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January 31, 2002

Mr. Vincent DeVroey
Manager, Operations and ATM
Association of European Airlines (AEA)
Avenue Louise 350/4
B-1050 Brussel
FAX 32/2/639.89.99

Dear Vincent:

Attached to this FAX are the Land and Hold Short Operations (LAHSO) runway configurations for numerous city/airports in the United States that you had requested. This information may be found in the U.S. Department of Transportation (DOT), Federal Aviation Administration (FAA) Airport/Facility Directory (AFD) [Green cover books] and published by the National Aeronautical Charting Office. You may visit them on the Internet at www.naco.faa.gov

While some of the City/Airports are not suitable for your membership, I have included them so that you can see all of the approved LAHSO runway configurations. I will be sending you this and other information that you had requested in a "hard copy" to follow shortly.

Sincerely,

Robert J. Zoldos
Air Transport Association of America (ATA)
Director, ATC

Note: 11 pages including cover page

LAND AND HOLD SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

The hold-short point, marked by an asterisk (*), represents the predetermined points on the runway other than a runway or taxiway.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
IDAHO			
TWIN FALLS/TWF	07	12/30	4,500 feet
	25	12/30	3,600 feet
OREGON			
PORTLAND-HILLSBORO/HIO	12	02/20	4,850 feet
PORTLAND/PDX	03	10R/28L	3,339 feet
	10R	03/21	4,041 feet
	28L	03/21	6,459 feet
SALEM/SLE	31	16/34	3,150 feet
	34	13/31	3,050 feet
WASHINGTON			
EVERETT/PAE	16R	11/29	4,353 feet
	29	16R/34L	3,598 feet
	34L	11/29	3,697 feet
MOSES LAKE/MWH	04	14L/32R	4,700 feet
	14L	04/22	7,550 feet
	22	14L/32R	4,650 feet
	32R	04/22	5,050 feet
SPOKANE/GEG	07	03/21	2800 feet
	21	07/25	7,000 feet
	25	03/21	4,350 feet

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CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
ARIZONA			
PRESCOTT/PRC	21L	12/30	5,150 feet
YUMA/YUM	08	03R/21L	3,800 feet
	26	03R/21L	2,000 feet
	26	17/35	5,500 feet
	17	03L/21R	3,000 feet
	17	03R/21L	4,000 feet
	35	03R/21L	1,650 feet
	35	03L/21R	2,400 feet
	35	08/26	5,000 feet
	03R	17/35	3,600 feet
	03R	08/26	8,700 feet
	21L	17/35	5,200 feet
	03L	17/35	11,400 feet
	21R	17/35	1,900 feet
CALIFORNIA			
BURBANK/BUR	08	15/33	3,550 feet
	15	08/26	4,250 feet
LONG BEACH/LGB	12	16L/34R	4,100 feet
	25R	12/30	3,400 feet
	30	25R/07L	5,850 feet
NAPA/APC	18R	06/24	5,450 feet
	24	18R/36L	3,700 feet
REDDING/RDD	34	12/30	3,000 feet
	16	12/30	3,600 feet
	30	16/34	3,900 feet
SAN DIEGO/SEE	09L	17/35	2,650 feet
	35	09R/27L	2,400 feet
	35	09L/27R	2,800 feet
COLORADO			
COLORADO SPRINGS/COS	30	17R/35L	7,450 feet
	35L	12/30	10,250 feet
GRAND JUNCTION/GJT	04	11/29	5,100 feet
	11	04/22	9,800 feet
PUEBLO/PUB	17	08L/26R	5,850 feet
	26R	17/35	8,300 feet
NEVADA			
LAS VEGAS/LAS	19L	25R/07L	7,700 feet
	19R	25R/07L	8,200 feet
	25R	19L/01R	11,600 feet
	25R	19R/01L	12,650 feet
LAS VEGAS/VGT	25	12/30	3,800 feet
	30	07/25	4,000 feet
UTAH			
OGDEN/OGD	03	07/25	4,700 feet
	07	03/21	3,300 feet
	16	03/21	2,750 feet
	34	07/25	3,500 feet

