent that the exemption would aid in improving relationships with employees, promote internal har-

mony among the employees of wholly owned subsidiaries of State Bond and Mortgage, facilitate the coordination of employee benefits, and provide for equal treatment of all employees, the proper performance of whose duties are of prime concern to State Bond and Mortgage.

Applicants further state that no sales expense will be incurred in the sales of shares for which exemption from the provisions of section 22(d) is sought. There will be no personal contact by sales representatives in connection with such sales, announcement of the availability of the shares will be made through internal house publications, and investments will ordinarily be made through payroll deduction plan.

Section 6(c) of the Act provides that the Commission, by order upon application, may conditionally or unconditionally, exempt any person, or transaction from any provision of the Act or any regulation thereunder, if and to the extent such exemption is necessary or appropriate in the public interest and consistent with the protection of investors and the purposes fairly intended by the policy and provisions of the Act.

Notice is further given that any interested person may, not later than November 19, 1969, submit to the Commission in writing a request for a hearing on the matter accompanied by a statement as to the nature of his interest, the reason for such request and the issues of fact or law proposed to be controverted, or he may request that he be notified if the Commission shall order a hearing thereon. Any such communication should be addressed: Secretary, Securities and Exchange Commission, Washington, D.C. 20549. A copy of such request shall be served personally or by mail (airmail if the person being served is located more than 500 miles from the point of mailing) upon Applicants at the address stated above. Proof of such service (by affidavit or in case of an attorney at law by certificate) shall be filed contemporaneously with the request. At any time after said date, as provided by Rule 0-5 of the rules and regulations promulgated under the Act, an order disposing of the application herein may be issued by the Commission upon the Commission's own motion. Persons who request a hearing or advice as to whether a hearing is ordered will receive notice of further developments in this matter, including the date of the hearing (if ordered) and any postponements thereof.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBois,
Secretary.

[P.R. Doc. 69-13277; Filed, Nov. 6, 1969;
8:46 a.m.]

[File Nos. 7-3270, 7-3271]

ROHR CORP. AND AMERADA HESS CORP.**Notice of Applications for Unlisted Trading Privileges and of Opportunity for Hearing**

NOVEMBER 3, 1969.

In the matter of applications of the Midwest Stock Exchange for unlisted trading privileges in certain securities.

The above named national securities exchange has filed applications with the Securities and Exchange Commission pursuant to section 12(f)(1)(B) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the common stocks of the following companies, which securities are listed and registered on one or more other national securities exchanges:

Rohr Corp.	File No. 7-3270
Amerada Hess Corp.	7-3271

Upon receipt of a request, on or before November 18, 1969, from any interested person, the Commission will determine whether the application with respect to any of the companies named shall be set down for hearing. Any such requests should state briefly the title of the security in which he is interested, the nature of the interest of the person making the request, and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on any of the said applications by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing with respect to any particular application, such application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

For the Commission (pursuant to delegated authority).

[SEAL]

ORVAL L. DuBOIS,
Secretary.

[P.R. Doc. 69-13284; Filed, Nov. 6, 1969;
8:47 a.m.]

[812-2422]

SECURITY BENEFIT LIFE INSURANCE CO. AND SBL VARIABLE ANNUITY ACCOUNT**Notice of Application To Permit Offer of Exchange and for Exemption**

NOVEMBER 3, 1969.

Notice is hereby given that Security Benefit Life Insurance Co. ("SBL"), a mutual life insurance company organized under the laws of the State of Kansas, and SBL Variable Annuity Account ("VAA"), 700 Harrison Street, Topeka, Kans. 66603, a unit investment trust registered under the Investment Company

Act of 1940 ("Act") (hereinafter called "Applicants"), have filed an application pursuant to sections 6(c) and 11(c) of the Act for an order of the Commission permitting an offer of exchange and exempting Applicants from certain provisions of sections 12(d)(1), 22(d), 26(a)(2), and 27(c)(2) of the Act, as described below. All interested persons are referred to the application on file with the Commission for a statement of the representations therein which are summarized below.

VAA was established by SBL on November 8, 1968, in connection with the proposed sale to individuals and to groups of tax qualified variable annuity contracts ("Contracts") designed to provide retirement annuity benefits.

VAA was established pursuant to the laws of Kansas. Under these laws the income, gains, and losses of VAA may be credited to or charged against the amounts allocated to it in accordance with the Contracts without regard to the other income, gains or losses of SBL, and the assets of VAA are not chargeable with liabilities arising out of any other account or business SBL may conduct.

Net purchase payments under Contracts will be allocated to VAA and invested in shares of either Security Equity Fund, Inc., or Security Investment Fund, Inc. ("Funds"), both of which are open-end, diversified management investment companies registered under the Act. Net purchase payments under Series E Contracts will be invested in Security Equity Fund, Inc., and net purchase payments under Series I Contracts will be invested in Security Investment Fund, Inc.

