



Federal Aviation Administration

Memorandum

Date: March 25, 2022

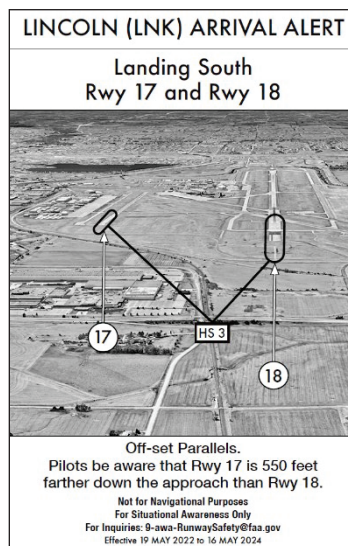
To: Gregory Yamamoto, Manager, Aeronautical Information Services
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Date: 2022.03.25
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From: Christopher J. Hope, Manager, Flight Technologies and Procedures Division

Subject: Support for Test Publication of Wrong Surface Hot Spot Arrival Alert Notices and Associated Airport Diagram Symbology

Background: The Runway Safety Group (AJI-141) is initiating a test of Arrival Alert Notice (AAN) pages as items in the Chart Supplement publication and charting of wrong surface hot spot symbology on airport diagrams. The test is expected to begin on May 19, 2022, and will last for one year. The AANs and associated hot spot symbology will be published for eleven airports in the National Airspace System. AANs support the wrong surface hot spot areas depicted on the respective airport diagrams. Those hot spots are intended to alert pilots to areas on takeoff and/or landing surfaces that could be confused for others. The AANs include a flight deck perspective photo of the runway environment, with the areas of interest identified in the photo, along with a textual description of the alert information. Figure 1 shows an example AAN.

Figure 1. Sample Arrival Alert Notice



Discussion: The 11 airports identified for the year-long test are:

- Tucson, AZ, Tucson Intl (TUS)
- Reno, NV, Reno/Tahoe Intl (RNO)
- Palm Springs, CA, Palm Springs Intl (PSP)
- San Jose, CA, Reid-Hillview of Santa Clara County (RHV)
- Rochester, NY, Frederick Douglass/Greater Rochester Intl (ROC)
- Honolulu, HI, Daniel K Inouye Intl (HNL)
- Idaho Falls, ID, Idaho Falls Rgnl (IDA)
- Atlanta, GA, DeKalb-Peachtree (PDK)
- Dallas, TX, McKinney Ntl (TKI)
- Minneapolis, MN, Flying Cloud (FCM)
- Lincoln, NE, Lincoln (LNK)

Some of these airports may have more than one associated AAN. The AANs will be provided by AJI-141 to the Aeronautical Charting Group (AJV-A2) in a publication-ready format, and AJV-A2 will publish these in the appropriate Chart Supplements.

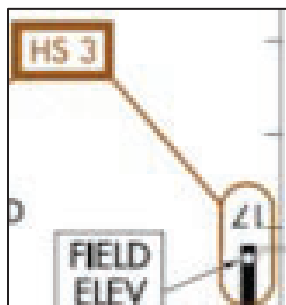
The Flight Technologies and Procedures Division (AFS-400) agrees with the proposed test plan as outlined in the AJI-141 document “Test Plan: Use of Cylinders and Arrival Alert Notices to help create Situational Awareness during Pilot Preflight Planning and help Mitigate Runway Confusion,” and supports publication of the AANs in the applicable Chart Supplements and charting of the associated hot spot symbology.

As addressed in the test plan, AJI-141, AJV-A2, and AFS-400 will conduct a review of the test progress, collected data, and user feedback at the approximate mid-point of the test period. Based on the available information at that time, the attending offices will determine if publication of the AANs and associated hot spot symbology is providing the intended results. If deemed successful, they will determine what steps would be necessary to permanently implement publication of the AANs. If the results are inconclusive or if the test does not appear to be successful, further discussion of future steps will be deferred pending additional test information.

If, at the end of the one-year test period, it is decided that publication of the AANs did not accomplish the desired results, AJV-A2 will remove the AANs from the Chart Supplement publications.

Additionally, AFS-400 authorizes AJV-A to depict the associated wrong surface hot spot symbol on the applicable airport diagrams as part of this test. This hot spot symbol will be in the form of a “cylinder,” and will be charted at the runway ends associated with the hot spot and labeled with “HS” followed by a number, correlating with the information located in the Chart Supplement Hot Spot tabulation section. Figure 2 shows an example of wrong surface hot spot charting.

Figure 2. Example of Wrong Surface Hot Spot on Airport Diagram



This memorandum rescinds AFS-400 memorandum “Support for Test Publication of Wrong Surface Hot Spot Arrival Alert Notices” dated February 7, 2022.

If you have any questions, please contact TJ Nichols at (405) 954-9359 or thomas.j.nichols@faa.gov.