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CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
ILLINOIS			
ALTON-ST LOUIS/ALN	29	17/35*	6,850 feet
	35	11/29*	4,800 feet
IOWA			
CEDAR RAPIDS/CID	09	13/31	5,800 feet
DUBUQUE/DBQ	31	18/36	4,800 feet
	36	13/31	4,900 feet
SIOUX CITY/SUX	13	17/35*	5,400 feet
	17	13/31*	5,650 feet
WATERLOO/ALO	06	12/30*	3,900 feet
	12	06/24*	6,100 feet
	18	06/24*	4,850 feet
	24	18/36*	3,950 feet
	30	18/36*	4,800 feet
	36	12/30*	3,650 feet
KANSAS			
HUTCHINSON/HUT	13	04/22	5,250 feet
	17	04/22	3,200 feet
	22	13/31	3,400 feet
	31	17/35	2,800 feet
NEW CENTURY/IXD	17	04/22*	2,700 feet
	35	04/22*	3,650 feet
	22	17/35*	3,300 feet
TOPEKA/FOE	03	13/31*	5,950 feet
	13	03/21*	6,700 feet
	31	03/21*	5,500 feet
WICHITA/ICT	01L	14/32*	6,950 feet
	32	01L/19R*	4,350 feet
MINNESOTA			
DULUTH/DLH	09	03/21*	8,950 feet
MINNEAPOLIS-ST. PAUL/MSP	04	12R/30L*	3,700 feet
	04	12L/30R*	7,150 feet
	12R	04/22*	3,000 feet
	12L	04/22*	1,900 feet
	22	12R/30L*	4,150 feet
	30R	04/22*	5,650 feet
	30L	04/22*	6,350 feet

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
ROCHESTER/RST	02	13/31*	5,850 feet
	13	02/20*	3,750 feet
	31	02/20*	3,200 feet
ST PAUL/STP	13	09/27	2,150 feet
	14	09/27	1,800 feet
	27	14/32	1,800 feet
	31	09/27	1,050 feet
	32	09/27	2,800 feet
MISSOURI			
COLUMBIA/COU	02	13/31*	6,050 feet
	13	02/20*	3,500 feet
JOPLIN/JLN	13	18/36*	3,650 feet
	18	13/31*	4,900 feet
KANSAS CITY/MCI	09	01R/19L	5,350 feet
	19L	09/27	6,250 feet
	27	01R/19L	3,500 feet
KANSAS CITY/MKC ST. LOUIS/STL	19	03/21	4,200 feet
	12R	Twy R	8,950 feet
	24	12R/30L*	4,250 feet
	30L	06/24*	8,100 feet
SPRINGFIELD/SGF	14	02/20*	3,800 feet
	20	14/32*	4,550 feet
NEBRASKA			
LINCOLN/LNK	14	17R/35L	3,150 feet
	32	17R/35L*	3,600 feet
	35L	14/32*	10,950 feet
OMAHA/OMA	18	14R/32L	3,500 feet
	32L	18/36	3,500 feet
NORTH DAKOTA			
BISMARCK/BIS	13	03/21	7,300 feet
	03	13/31	2,550 feet
	21	13/31	3,500 feet
FARGO/FAR	17	13/31*	7,500 feet
	17	08/26*	1,850 feet
	26	17/35*	3,250 feet
	35	08/26*	6,800 feet
	26	17R/35L	3,000 feet
GRAND FORKS/GFK	35L	08/26	4,600 feet
MINOT/MOT	13	08/26*	4,000 feet
SOUTH DAKOTA			
RAPID CITY/RAP	32	05/23	6,550 feet
SIOUX FALLS/FSD	03	15/33	5,200 feet
	09	15/33	3,100 feet
	15	09/27	5,300 feet
	21	09/27	6,350 feet
	21	15/33	2,950 feet
	27	03/21	3,050 feet
	33	03/21	4,600 feet

DFW INTERNATIONAL AIRPORT LAND AND HOLD SHORT OPERATIONS

DFW is authorized to instruct aircraft to land on a runway and hold short of an intersecting taxiway while aircraft/vehicles simultaneously taxi across the runway at beyond the hold-short point for the following runway/taxiway combinations.

18R	AND	TAXIWAY B	8,100 FEET
17C	AND	TAXIWAY B	8,450 feet
35C	AND	TAXIWAY EJ	9,050 feet
36L	AND	TAXIWAY Z	10,650 feet

These procedures are governed by the following conditions and limitations:

- a. The tailwind on the hold short runway shall be calm (less than 3 knots).
- b. A statement that simultaneous landings and runway crossings are being conducted shall be included on the ATIS.
- c. LAHSO wet runway operations are authorized provided pilot reported braking action is not less than good, the runway is not classified as contaminated by the airport operator, and the hold short position lights are operational and "on".
- d. The weather conditions must be at or greater than ceiling 1,000 feet, and visibility 3 miles.
- e. Traffic information shall be exchanged and a readback shall be obtained from the landing aircraft with a LAHSO clearance. An acknowledgment shall be received from the crossing aircraft/vehicle.
- f. Operations beyond the hold short point except for runway crossings are not authorized during LAHSO.
- g. Hold short markings, taxiway identification signs, and in-pavement lights will be used to identify the hold-short points. The lighting system consists of five in-pavement white lights, flashing/pulsing simultaneously, arranged in a line across the landing runway perpendicular to the runway centerline.