Applicants propose to offer at retirement to holders of Series E Contracts the right to exchange their Contracts for Series I Contracts and holders of Series I Contracts the right to exchange their Contracts for Series E Contracts at the relative net asset values of the Contracts which are equal to the net asset value of the underlying Fund shares.

Section 11(a) of the Act provides that it shall be unlawful for any registered open-end company or any principal underwriter for such a company to make or cause to be made an offer to the holder of a security of such company or of any other open-end investment company to exchange his security for a security in the same or another such company on any basis other than the relative net asset values of the respective securities to be exchanged, unless the terms of the offer have first been submitted to and approved by the Commission. Section 11(c) provides that, irrespective of the basis of exchange, the provisions of subsection (a) shall be applicable to any type of offer of exchange of the securities of registered unit investment trusts for the securities of any other investment company.

Applicants represent that if an exchange at retirement between Series E Contracts and Series I Contracts or between Series I Contracts and Series E Contracts is permitted, Contract holders will have the opportunity to choose between shares of underlying Funds having different investment objectives, the

objectives of one of which might well be more suitable to a Contract holder's retirement needs than would be the objectives of the other.

Applicants request exemption from the following provisions of the Act to the extent stated below:

Section 12(d)(1), in pertinent part, provides in substance that it shall be unlawful for any registered investment company (VAA) to purchase any security issued by any other investment company (Funds) if such registered investment company will, as a result of that purchase, own more than 3 percent of the outstanding voting stock of the other investment company, unless the registered investment company owns at least 25 percent of the outstanding voting stock of such other investment company. Section 12(d)(1)(B) of the Act provides, in substance, that such restriction is not applicable with respect to securities purchased with the proceeds of payments on periodic payment plan certificates, pursuant to the terms of the trust indenture under which such certificates are issued.

VAA, which does not own at least 25 percent of the outstanding voting stock of either of Funds, may acquire more than 3 percent of the outstanding voting stock of either or both of Funds with the proceeds of payments on periodic payment plan certificates which are not issued pursuant to the terms of a trust indenture. Applicants state that an exemption from section 12(d)(1) is appropriate because the terms of Contracts together with the provisions of the applicable custodian agreement provide substantially the same framework as is normally contained in a corporate trust indenture, and the investment of the proceeds of such payments does not result in the abuses which section 12(d)(1) was designed to prevent.

Section 22(d) provides, in pertinent part, that no registered investment company shall sell any redeemable security issued by it to any person except at a current public offering price described in the prospectus.

Applicants offer a redeemable security in the form of a Pension Trust Variable Annuity Contract which has a sales and administrative deduction of 8.5 percent. Applicants request an exemption to permit the sale of SBL's Group Variable Contract with a 6 percent sales deduction to any employer described in section 403(b) of the Internal Revenue Code of 1954, as amended, if the sale is made pursuant to a uniform offer described in the prospectus and the same offer is also made to all organizations listed in Rule 22d-1(e).

Variable Contracts issued by SBL will not participate in the surplus of SBL. However, whenever expenses relating to Variable Contracts are less than expected or the mortality of the participants is more favorable to SBL than anticipated, the directors of SBL may, at their discretion, increase the number of accumulation units standing to the credit of the owner or the participants' individual accounts or increase the number of annuity units standing to the credit of

participants. Any such adjustment and credit does not lend itself to a determination or specific allocation as between sales expense and administrative and other expense, nor is it possible to determine in advance the amount of such adjustments. Applicants request an exemption from the provisions of section 22(d) to permit such adjustments and credits without any deduction for sales and administrative expenses, since any applicable expenses would already have been made against the payments giving rise to such surplus.

Under the fixed Annuity Contracts issued by SBL, an election may be made to change the allocation from fixed to variable payments at the maturity date. The Applicants state that the sales expense described in the prospectus will already have been paid in connection with the purchase of the fixed annuity and it is not proposed to make any additional sales charge. An exemption is accordingly requested to permit the elimination of any requirement of a sales load with respect to the exercise of an option in a fixed annuity to change the allocation from fixed to variable payments.

The Variable Annuity Contracts permit the beneficiary of an individual who has died prior to the commencement of annuity payments to elect to have the proceeds applied, without reduction for sales and administrative expenses, to an annuity in lieu of a lump sum payment, and for this purpose Applicants request an exemption from section 22(d). Applicants also propose to eliminate the charges for sales and administrative expenses where amounts otherwise payable as a lump sum cash settlement by SBL under a life insurance policy issued by SBL are applied, at the election of the contract holder or the beneficiary, to provide a single payment immediate Variable Annuity Contract. The Applicants state that in all such cases a sales charge will already have been paid with respect to the life insurance policy and assert that the elimination of a second sales charge under such circumstances would appear to involve no unfair discrimination as between contract holders.

