International Civil Aviation Organization

SID STAR PROCEDURE IMPLEMENTATION STRATEGY

Introduction

1. The harmonized use of phrases for ATC clearances promulgated in ICAO Doc 4444 – Procedures for Air Navigation Services (PANS-ATM) is a safety-critical requirement to ensure a common understanding between ATC and flight crews, considering that flight crews are often operating in many different Flight Information Regions (FIRs) and terminal areas;

2. The PANS-ATM Amendment 7-A, applicable from 10 November 2016, included new provisions relating to ATC clearance phrases for use in Standard Instrument Departure (SID) and Standard Instrument Arrival (STAR) operations;

Implementation Strategy Guide:

Regional Activities

Feedback from industry has consistently highlighted the safety benefits of a harmonized implementation of the SID/STAR procedures, hence:

1. Planning and Implementation Regional Groups (PIRGs) should encourage States and Air Navigation Service Providers (ANSP) to implement the use of the SID/STAR-specific phrases specified in PANS-ATM Sections 6.3.2.4 and 6.5.2.4 by a commonly agreed date;

2. Implementation of SID/STAR procedures and phraseology should be undertaken as a joint project between the ANSP(s) and the State Regulator;

3. The application of SID/STAR procedures and phraseology must apply to all SID/STAR promulgated in the State Aeronautical Information Publication (AIP);

4. Neighboring States should consider common implementation dates.

Checklist of Actions

The following checklist of actions should be followed by each State or ATS Authority when planning and implementing the use of the SID-STAR-specific phraseology:

- Form a SID/STAR-specific phraseology implementation team, including ANSP(s), aircraft operators, pilots, ATC, instrument flight procedure designers, AIS, ATM automation system and safety management experts, and regulators;

- Ensure all steps in the implementation process are subject to appropriate safety management and regulatory oversight processes, as part of an overall project plan that includes a safety case;

- Determine the implementation date for SID/STAR-specific phraseology, taking into account the checklist actions below;

  i. The implementation date must conform to the Aeronautical Information Regulation and Control (AIRAC) provisions of Annex 15 – *Aeronautical Information Services*.

- Evaluate current SID/STAR published in the AIP, in collaboration with appropriately qualified operational pilot and ATC personnel:

  i. Consider the operational impact of SID/STAR-specific phraseology;

  ii. Make amendments as necessary to remove, as far as possible, the need for ATC interventions during normal operations; and

  iii. Ensure any amended SID/STAR are promulgated in accordance with AIRAC.

- Promulgate an Aeronautical Information Circular (AIC) informing all stakeholders of:

  i. the SID/STAR-specific provisions of PANS-ATM Amendment 7-A;

  ii. the planned implementation date; and

  iii. the availability of advisory, guidance or other reference material.

- Develop and deliver SID/STAR procedures and phraseology training for all concerned ATC staff:

  i. Include both theoretical instruction and practical training in an ATC training simulator.

  ii. Adopt a more holistic training approach to incorporate the new phraseology and procedures into existing operational workflow.

- Include assessment of the correct use of SID/STAR-specific phraseology in ATC performance assessment and other relevant licensing or competency-related processes;

- Prepare SID/STAR procedures and phraseology information and training packages for pilots;

- Coordinate and conduct safety oversight of the development and delivery of SID/STAR-specific phraseology procedures and training for pilots;

- Promulgate SID/STAR-specific phraseology in AIP Amendment or AIP Supplement, effective on the applicable AIRAC date and published in accordance with the advance-notification requirements of Annex 15;

- Monitor effective implementation.

The aforementioned actions should be incorporated into a project plan to be executed through the 2016 SID/STAR procedures and phraseology implementation team or other appropriate project management body.

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