The safety and operation of an aircraft remain the responsibility of the pilot. A pilot must inform air traffic control if the full length of the runway or another runway is desired. The runway distance from the landing threshold to the hold short point will be provided to the pilot upon request.

- h. Vertical guidance required for LAHSO (Glideslope, VASI, PAPI).

INTERSECTION DEPARTURES DURING PERIODS OF DARKNESS DALLAS-FORT WORTH INTERNATIONAL AIRPORT (DFW), TEXAS

Dallas-Fort Worth Airport Traffic Control Tower has been granted a waiver to guidelines that prohibits the control tower from placing an aircraft into "position and hold" at an intersection, between sunset and sunrise.

This waiver will allow the tower to taxi an aircraft into "position and hold" during periods of darkness, at the intersections listed below:

Runway 18L at Taxiway WH
 Runway 17R at Taxiways EG, EH, and Y
 Runway 17R/C and 18R/L at Taxiway Z
 Runway 35L/C and 36R/L at Taxiway A
 Runway 35L/C and 36R/L at Taxiway B
 Runway 35L at Taxiway EP and EQ
 Runway 36R at Taxiway WP and WQ
 Runway 13L at Taxiway P
 Runway 31L at Taxiway A5

When the provisions of this waiver are exercised, the affected runways will not be used for arrival aircraft. Intersection departures will continue to be utilized at other locations between sunset and sunrise. However, aircraft cannot be put into "position and hold" prior to takeoff clearance.

SPECIAL NORTH ATLANTIC, CARIBBEAN AND PACIFIC AREA COMMUNICATIONS

VHF air-to-air frequencies enable aircraft engaged in flights over remote and oceanic areas out of range of VHF ground stations to exchange necessary operational information and to facilitate the resolution of operational problems.

Frequencies have been designated as follows:

North Atlantic area:	123.45 MHz
Caribbean area:	123.45 MHz
Pacific area:	123.45 MHz

ALBUQUERQUE ARTCC VFR Services South of El Paso, Texas

VFR radar advisory service and merging target service available to transponder equipped aircraft above 10,000 feet MSL from a point 75 miles south of El Paso, Texas, to the U.S./Mexican border.

ALBUQUERQUE INTL SUNPORT (ABQ) NEW MEXICO

ABQ Air Traffic Control Tower ASR-9 Weather System Radar operational demonstration in progress. In operation continuously. For further information contact ABQ ATCT on (505) 856-4900.

CAUTION—HIGH DENSITY STUDENT FLYING
Little Rock AFB, AR

High density student flying training in the vicinity of Little Rock AFB and on low level Slow Routes (SR) within Arkansas: 0600-0200 Mon-Fri, occasional weekend. Extensive use of All American Drop Zone, Little Rock VORTAC 332° radial 15.0 NM, and Blackjack Drop Zone, Little Rock VORTAC 009° radial 33.0 NM; 0600-0200, Mon-Fri, occasional weekend. Drop Zones are used for personnel and cargo, including IMC (AWDS) drops. For further information, contact Little Rock AFB, Base Operations, on 1-501-988-6125.

CAUTION—VERTICAL LIGHTS ON BUILDING
Downtown Tulsa, Oklahoma

Approximately ten miles southwest of Tulsa International Airport in the area of downtown Tulsa, four 4,000-watt xenon lights are mounted on each corner of the roof of a 40-story building. Illumination is vertical and hours of use are daily, dusk to midnight.

BAYOU SAUVAGE NATIONAL WILDLIFE REFUGE, LA

Request aircraft remain at or above 2,000 ft in the vicinity of Bayou Sauvage National Wildlife Refuge bounded by Lake Pontchartrain to the Northwest and Northeast, Lake Borgue to the Southeast and New Orleans to the Southwest.

CAUTION—LARGE CONCENTRATION OF BATS
San Antonio, Texas, Vicinity

From April to October large concentration of bats are observed in the vicinity of Braken Cave located 5.5 miles east of SAT VORTAC. Most activity is observed around sunset and sunrise at altitudes up to 10,000 feet.