Sections 26(a)(2) and 27(c)(2) provide, in pertinent part, that a registered investment company and any depositor or underwriter for such company are prohibited from selling periodic payment plan certificates unless the proceeds are deposited with a qualified bank as trustee or custodian and held under an indenture or agreement containing certain specified provisions. Section 26(a)(2) requires that the trustee or custodian shall have possession of all securities and properties of a unit investment trust and shall segregate and hold the same in trust.

VAA has entered into a Custodian Agreement with First National Bank of Topeka, Kans., covering the assets of VAA. The Custodian Agreement does not technically create a trust with respect to the assets. SBL, under Kansas insurance law, is required to retain the ownership and control of disposition of its property. The Applicants state that although a strict trust is not created with respect to

the assets of the VAA, those assets will be in the possession of the bank as custodian, will be deposited for safekeeping in its vaults and will be physically segregated and held separately from the properties of any other persons; that SBL and the administration of the VAA are subject to the comprehensive regulatory supervision and control of the Commissioner of Insurance for Kansas; and that any basic protective measures contemplated by sections 26(a) and 27(c)(2) are substantially provided by the custodian arrangement and the extensive supervision of the Kansas Commissioner of Insurance. An exemption is requested from the provisions of sections 26(a)(2) and 27(c)(2) so as to make the requirement of a separate trust not applicable to the custodial arrangements of the VAA. The Applicants have consented that the requested exemption may be subject to the conditions (1) that the charges to Variable Annuity Contract owners for administrative services shall not exceed such reasonable amounts as the Commission shall prescribe, jurisdiction being reserved for such purpose; and (2) that the payment of sums and charges out of the assets of the VAA shall not be deemed to be exempted from regulation by the Commission by reason of the requested order: *Provided*, That the Applicants' consent to this condition shall not be deemed to be a concession to the Commission of authority to regulate the payment of sums and charges out of such assets other than the charges for administrative services, and Applicants reserve the right in any proceeding before the Commission or in any suit or action in any court to assert that the Commission has no authority to regulate the payment of such other sums and charges.

Section 6(c) provides that the Commission, by order upon application, may conditionally or unconditionally exempt any person, security, or transaction or any class or classes of persons, securities, or transactions from any provision or provisions of the Act and the rules promulgated thereunder, if and to the extent such exemption is necessary or appropriate in the public interest and consistent with the protection of investors and the purposes fairly intended by the policy and provisions of the Act.

Notice is further given that any interested person may, not later than November 18, 1969, at 5:30 p.m., submit to the Commission in writing a request for a hearing on the matter accompanied by a statement as to the nature of his interest, the reason for such request and the issues, if any, of fact or law proposed to be controverted, or he may request that he be notified if the Commission shall order a hearing thereon. Any such communication should be addressed: Secretary, Securities and Exchange Commission, Washington, D.C. 20549. A copy of such request shall be served personally or by mail (airmail if the person being served is located more than 500 miles from the point of mailing) upon the Applicants at the address stated above. Proof of such service (by affidavit or in

case of an attorney at law by certificate) shall be filed contemporaneously with the request. At any time after said date, as provided by Rule 0-5 of the rules and regulations promulgated under the Act, an order disposing of the application herein may be issued by the Commission upon the basis of the information stated in said application unless an order for hearing upon said application shall be issued upon request or upon the Commission's own motion. Persons who request a hearing, or advise as to whether a hearing is ordered, will receive notice of further developments in this matter, including the date of the hearing (if ordered) and any postponements thereof.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBOIS,
Secretary.

[F.R. Doc. 69-13278; Filed, Nov. 6, 1969;
8:46 a.m.]

[File No. 7-3274]

UNIVERSITY COMPUTING CO.

Notice of Application for Unlisted Trading Privileges and of Opportunity for Hearing

NOVEMBER 3, 1969.

In the matter of application of the Philadelphia-Baltimore-Washington Stock Exchange for unlisted trading privileges in a certain security.

The above-named national securities exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(f)(1)(B) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the common stock of the following company, which security is listed and registered on one or more other national securities exchange:

University Computing Co., File No. 7-3274.

Upon receipt of a request, on or before November 18, 1969, from any interested person, the Commission will determine whether the application shall be set down for hearing. Any such request should state briefly the nature of the interest of the person making the request and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on the said application by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing, this application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

For the Commission (pursuant to delegated authority).

[SEAL] ORVAL L. DuBOIS,
Secretary.

[F.R. Doc. 69-13285; Filed, Nov. 6, 1969;
8:47 a.m.]

