

GOVERNMENT/INDUSTRY AERONAUTICAL CHARTING FORUM 03-01

April 30-May 1, 2003

Recommendation Document

Subject: Depicting LAHSO Hold Short Lighting and Hold Short Points

Background/Discussion: FAA Order 7110.118, paragraph 11.c.(1)(c) states "Land and hold short lights are required for all LAHSO except non-air carrier to non-air carrier runway/runway daytime LAHSO." The lights are not depicted on the airport diagrams nor are they in any other source document available to pilots.

Additionally, the NACO airport diagrams do not depict the Hold Short Point(s) (HSP) while Jeppesen airport diagrams show the hold short points inconsistently (e.g. KIAD has HS1 on rwy 12 while KDFW does not depict any of its 3 HSPs). Please see the attached diagrams.

The NACO Airport/Facility Directory (A/FD) lists the LAHSO distance in the LAHSO section and Jeppesen lists the LAHSO distance for specific runways under the Additional Runway Information section of the -9 pages. Neither the A/FD nor -9 pages indicate whether or not LAHSO lights are installed.

Since the lights and signs are required and pilots are required to be knowledgeable and trained on LAHSO prior to conducting these operations, they need to know the location of the lights and signs.

Recommendation:

NACO:

1. Depict LAHSO Hold Short Points (HSP) on the airport diagram.
2. Depict LAHSO Distances along with the HSP on the airport diagram.
3. Depict LAHSO Hold Short Lights (HSL) on the approach chart airport diagram if applicable.
4. Add a description of LAHSO Hold Short Points and Lights to the Legend.

Jeppesen:

1. Depict LAHSO Hold Short Points (HSP) on the airport diagram (-9 page).
2. Depict LAHSO Distances along with the HSP on the airport diagram.
3. Depict LAHSO Hold Short Lights (HSL) in the Additional Runway Information on -9a page if applicable.
4. Add a description of LAHSO Hold Short Points and Lights to the Legend.

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MEETING 03-01: Mr. Kevin Comstock, ALPA submitted this issue. He recommends the depiction of LAHSO hold short points, distance lines and hold short lights as well as a description of LAHSO hold short points and lights be added to the FAA airport diagrams. He also recommends the depiction of LAHSO hold short points (-9 page) and LAHSO distances as well as LAHSO hold short lights (-9a page) on the Jeppesen airport diagrams. He also recommends a description of LAHSO hold short points and lights be added to the Jeppesen legend. A handout was provided by ALPA to illustrate the recommendations. Mr. Ted Thompson stated that airport information must flow to ATA to do this. There was also a discussion about lighting standards for LAHSO and it was pointed out that air carriers need lights for LAHSO operations. **ACTION:** ATA-130.

MEETING 03-02: Meeting canceled.

MEETING 04-01: Ms. Valerie Watson, ATA-130 stated that the LASHO distance data is published in the back of A/FD under the Land and Hold Short Operation Section, and Jeppesen list distances in the additional runway information section of the -9 pages. It was stated that neither publication lists whether the land and hold short lights are installed. Recommendation was made to depict LASHO HSP and hold short lights on the airport diagram. The ACF consensus was for ATA to prepare a CCP for circulation/comment at the next ACF. Pending resolution of any issues associated with the CCP an IACC RD will be submitted to the MPOC. FAAO 7210.3, Facility Operation and Administration will need to be amended to provide for LASHO land and hold short lighting updates **ACTION:** ATA-130.

MEETING 04-02: Mr. Dick Powell, Aeronautical Information Services, stated that the issue has been discussed with the LAHSO office, initially Ms. Diane Crean, and then with Mr. Gary Norek, and most recently with Ms. Angela Nelson, Terminal Services. All three have concurred with charting of LAHSO hold short point data on Airport Diagrams. However the hold short lights remain in question. Mr. Mark Ingram, ALPA, stated that the hold short lights are not always available and that this information is critical to the user. Ms. Valerie Watson, Cartographic Standards, stated that the Terminal Services office has not submitted a formal requirement request. When the Aeronautical Information Services receives the official request a requirement document will be submitted to the MPOC adding the recommended symbology and text to the airport diagrams. **ACTION:** IACC MPOCs.

MEETING 05-01: Mr. Dick Powell, Aeronautical Information Services, stated the Terminal Services Office has provided an official LAHSO requirement. This requirement will add LAHSO hold short point data on the Airport Diagrams. The hold short lights are not included in this requirement. Mr. Powell stated that the draft RD has been written adding the recommended symbology and text to the airport diagram specifications. **ACTION:** Cartographic Standards and IACC MPOCs

MEETING 05-02: Ms. Val Watson, Cartographic Standards, reported that RD 595, Charting of Land and Hold-Short Operations (LAHSO) points on airport diagrams was submitted to the IACC MPOC. The RD will establish the requirement to identify hold-short points on airport diagrams by a hold line (similar to that currently used for ILS hold lines) at the actual point on the runway where the hold-short point is positioned. The points will be identified by the letters 'LAHSO' leader-lined to the hold short point on the runway or taxiway. NACO was provided an excel spreadsheet that contains the LAHSO distances in feet. Ms. Watson reported that the LAHSO information currently published in the A/FD would not be deleted. NGA requested that

coordinates for LAHSO points be provided for database purposes. Providing the points in feet will require manual calculations each time the runway end coordinates change. Ms. Watson questioned Mr. Mark Washam, ATO-T, if the LAHSO order could be rewritten to include coordinates and if the order were not rewritten would we ever get coordinates. Mr. Washam responded that Airport Safety Data Program AAS-330 is responsible for collecting this information. Mr. Washam stated that the LAHSO Office is not interested in reopening the LAHSO Order to include the coordinate requirement. Mr. Washam stated that he would ask Airport Safety to collect the information. Mr. Ted Thompson, Jeppesen, concurred stating that coordinates are required for the data driven world. Mr. Tom Schneider, AFS-420, stated Airport Safety should participate in the ACF. Mr. John Moore, NACO recommended that the coordinate issue be handled outside of the ACF. **ACTION:** IACC MPOCs.

MEETING 06-01: Ms. Val Watson, Cartographic Standards, reported that Requirement Document (RD) 595, Charting of Land and Hold-Short Operations (LAHSO) points on airport diagrams was signed by the IACC and implemented for the 13 April 2006 effective date. Jeppesen currently depicts the LAHSO distance information as part of the Additional Runway Information section of their airport diagrams. ALPA requested that the depiction of LAHSO points on NACG and Jeppesen charts be consistent. FAA will provide a copy of RD 595 to Mr. Ted Thompson, Jeppesen, for review. Mr. Brian Townsend, ALPA, questioned the LAHSO data currently published on the 10-9 pages for Las Vegas McCarran International. Mr. Townsend explained that Las Vegas does not participate in LAHSO and charting the information is misleading to the flight crews. Ms. Valerie Watson will contact Terminal Operations to verify the information. LAHSO data is published by the NFDC as an add-on page to the NFDD. However, NASR version 7.2 scheduled for release in October 2006 will include discrete LAHSO fields. Mr. Mark Ingram, ALPA, inquired about the depiction of LAHSO lighting. Mr. Thompson responded that due to chart congestion Jeppesen would not chart LAHSO lighting. Mr. Ingram inquired if the lighting information was available in NASR. Ms. Watson responded that standard LAHSO lighting is always installed at the LAHSO points. Therefore charting of this information is not required. Mr. John Moore, NACG, informed the group that the LAHSO distance information is published alphabetically by city, state and airport name in Section O of the Terminal Procedures Publication (TPP) Legend. **CLOSED.**