U.S. SPECIAL CUSTOMS REQUIREMENT

Air Commerce Regulations of the Treasury Department's Customs Service require all private aircraft arriving in the U.S. from a foreign place in the Western Hemisphere, (a) south of 33 degrees north latitude which cross into the U.S. over a point on the U.S./Mexican border between 97 and 120 degrees west longitude, or (b) south of 31 degrees north latitude which enter the U.S. via the Gulf of Mexico and Atlantic Coasts, to provide notice of intended arrival to the Customs Service at least one hour prior to crossing the U.S./Mexican border or the U.S. coastline. This notice may be provided by: (1) radio through an appropriate FAA Flight Service Station, (2) normal FAA flight plan notification procedures (a flight plan filed in Mexico does not meet this requirement due to unreliable relay of data), or (3) directly to the District Director of Customs or other Customs officer at place of first intended landing. Unless an exemption has been granted by Customs, private aircraft are required to make first landing in the U.S. at one of the following designated airports nearest to the point of border or coastline crossing:

Brownsville International, Corpus Christi International, Del Rio International, Eagle Pass Airport, El Paso International, Hobby Airport, Jefferson County Airport, Laredo International, Miller International, or Presidio-Ley International in Texas; Calexico International, or Brown Field in California; Bisbee Douglas International, Nogales International, Tuscon International, or Yuma International in Arizona; Las Cruces Intl in New Mexico; Lakefront or New Orleans Intl (Moisant Field) in Louisiana; Fort Lauderdale Executive, Fort Lauderdale-Hollywood International, Key West Airport, Miami International, Opa-Locka Airport, St. Lucie County International, Tampa International, or West Palm Beach Airport in Florida.

CAUTION—HIGH DENSITY AIR TRAFFIC AREA

Heavy helicopter and seaplane traffic exists over the Gulf of Mexico and adjacent onshore areas. Thousands of operations per month occur in this area in support of oil drilling and exploration.

Itinerant pilots traversing this area should familiarize themselves with offshore operating practices and frequencies through contact with the pertinent Flight Standards District Office (FSDO) or Flight Service Station.

MILITARY TRAINING ROUTES

The DOD Flight Information Publication AP/1B provides textual and graphic descriptions and operating instructions for all military training routes (IR, VR, SR) and refueling tracks/anchors. Complete and more comprehensive information relative to policy and procedures for IRs and VRs is published in FAA Handbook 7610.4 (Special Military Operations) which is agreed to by the DOD and therefore directive for all military flight operations. The AP/1B is the official source of route data for military users.

The following narratives summarize the FAR Part 93 Special Air Traffic Rules, and Airport Traffic Patterns in effect as prescribed in the rule. This information is advisory in nature and in no way relieves the pilot from compliance with the specific rules set forth in FAR Parts 91 and 93.

Special Airport Traffic Areas prescribed in Part 93 are depicted on Sectional Aeronautical Charts, World Aeronautical Charts, Enroute Low Altitude Charts, and where applicable, on VFR Terminal Area Charts.

OPERATIONS RESERVATIONS FOR HIGH DENSITY TRAFFIC AIRPORTS KENNEDY, LAGUARDIA, WASHINGTON NATIONAL, AND O'HARE

The Federal Aviation Administration (FAA) by Federal Aviation Regulations, Part 93, Subpart K, has designated High Density Traffic Airports (HDTAs) and has prescribed air traffic rules and requirements for operating aircraft (excluding helicopter operations) to and from these airports.

In order to improve the Airport Reservation Program, the FAA has installed a Computerized Voice Reservation System which is operated by touch tone or rotary dial telephone, or by personal computer with a modem. To access the system via telephone dial 1-800-875-9694. To make a reservation using a PC, dial toll free 1-800-875-9759. Computer-to-computer interface requires a modem capable of a 300 to 9600 baud rate and standard communication software package set to No parity, 8 data bits, and 1 stop bit (N,8,1). Users departing a Trans-Atlantic Airport for arrival to a high density airport should continue to use the procedure outlined in Advisory Circular AC 90-43G, paragraph 5, which states to contact the nearest Flight Service Station.

The Airport Reservation Computer will accept reservation for Ronald Reagan Washington National Airport (DCA), John F. Kennedy International Airport (JFK), LaGuardia Airport (LGA), and Chicago O'Hare International Airport (ORD) beginning 48 hours prior to the proposed time of operation at the affected airport. (The reservation program for Newark Airport has been suspended indefinitely.) Request for an 11 a.m. operation on Thursday will be accepted starting 11 a.m. on the preceding Tuesday. An exception to the 48 hours limitation is made for weekends to recognize normal business hours. A reservation request for an IFR operation on Monday will be accepted on the previous Thursday starting at the proposed hour of operation. Request for an 11 a.m. reservation on Tuesday would be accepted beginning 11 a.m. on Friday. If the previous Friday is an observed holiday, the procedure will be in effect on Thursday. A maximum of two reservations per phone call will be accepted. A pilot may request for arrival and departure during the same phone call providing both fall on the same calendar day. A reservation request for an 11 a.m. arrival on Friday and a 4 p.m. departure on the same day may be made beginning at 11 a.m. on Wednesday.