DEPARTMENT OF LABOR

Wage and Hour Division

CERTIFICATES AUTHORIZING EMPLOYMENT OF LEARNERS AT SPECIAL MINIMUM WAGES

Notice is hereby given that pursuant to section 14 of the Fair Labor Standards Act of 1938 (52 Stat. 1060, as amended, 29 U.S.C. 201 et seq.) and Administrative Order No. 595 (31 F.R. 12981) the firms listed in this notice have been issued special certificates authorizing the employment of learners at hourly wage rates lower than the minimum wage rates otherwise applicable under section 6 of the act. For each certificate, the effective and expiration dates, number or proportion of learners and the principal product manufactured by the establishment are as indicated. Conditions on occupations, wage rates, and learning periods which are provided in certificates issued under the supplemental industry regulations cited in the captions below are as established in those regulations; such conditions in certificates not issued under the supplemental industry regulations are as listed.

Apparel Industry Learner Regulations (29 CFR 522.1 to 522.9, as amended and 29 CFR 522.20 to 522.25, as amended).

The following normal labor turnover certificates authorize 10 percent of the total number of factory production workers except as otherwise indicated.

Apco Manufacturing Co., Brodhead, Wis.; 10-11-69 to 10-10-70 (infants' and children's knit shirts and pajamas).

Blue Bell, Inc., Arab, Ala.; 10-17-69 to 10-16-70 (men's, boys', ladies' and girls' dungarees).

Blue Bell, Inc., Oneonta, Ala.; 10-17-69 to 10-16-70 (men's and boys' work clothing).

Cluett, Peabody & Co., Inc., Carbon Hill, Ala.; 10-15-69 to 10-14-70 (men's dress shirts).

Ely & Walker of Kennett, Inc., Kennett, Mo.; 10-12-69 to 10-11-70 (men's and boys' dress shirts and swim suits).

Ephrata Apparel Co., Ephrata, Pa.; 10-6-69 to 10-5-70 (children's dresses).

Form-O-Uth Brassiere Co., Inc., Pampa, Tex.; 10-14-69 to 10-13-70 (women's lingerie).

Greensboro Manufacturing Corp., Greensboro, N.C.; 10-19-69 to 10-18-70 (women's and children's nightwear).

Hagale Garment Manufacturing Co., Reeds Spring, Mo.; 10-10-69 to 10-9-70 (men's pants).

Irene Sportswear Co., Inc., Plant No. 2, Dalton, Pa.; 10-10-69 to 10-9-70; 10 learners (women's blouses and dresses).

Joyner Fields, Inc., Sherman, Miss.; 10-15-69 to 10-14-70 (men's shirts).

Kellwood Co., Alamo, Tenn.; 10-9-69 to 10-8-70 (women's foundation garments).

Kenrose Manufacturing Co., Inc., Roanoke, Va.; 10-19-69 to 10-18-70 (women's dresses).
Lexington Sportswear Co., Lexington, S.C.; 10-17-69 to 10-16-70 (men's and boys' outerwear jackets).

Logan Manufacturing Co., Russellville, Ky.; 10-2-69 to 10-1-70 (men's work pants).

Mitchell Manufacturing Inc., Corinth, Miss.; 10-20-69 to 10-19-70 (men's sport shirts).

Murcel Manufacturing Corp., Glennville, Ga.; 10-12-69 to 10-11-70 (nurses' and maids' uniforms).

Newport News Children's Dress Co., Newport News, Va.; 10-20-69 to 10-19-70 (children's and girls' dresses and playsuits).

Oshkosh B'Gosh, Inc., Celina, Tenn.; 10-8-69 to 10-7-70 (men's pants and shirts).

Pella Manufacturing Corp., Pella, Iowa; 10-14-69 to 10-13-70; 10 learners (men's work clothing).

Rappahannock Sportswear Co., Inc., Fredericksburg, Va.; 10-9-69 to 10-8-70 (men's pants).

Red Hill Apparel Co., Red Hill, Pa.; 10-6-69 to 10-5-70 (children's dresses).

J. H. Rutter Rex Manufacturing Co., Inc., New Orleans, La.; 10-11-69 to 10-10-70 (men's and boys' work pants and shirts).

Henry I. Siegel Co., Inc., South Fulton, Tenn.; 10-14-69 to 10-13-70 (men's and boys' pants).

Southern Garment Co., Robbins, N.C.; 10-12-69 to 10-11-70; 10 learners (women's dresses).

Southland Manufacturing Co., Inc., Wilmington, N.C.; 10-14-69 to 10-13-70 (men's and boys' shirts).

Sulcraft Manufacturing Co., Inc., Dushore, Pa.; 10-4-69 to 10-3-70 (boys' pajamas).

Tioga Sportswear, Fall River, Mass.; 10-4-69 to 10-3-70 (men's and boys' sport jackets).

Tom & Huck Togs, Inc., Amory, Miss.; 10-15-69 to 10-14-70 (men's, boys' and ladies' slacks and walking shorts).

Tracy City Manufacturing Co., Tracy City, Tenn.; 10-17-69 to 10-16-70 (men's and boys' sport shirts).

The Van Heusen Co., Clayton, Ala.; 10-4-69 to 10-3-70 (men's shirts).

