

presentation

Taxiway Overflight
Air Canada Flight 759, Airbus A320-211, C-FKCK
San Francisco, California
July 7, 2017
Operational Factors

Air Canada

Overview

- Flight crew requirements to
 - Manually tune instrument landing system (ILS) frequency
 - Verify that navigational aids programmed
- Frequency information in approach guidance



Approach to Runway 28R

- Flight Management System (FMS) Bridge visual approach to 28R required manual tuning
 - First officer did not enter ILS frequency
 - Captain did not verify that frequency was tuned
 - First officer stated he "must have missed" frequency
- Flight crew could not take advantage of lateral guidance to ensure proper alignment

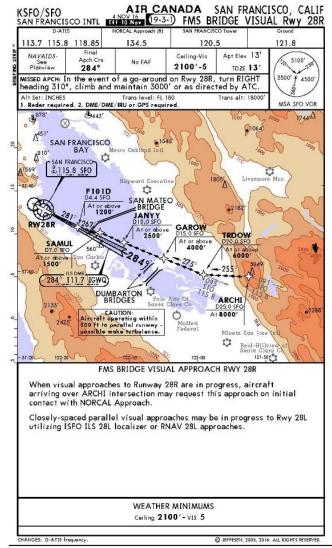


Manual Tuning of ILS Frequency

- FMS Bridge visual approach was only approach in Air Canada's A320 database that required manual tuning
- Related step in approach guidance not conspicuous



Approach Chart



Air Canada



KSFO/SFO

AIR CANADA SAN FRANCISCO, CALIF 4 NOV 16 19-3-1A Eff 10 Nov SAN FRANCISCO INTL

FMS BRIDGE VISUAL APPROACH RWY 28R (RNAV 28R)

The FMS Bridge Visual Approach is coded as the RNAV 28R Approach. Selecting this procedure will display the entire approach procedure, including missed approach guidance.

The FMS Bridge Visual Approach must be requested on initial contact with NORCAL Approach.

Embrao

Select the RNAV 28R approach from the database. Manually tune and preview the ILS 28R. Intercept the FMS Bridge Visual in LNAV and descend via the profile.

A319/320/321

Anticipate crossing ARCHI at 8,000'. Select the RNV28R approach from the database. Tune the ILS 28R. Intercept the FMS Bridge Visual track in NAV and descend via the profile. At or before F101D, disengage autopilot and continue as per Visual Approaches (SOP).

The FMS Bridge responsible for additional rest follow the FMS clearance for the following phrast THOUSAND, IN APPROACH CO

A319/320/321

Anticipate crossing APCHL at 8 000' Select the RNV28R approach from the database. Tune the ILS 28R. Intercept the FMS Bridge Visual track in NAV and descend via the profile. At or before F101D, disengage autopilot and continue as per Visual Approaches (SOP).

Approach Chart

CHANGES: Nor

D JEPPESEN, 2005, 2015. ALL RIGHTS RESERV

Air Canada



Summary

- Recommendation proposed to
 - Determine air carrier autotuning capabilities
 - Identify approaches that require manual frequency input
 - Develop solutions to address required manual frequency input





National Transportation Safety Board