IFR reservations must be obtained prior to IFR landing or takeoff at an HDTA. An ATC clearance does not constitute a reservation under FAR 93, subpart K.

Aircraft involved in medical emergencies only will be handled with the Air Traffic Control (ATC) system without regards to a reservation after obtaining prior approval of the ATC System Command Center on (703) 904-4525.

NOTE: For scheduled operations, fixed wing VFR arrival and departure operations are not authorized at LGA unless the operator has an approved slot allocation. VFR reservations via ATC for non-scheduled operations are not authorized between the hours of 0700 local to 0900 local and 1600 local to 1900 local, Monday through Friday and Sunday evenings, unless otherwise announced by NOTAM.

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CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
LOUISIANA			
BATON ROUGE/BTR	13	04L/22R	3,550 feet
	22R	13/31	3,450 feet
	22L	13/31	2,900 feet
NEW ORLEANS/NEW	18R	09/27	5,359 feet
	27	18R/36L	2,560 feet
TEXAS			
DALLAS-FT WORTH/DFW	17C	TWY B*	8,450 feet
	18R	TWY B*	8,100 feet
	35C	TWY EJ*	9,050 feet
	36L	TWY Z*	10,650 feet
LONGVIEW/GGG	17	04/22*	3,300 feet
	22	17/35*	4,000 feet
	31	17/35*	8,100 feet
	35	13/31*	4,150 feet
WACO/ACT	14	01/19	5,150 feet
	19	14/32	6,050 feet

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CONNECTICUT			
BRIDGEPORT/BDR	06	11/29*	3,700 feet
	11	06/24*	3,350 feet
WINDSOR LOCKS/BDL	06	01/19*	6,000 feet
	15	01/19*	4,700 feet
	24	15/33*	5,850 feet
	33	06/24*	4,550 feet
DELAWARE			
WILMINGTON/ILG	01	09/27*	4,000 feet
	09	01/19*	4,800 feet
	14	01/19*	4,500 feet
	19	14/32*	5,600 feet
	27	14/32*	5,150 feet
	32	09/27*	3,450 feet
DISTRICT OF COLUMBIA			
WASHINGTON/IAD	12	19R/01L*	8,000 feet
MAINE			
PORTLAND/PWM	11	18/36*	5,300 feet
	18	11/29*	3,500 feet
MARYLAND			
HAGERSTOWN/HGR	09	02/20*	3,500 feet
MASSACHUSETTS			
BEDFORD/BED	11	05/23*	2,650 feet
	29	05/23*	3,650 feet
	05	11/29*	3,000 feet
BEVERLY/BVY	09	16/34*	3,500 feet
	16	09/27*	4,000 feet
BOSTON/BOS	04L	15L/33R	5,250 feet
	15R	09/27	6,800 feet
	22L	09/27	6,400 feet
	27	04R/22L	5,650 feet

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CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
HYANNIS/HYA	15	06/24*	4,150 feet
	24	15/33*	4,650 feet
NANTUCKET/ACK	06	15/33*	4,300 feet
	33	06/24*	3,150 feet
NORWOOD/OWD	35	10*	3,100 feet
	NEW HAMPSHIRE		
LEBANON/LEB	25	18/36*	3,650 feet
	36	07/25*	4,200 feet
MANCHESTER/MHT	06	17/35*	4,400 feet
	35	06/24*	5,150 feet
NEW JERSEY			
ATLANTIC CITY/ACY	04	13/31*	3,550 feet
	13	04/22*	3,600 feet
	31	04/22*	5,750 feet
MORRISTOWN/MMU	23	12/30*	3,650 feet
NEWARK/EWR	11	04R/22L*	5,700 feet
	04R	11/29*	8,100 feet
TETERBORO/TEB	01	06/24*	4,550 feet
	06	01/19*	3,750 feet
NEW YORK			
ALBANY/ALB	01	10/28*	4,150 feet
	28	01/19*	3,750 feet
ELMIRA/ELM	24	10/28*	4,750 feet
	28	06/24*	3,450 feet
FARMINGDALE/FRG	32	01/19*	3,650 feet
ISLIP/ISP	06	15R/33L*	4,200 feet
	06	15L/33R*	5,150 feet
	15R	10/28*	4,600 feet
	24	10/28*	4,650 feet
	28	06/24*	4,500 feet
	33L	06/24*	2,400 feet
	09	16/34*	6,900 feet
NEWBURGH/SWF	34	09/27*	3,400 feet
	NEW YORK/JFK	13R	04L/22R
13L		04L/22R	6,500 feet
22R		13R/31L	4,500 feet
NEW YORK/LGA	04	13/31*	4,600 feet
	31	04/22*	5,500 feet
POUGHKEEPSIE/POU	06	15/33	3,150 feet
SYRACUSE/SYR	10	15/33*	7,700 feet
	15	10/28*	6,000 feet
WESTCHESTER/HPN	16	11/29*	4,000 feet
	11	16/34*	2,500 feet