The Van Heusen Co., Geneva, Ala.; 10-4-69 to 10-3-70 (men's shirts).

The Van Heusen Co., Hartford, Ala.; 10-4-69 to 10-3-70 (men's shirts).

The Van Heusen Co., Ozark, Ala.; 10-4-69 to 10-3-70 (pajamas).

J. M. Wood Manufacturing Co., Inc., Dublin, Tex.; 10-5-69 to 10-4-70 (men's work pants).

The following plant expansion certificates were issued authorizing the number of learners indicated.

B. & D. Manufacturing Co., Inc., Sanford, Fla.; 10-13-69 to 4-12-70; 10 learners (men's sport shirts).

Don Juan Manufacturing Corp., Hertford, N.C.; 10-20-69 to 4-19-70; 40 learners (men's and boys' shirts).

Kellwood Co., Coffeeville, Miss.; 10-3-69 to 4-2-70; 40 learners (boys' pants).

So-Neet, Inc., Somerset, Pa.; 10-15-69 to 4-14-70; 10 learners (girl's coats).

Glove Industry Learner Regulations (29 CFR 522.1 to 522.9, as amended and 29 CFR 522.60 to 522.65, as amended).

The Glove Corp., Heber Springs, Ark.; 10-8-69 to 10-7-70; 10 learners for normal labor turnover purposes (combination leather and cotton work gloves).

The Glove Corp., Heber Springs, Ark.; 10-18-69 to 4-17-70; 20 learners for plant expansion purposes (combination leather and cotton work gloves).

Monte Glove Co., Inc., Maben, Miss.; 10-20-69 to 10-19-70; 10 learners for normal labor turnover purposes (work gloves).

Hosiery Industry Learner Regulations (29 CFR 522.1 to 522.9, as amended and 29 CFR 522.40 to 522.43, as amended).

Amos Hosiery Mills, Inc., High Point, N.C.; 10-12-69 to 10-11-70; 5 percent of the total number of factory production workers for normal labor turnover purposes (seamless hosiery).

The following learner certificates were issued in Puerto Rico to the companies hereinafter named. The effective and ex-

piration dates, learner rates, occupations, learning periods and the number of learners authorized to be employed, are indicated.

Bayuk Caribe, Inc., Ciales, P.R.; 9-3-69 to 9-2-70; 10 learners for normal labor turnover purposes in the occupations of cigar making and packing, each for a learning period of 320 hours at the rates of \$1.26 an hour for the first 160 hours and \$1.36 an hour for the remaining 160 hours (cigars).

Ciales Manufacturing Corp., Ciales, P.R.; 8-27-69 to 8-26-70; 13 learners for normal labor turnover purposes in the occupation of sewing machine operating, for a learning period of 320 hours at the rate of \$1.23 an hour (women's underwear).

Consolidated Caguan Corp., Caguas, P.R.; 9-8-69 to 9-7-70; 22 learners for normal labor turnover purposes in the occupations of cigar making and packing, each for a learning period of 320 hours at the rates of \$1.26 an hour for the first 160 hours and \$1.36 an hour for the remaining 160 hours (cigars).

Consolidated Cigar Corp., Caguas, P.R.; 9-8-69 to 9-7-70; 68 learners for normal labor turnover purposes in the occupations of cigar making and packing, each for a learning period of 320 hours at the rates of \$1.26 an hour for the first 160 hours and \$1.36 an hour for the remaining 160 hours (cigars).

Corozal Knitting Mills, Inc., Corozal, P.R.; 9-3-69 to 9-2-70; 10 learners for normal labor turnover purposes in the occupations of finger knitting and finger closing, each for a learning period of 320 hours at the rate of \$1.30 an hour (knitted gloves and mittens).

Puerto Rico Knitting Mills, Inc., Corozal, P.R.; 9-3-69 to 9-2-70; 10 learners for normal labor turnover purposes in the occupation of machine stitching, for a learning period of 320 hours at the rate of \$1.30 an hour (sewing leather palms on knitted gloves).

Each learner certificate has been issued upon the representations of the employer which, among other things, were that employment of learners at special minimum rates is necessary in order to prevent curtailment of opportunities for employment, and that experienced workers for the learner occupations are not available. Any person aggrieved by the issuance of any of these certificates may seek a review or reconsideration thereof within 15 days after publication of this notice in the FEDERAL REGISTER pursuant to the provisions of 29 CFR 522.9. The certificates may be annulled or withdrawn, as indicated therein, in the manner provided in 29 CFR Part 528.

Signed at Washington, D.C., this 31st day of October 1969.

ROBERT G. GRONEWALD,
Authorized Representative
of the Administrator.

[P.R. Doc. 69-13272; Filed, Nov. 6, 1969;
8:46 a.m.]

INTERSTATE COMMERCE
COMMISSION
FOURTH SECTION APPLICATION FOR
RELIEF

NOVEMBER 4, 1969.

Protests to the granting of an application must be prepared in accordance

with Rule 1100.40 of the general rules of practice (49 CFR 1100.40) and filed within 15 days from the date of publication of this notice in the FEDERAL REGISTER.

LONG-AND-SHORT HAUL

FSA No. 41795—*Class and commodity rates from and to Robertson, Ala.* Filed by O. W. South, Jr., agent (No. A6139), for interested rail carriers. Rates on property moving on class and commodity rates, between Robertson, Ala. (when in connection with Arrow Transportation Co.), on the one hand, and points in the United States and Canada, on the other.

Grounds for relief—New station and grouping.

By the Commission.

[SEAL] H. NEIL GARSON,
Secretary.

[F.R. Doc. 69-13296; Filed, Nov. 6, 1969;
8:48 a.m.]

[Notice 936]

MOTOR CARRIER TEMPORARY AUTHORITY APPLICATIONS

NOVEMBER 4, 1969.

The following are notices of filing of applications for temporary authority under section 210a(a) of the Interstate Commerce Act provided for under the new rules of Ex Parte No. MC-67 (49 CFR, Part 1131), published in the FEDERAL REGISTER, issue of April 27, 1965, effective July 1, 1965. These rules provide that protests to the granting of an application must be filed with the field official named in the FEDERAL REGISTER publication, within 15 calendar days after the date of notice of the filing of the application is published in the FEDERAL REGISTER. One copy of such protests must be served on the applicant, or its authorized representative, if any, and the protests must certify that such service has been made. The protests must be specific as to the service which such protestant can and will offer, and must consist of a signed original and six copies.

A copy of the application is on file, and can be examined at the Office of the Secretary, Interstate Commerce Commission, Washington, D.C., and also in field office to which protests are to be transmitted.

MOTOR CARRIERS OF PROPERTY

No. MC 3094 (Sub-No. 16 TA), filed October 31, 1969. Applicant: SERVICE MOTOR FREIGHT, INC., Post Office Box 36, Barrington, N.J. 08007. Authority sought to operate as a *contract carrier*, by motor vehicle, over irregular routes, transporting: *Paper products*, from Tallman, N.Y., to points in New Jersey, for 180 days. Supporting shipper: International Paper Co., 220 East 42d Street, New York, N.Y. 10017. Send protests to: Raymond T. Jones, District Supervisor, Interstate Commerce Commission, Bureau of Operations, 410 Post Office Building, Trenton, N.J. 08608.

No. MC 8973 (Sub-No. 17 TA), filed October 27, 1969. Applicant: METROPOLITAN TRUCKING, INC., 2424 95th Street, North Bergen, N.J. 07047. Applicant's representative: George A. Olsen, 69 Tonnele Avenue, Jersey City, N.J. 07306. Authority sought to operate as a *common carrier*, by motor vehicle, over irregular routes, transporting: *Plastic articles, hardware, building materials, equipment, and supplies* (except in bulk), from the warehouse and plant facilities of Alcan Aluminum Corp., located at Woodbridge, N.J., on the one hand, and, on the other, points in New Jersey, New York, Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, Pennsylvania, Ohio, Delaware, Maryland, Virginia, and the District of Columbia, restricted against shipments when originating at Woodbridge, N.J., and destined to points in New York, New Jersey, and Connecticut within 150 miles of Columbus Circle, New York, N.Y., for 150 days. Supporting shipper: Alcan Aluminum Corp., 100 Erieview Plaza, Cleveland, Ohio 44101. Send protests to: District Supervisor Walter J. Grossmann, Bureau of Operations, Interstate Commerce Commission, 970 Broad Street, Newark, N.J. 07102.

No. MC 29886 (Sub-No. 252 TA), filed October 20, 1969. Applicant: DALLAS & MAVIS FORWARDING CO., INC., 4000 West Sample Street, South Bend, Ind. 46621. Applicant's representative: Paul E. LaRose (same address as above). Authority sought to operate as a *common carrier*, by motor vehicle, over irregular routes, transporting: *Motor vehicles*, from South Bend, Ind., to points in Alabama, Arkansas, Georgia, Florida, Louisiana, Mississippi, New Mexico, North Carolina, South Carolina, Tennessee, and Texas, for 180 days. Supporting shipper: William A. Roe, Traffic Manager, Procurement Division, Post Office Department, Bureau of Facilities, Washington, D.C. 20260. Send protests to: District Supervisor J. H. Gray, Bureau of Operations, Interstate Commerce Commission, 345 West Wayne Street, Room 204, Fort Wayne, Ind. 46802.