LAHSO

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
PENNSYLVANIA			
ERIE/ERI	24	02/20*	4,100 feet
LANCASTER/LNS	26	13/31*	3,700 feet
PHILADELPHIA/PHL	09L	17/35*	7,350 feet
	17	09L/27R*	4,400 feet
PHILADELPHIA/PNE	24	15/33*	4,150 feet
	33	06/24*	3,650 feet
PITTSBURGH/AGC	10	13/31*	3,250 feet
	28	05/23*	4,450 feet
PITTSBURGH/PIT	10R	14	10,650 feet
READING/RDG	13	18/36*	5,200 feet
	18	13/31*	3,050 feet
WILKES-BARRE/SCRANTON/AVP	04	10/28*	4,700 feet
	22	16/34*	3,900 feet
	28	16/34*	3,500 feet
WILLIAMSPORT -LYCOMING CO/IPT	09	12/30*	5,100 feet
	12	09/27*	3,000 feet
VERMONT			
BURLINGTON/BTV	01	15/33*	2,600 feet
	15	01/19*	3,750 feet
	33	01/19*	2,900 feet
VIRGINIA			
NEWPORT NEWS/PHF	20	07/25*	5,200 feet
	25	02/20*	6,550 feet
NORFOLK/ORF	14	05/23*	2,850 feet
	23	14/32*	6,300 feet
RICHMOND/RIC	07	16/34	4,200 feet
	16	07/25	5,550 feet
ROANOKE/ROA	33	06/24	4,200 feet
WEST VIRGINIA			
CHARLESTON/CRW	23	15/33*	3,750 feet
	33	05/23*	3,550 feet

TELEPHONE NUMBERS

Flight Service Station (FSS) numbers provide direct contact with an FAA pilot weather briefer.

Telephone Information Briefing Service (TIBS) provides continuous recordings of meteorological and/or aeronautical information including area and/or route briefings, airspace procedures and special announcements. A touch-tone telephone is required to fully utilize this service.

Transcribed Weather Broadcast telephone numbers (TEL-TWEB) provide access to the transcribed weather broadcast on selected navigational facilities.

National Weather Service (WS) numbers will connect you with a national weather service pilot briefer.

Further information can be found in the Aeronautical Information Manual, Chapter 7.

Numerous additional telephone numbers are listed under COMMUNICATIONS in the A/FD tabulation. If you wish to call an FSS, but do not have access to a directory listing, call the toll-free number, 1-800-555-1212.

FAST FILE FLIGHT PLAN SYSTEM

Some flight service stations have inaugurated this system for pilots who already have obtained a weather briefing and desire only to file a flight plan. Pilots may call the discrete telephone numbers listed and file flight plans in accordance with recorded taped instructions. IFR flight plans will be extracted and entered in the appropriate ARTCC computer. VFR flight plans will be retained at the FSS for activation by the pilot. This equipment is designed to automatically disconnect after 8 seconds of no transmission, so pilots are instructed to speak at a normal speech rate without lengthy pauses between flight plan elements. Pilots are urged to file flight plans into this system at least 30 minutes in advance of proposed departure.