No. MC 61417 (Sub-No. 1 TA), filed October 27, 1969. Applicant: FIREPROOF STORAGE COMPANY, 728 East Shiawassee Street, Lansing, Mich. 48902. Applicant's representatives: Alan F. Wohlstetter and Joseph F. Mullins, Jr., 1 Farragut Square South, Washington, D.C. 20006. Authority sought to operate as a *common carrier*, by motor vehicle, over irregular routes, transporting: *Used household goods*, between points in Ingham, Livingston, Eaton, Barry, Shiawassee, Clinton, Ionia, Kent, Montcalm, Gratiot, Midland, Kalamazoo, Calhoun, Jackson, Washtenaw, Oakland, and Macomb Counties, Mich., restricted to the transportation of traffic having a prior or subsequent movement in containers, and further restricted to the performance of pickup and delivery service in connection with packing, crating, and containerization, or unpacking, uncrating, and de-containerization of such traffic, for 180 days. Supporting shippers: DeWitt Freight Forwarding, 6060 North Figueroa

Street, Los Angeles, Calif. 90042; Jet Forwarding, Inc., 2945 Columbia Street, Torrance, Calif.; Mollerup Freight Forwarding Co., 2900 South Main Street, Salt Lake City, Utah 84115. Send protests to: C. R. Flemming, District Supervisor, Interstate Commerce Commission, Bureau of Operations, 225 Federal Building, Lansing, Mich. 48933.

No. MC 94350 (Sub-No. 247 TA), filed October 28, 1969. Applicant: TRANSIT HOMES, INC., Post Office Box 1628, Greenville, S.C. 29602. Applicant's representative: G. P. Apperson, Jr. (same address as above). Authority sought to operate as a *common carrier*, by motor vehicle, over irregular routes, transporting: *Trailers* designed to be drawn by passenger automobiles in initial movements, from points in Williams County, Ohio, to points in Youngstown, Portsmouth, Cincinnati, Dayton, Columbus, Cleveland, and Toledo, Ohio; Mayfield, Bowling Green, Lexington, Louisville, and Nashville, Ky.; Evansville, Terre Haute, South Bend, Indianapolis, Gary, and Fort Wayne, Ind.; Detroit, Lansing, Grand Rapids, Ishpeming, and Flint, Mich.; Rockford, Chicago, Peoria, St. Louis, and Springfield, Ill.; and Superior, Eau Claire, Green Bay, Madison, and Milwaukee, Wis., for 180 days. Supporting shipper: Fleetwood Enterprises, Inc., Post Office Box 7638, Riverside, Calif. 92503. Send protests to: Arthur B. Abercrombie, District Supervisor, Interstate Commerce Commission, Bureau of Operations, 601A Federal Building, 901 Sumter Street, Columbia, S.C. 29201.

No. MC 106398 (Sub-No. 430 TA), filed October 30, 1969. Applicant: NATIONAL TRAILER CONVOY, INC., 1925 National Plaza, Tulsa, Okla. 74151. Applicant's representative: Irvin Tull (same address as above). Authority sought to operate as a *common carrier*, by motor vehicle, over irregular routes, transporting: *Buildings, buildings in sections, building panels, building parts, and accessories*, from plantsite of Crown, Inc., Bristol, Conn., to points in Pennsylvania, Kentucky, North Carolina, South Carolina, West Virginia, Ohio, Michigan, and Indiana, for 180 days. Supporting shipper: Karl Schwartz, Crown, Inc., Post Office Box 98, Cross Street, Bristol, Conn. 06010. Send protests to: C. L. Phillips, District Supervisor, Interstate Commerce Commission, Bureau of Operations, 240 Old Post Office Building, 215 Northwest Third, Oklahoma City, Okla. 73102.

No. MC 107295 (Sub-No. 234 TA), filed October 30, 1969. Applicant: PRE-FAB TRANSIT CO., 100 South Main Street, Farmer City, Ill. 61842. Authority sought to operate as a *common carrier*, by motor vehicle, over irregular routes, transporting: *Paint and varnish* (except in bulk), from Paterson, N.J., to points in Ohio, Kentucky, Tennessee, Indiana, Michigan, Wisconsin, Illinois, Minnesota, Iowa, Missouri, and Arkansas, for 180 days. Supporting shipper: Frisch & Co., Inc., 88 East 11th Street, Paterson, N.J. 07524. Send protests to: Harold C. Jolliff, District Supervisor, Interstate Commerce Commission, Bureau of Operations,

Room 476, 325 West Adams Street, Springfield, Ill. 62704.

No. MC 113908 (Sub-No. 202 TA), filed October 30, 1969. Applicant: ERICKSON TRANSPORT CORPORATION, 2105 East Dale Street, Box 3180, Springfield, Mo. 65804. Authority sought to operate as a *common carrier*, by motor vehicle, over irregular routes, transporting: *Concrete admixtures*, in bulk, in tank vehicles, from Springfield, Mo., to Dallas, Tex., for 180 days. Supporting shipper: Master Builders Division, Martin Marietta Corp., 2490 Lee Boulevard, Cleveland, Ohio 44118. Send protests to: John V. Barry, District Supervisor, Interstate Commerce Commission, Bureau of Operations, 1100 Federal Office Building, 911 Walnut Street, Kansas City, Mo. 64106.