- ★ TIBS
- TWEB
- ◆ Restricted Number for Aviation Weather Information
- §§ Fast File (Flight Plan Filing Only)

Location and Identifier	Area Code	Telephone
CONNECTICUT		
Bridgeport BDR	(203)	377-3548 377-4197
Connecticut Area	(203)	377-6635 1-800-WX-BRIEF 1-800-972-2272★ 1-800-972-2269§§ 1-800-624-9991
WS (clearance delivery only)		
DELAWARE		
Millville (De. Area)FSS		1-800-WX-BRIEF
DISTRICT OF COLUMBIA		
Ronald Reagan Washington National DCA (Leesburg)FSS		1-800-WX-BRIEF

LAND AND HOLD SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

The hold-short point, marked by an asterisk (*), represents the predetermined points on the runway other than a runway or taxiway.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
ILLINOIS			
ALTON-ST LOUIS/ALN	29	17/35*	6,850 feet
	35	11/29*	4,800 feet
BLOOMINGTON/BMI	02	11/29*	3,600 feet
	11	02/20*	6,200 feet
CARBONDALE/MDH	06	18L-36R*	3,100 feet
	24	18R-36L*	3,900 feet
	36R	06/24*	3,010 feet
CHAMPAIGN-URBANA/CMH	04L	14R/32L*	3,600 feet
	14R	04L/22R*	3,550 feet
	18	04L/22R*	4,100 feet
	22R	18/36*	4,700 feet
	32L	04L/22R*	4,050 feet
	36	14R/32L*	3,950 feet
CHICAGO/ARR	09	18/36	3,450 feet
	15	09/27	3,900 feet
	27	15/33	4,000 feet
CHICAGO/ORD	09R	Twy Sierra*	9,300 feet
	14R	09R/27L*	9,800 feet
	22R	09L/27R*	6,050 feet
	27R	04L/22R*	5,700 feet
CHICAGO/PROSPECT HEIGHTS/WHEELING/PWK	16	12/30	3,650 feet
DECATUR/DEC	06	12/30*	4,800 feet
	12	06/24*	4,450 feet
	18	06/24*	4,450 feet
	24	12/30*	3,000 feet
	24	18/36*	8,000 feet
	30	18/36*	5,050 feet
	36	12/30*	4,800 feet
MARION/MWA	20	11/29*	4,850 feet
	29	02/20*	4,650 feet
MOLINE/MLI	05	09/27	2,950 feet
	05	13/31	2,950 feet
	09	05/23	5,500 feet
	09	13/31	5,500 feet
	13	05/23	3,100 feet
	13	09/27	3,100 feet
	27	05/23	3,350 feet
	27	13/31	3,350 feet
	31	05/23*	2,550 feet
	31	09/27*	2,550 feet
PEORIA/PIA	13	04/22*	7,600 feet
	22	13/31*	5,100 feet
ROCKFORD/RFD	01	07/25*	6,000 feet
	07	01/19*	8,800 feet

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
SPRINGFIELD/SPI	04	13/31	3,200 feet
	22	13/31	4,150 feet
	31	04/22	3,350 feet
INDIANA			
BLOOMINGTON/BMG	17	06/24*	6,100 feet
FORT WAYNE/FWA	05	14/32*	9,150 feet
	14	05/23*	5,350 feet
	27	05/23*	2,700 feet
LAFAYETTE/LAF	10	05/23	4,600 feet
MUNCIE/MIE	14	02/20*	4,300 feet
	20	14/32*	3,300 feet
SOUTH BEND/SBN	27L	18/36*	3,950 feet
TERRE HAUTE/HUF	05	14/32*	7,150 feet
	06	18/36*	4,650 feet
	18	05/23*	3,300 feet
	23	18/36*	3,450 feet
	32	05/23*	4,250 feet
	32	18/36*	6,650 feet
	36	14/32*	3,200 feet
	MICHIGAN		
BATTLE CREEK/BTL	05	13/31*	7,000 feet
DETROIT/DET	15	07/25*	4,900 feet
DETROIT/DTW	03R	09L/27R*	9,050 feet
	21L	09R/27L*	8,150 feet
	27R	04R/22L*	7,850 feet
	27L	03R/21L*	4,750 feet
DETROIT-WILLOW RUN/YIP	05R	09L/27R*	6,900 feet
	23L	09R/27L*	7,050 feet
	27L	05R/23L*	6,000 feet
FLINT/FNT	09	18/36*	4,100 feet
	36	09/27*	6,300 feet
JACKSON/JXN	24	14/32	3,400 feet
TRAVERSE CITY/TVC	18	10/28*	2,850 feet
	28	18/36*	5,500 feet
OHIO			
AKRON/CAK	05	01/19*	4,450 feet
	05	14/32*	3,850 feet
	14	01/19*	3,200 feet
	19	05/23*	3,700 feet
	19	14/32*	4,750 feet
	23	14/32*	3,050 feet
CLEVELAND/CLE	06R	10/28*	8,200 feet
	06L	10/28*	6,300 feet
COLUMBUS/OSU	10	06L/24R*	3,100 feet
	05	09L/27R	3,350 feet
	09L	05/23	2,550 feet
DAYTON/DAY	09R	14/32	3,300 feet
	14	09R/27L	2,750 feet
	27L	05/23	3,300 feet
	18	06R/24L*	6,900 feet