No. MC 118127 (Sub-No. 13 TA), filed October 30, 1969. Applicant: HALE DISTRIBUTING COMPANY, INC., 914 South Vail Avenue, Montebello, Calif. 90640. Authority sought to operate as a *common carrier*, by motor vehicle, over irregular routes, transporting: *Frozen prepared foods*, from Southboro, Mass., to points in Los Angeles County, Calif., for 150 days. Supporting shipper: Ever-Freeze Food Distributors, Inc., 904 West Whittier Boulevard, Montebello, Calif. Send protests to: John E. Nance, District Supervisor, Interstate Commerce Commission, Bureau of Operations, Room 7708, Federal Building, 300 North Los Angeles Street, Los Angeles, Calif. 90012.

No. MC 128648 (Sub-No. 4 TA), filed October 28, 1969. Applicant: TRANS UNITED, INC., Post Office Box 215, South Gate, Calif. 90280. Applicant's representatives: Wm. J. Lippman and Arthur Bernstein, 1824 R Street NW, Washington, D.C. 20009. Authority sought to operate as a *contract carrier*,

by motor vehicle, over irregular routes, transporting: *Tractor parts, loader parts, tractor attachments, and loader attachments, and equipment materials and supplies* used in the manufacture of the above-named commodities, (1) between Saginaw, Tex., and points within 4 miles thereof, and Chicago, Ill., and points within 25 miles thereof, and the storage and distribution facilities of the Pettibone Mulliken Corp. at East Rutherford, N.J., and (2) between the points described in (1) above, on the one hand, and on the other, points in the United States, except Alaska and Hawaii. Restriction: the operations authorized herein are limited to a transportation service to be performed under a continuing contract, or contracts, with Pettibone Mulliken Corp. of Torrance, Calif., for 180 days. NOTE: Applicant intends to tack with MC 128648 Sub 1. Supporting shipper: Pettibone Westrac, a division of Pettibone Mulliken Corp., Post Office Box 4389, Fort Worth, Tex. 76107. Send protests to: Robert G. Harrison, District Supervisor, Interstate Commerce Commission, Bureau of Operations, Room 7708 Federal Building, 300 North Los Angeles Street, Los Angeles, Calif. 90012.

No. MC 133154 (Sub-No. 3 TA), filed October 30, 1969. Applicant: DICK BELL TRUCKING, INC., 16036 Valley Boulevard, Fontana, Calif. 92335. Applicant's representative: Ernest D. Salm, 3846 Evans Street, Los Angeles, Calif. 90027. Authority sought to operate as a *contract carrier*, by motor vehicle, over irregular routes, transporting: *Mattresses and box springs*, in packages, from Los Angeles, Calif., to Phoenix and Tempe, Ariz., for 180 days. Supporting shipper: Ortho Mattress, 5431 West 104th Street, Los Angeles, Calif. 90045. Send protests to: John E. Nance, District Su-

pervisor, Interstate Commerce Commission, Bureau of Operations, Room 7708, Federal Building, 300 North Los Angeles Street, Los Angeles, Calif. 90012.

No. MC 134114 TA (Amendment), filed October 20, 1969, published in the FEDERAL REGISTER, issue of October 28, 1969, and republished, this issue. Applicant: ELMER WILSON, doing business as NEBRASKA BEEF EXPRESS, 8024 State Street, Ralston, Nebr. 68051. Applicant's representative: Kenneth P. Weiner, 630 City National Bank Building, Omaha, Nebr. 68102. Authority sought to operate as a *contract carrier*, by motor vehicle, over irregular routes, transporting: *Meat, meat products, and meat byproducts, and articles distributed by meat packinghouses*, as described in sections A and C of appendix I to the report in *Descriptions in Motor Carrier Certificates*, 61 M.C.C. 209 and 766, from Omaha, Nebr., to points in Will, Cook, Du Page, and Kane Counties, Ill., Cedar Rapids, Iowa, and Milwaukee, Kenosha, Madison, and Green Bay, Wis., for 180 days. Supporting shipper: J. F. O'Neill Packing Co., 3120 L Street, Omaha, Nebr.; Geo. F. Kleine, Office Manager. Send protests to: Keith P. Kohrs, District Supervisor, Interstate Commerce Commission, Bureau of Operations, 705 Federal Office Building, Omaha, Nebr. 68102. NOTE: The purpose of this republication is to redescribe the territorial description involved and to reflect a change in the time duration to 180 days in lieu of 150 days as previously published.

By the Commission.

[SEAL]

H. NEIL GARSON,
Secretary.

[P.R. Doc. 69-13297; Filed, Nov. 6, 1969; 8:45 a.m.]

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