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CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
MANSFIELD/MFD	05	14/32*	4,350 feet
	14	05/23*	6,100 feet
TOLEDO/TOL	34	07/25*	4,250 feet
	07	16/34*	8,600 feet
WISCONSIN			
APPLETON/ATW	03	11/29*	3,300 feet
	21	11/29*	3,100 feet
	29	03/21*	3,400 feet
GREEN BAY/GRB	18	06/24*	3,150 feet
	24	18/36*	6,050 feet
	36	06/24*	4,400 feet
	13	03/21*	4,000 feet
LA CROSSE/LSE	18	03/21*	6,450 feet
	21	18/36*	4,200 feet
	03	13/31	3,400 feet
MADISON/MSN	18	03/21	4,850 feet
	21	18/36	6,450 feet
	31	18/36*	5,300 feet
	36	13/31*	7,050 feet
	26	17/35*	7,300 feet
MOSINEE/CWA	26	17/35*	7,300 feet
	35	08/26*	5,000 feet

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LAND AND HOLD SHORT OPERATIONS (LAHSO)

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The hold-short point, marked by an asterisk (*), represents the predetermined points on the runway other than a runway or taxiway.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LOG RWY		HOLD-SHORT POINT	MEASURED DISTANCE
ALABAMA				
BIRMINGHAM/BHM	06		18/36	8,700 feet
	36		06/24	5,150 feet
MONTGOMERY/MGM	10		03/21*	6,000 feet
FLORIDA				
DAYTONA BEACH/DAB	07L		16/34	7,950 feet
	16		07L/25R	2,900 feet
FORT LAUDERDALE/FXE	26		13/31	3,000 feet
	31		08/26	3,250 feet
FORT MYERS/FMY	05		13/31	3,250 feet
JACKSONVILLE/CRG	14		05/23*	3,650 feet
	05		14/32	3,600 feet
LAKELAND/LAL	05		09/27*	2,500 feet
	09		05/23*	6,000 feet
MIAMI/MIA	09R		12/30*	9,750 feet
	12		09R/27L*	8,100 feet
ORLANDO/ORL	13		07/25	2,400 feet
	25		13/31	4,500 feet
	31		07/25	2,100 feet
ORLANDO/SFB	09L		18/36	5,500 feet
	09C		18/36	3,150 feet
	36		09L/27R	5,300 feet
POMPANO BEACH/PMP	15		10/28	3,800 feet
	10		15/33	3,000 feet
SARASOTA/SRQ	04		14/32	1,800 feet
	14		04/22	3,800 feet
	22		14/32	2,750 feet
	32		04/22	2,800 feet
ST PETERSBURG/PIE	04		09/27	3,950 feet
	09		04/22	4,700 feet
	17L		04/22	7,550 feet
	22		17L/35R	4,550 feet
	35R		09/27	3,100 feet

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CITY/AIRPORT	LOG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
TAMPA/TPA	18L	09/27*	5,650 feet
	27	18L/36R*	4,350 feet
TITUSVILLE/TIX	09	36/18*	4,200 feet
	36	09/27*	3,750 feet
VERO BEACH/VRB	29L	04/22	4,700 feet
WEST PALM BEACH/PBI	13	09L/27R*	4,445 feet
	09L	13/31	3,450 feet
	27R	13/31	4,250 feet
GEORGIA			
ATHENS/AHN	09	02/20	4,900 feet
SAVANNAH/SAV	09	18/36	5,450 feet
	27	18/36	3,250 feet
	36	09/27	4,050 feet
NORTH CAROLINA			
FAYETTEVILLE/FAY	22	10/28*	5,950 feet
	28	04/22*	3,400 feet
GREENSBORO/GSO	14	05/23	3,450 feet
	23	14/32	9,200 feet
	32	05/23	2,600 feet
WILMINGTON/ILM	17	06/24*	4,850 feet
	24	17/35*	4,550 feet
WINSTON-SALEM/INT	33	04/22	5,980 feet
SOUTH CAROLINA			
CHARLESTON/CHS	03	15/33	5,550 feet
	15	03/21	5,700 feet
	21	15/33	900 feet
	33	03/21	2,900 feet
FLORENCE/FLO	09	01/19*	2,600 feet
	27	01/19*	3,350 feet
	01	09/27*	3,500 feet
TENNESSEE			
SMYRNA/MQY	32	01/19	3,950 feet
	01	14/32	3,000 feet