ASIA/PACIFIC REGIONAL SID/STAR PHRASEOLOGY IMPLEMENTATION STRATEGY

Considering that:

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 common understanding of pilots operating in many different terminal areas, in many different Flight Information Regions (FIRs);

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

3. The application of phrases used by ATC and pilots for SID/STAR operations prior to PANS-ATM Amendment 7-A was inconsistent and frequently confusing to pilots;

4. The Air Traffic Management Sub-Group (ATM/SG) of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) concluded:

   Conclusion ATM/SG/5-17: SID/STAR Phraseology

   That, States are urged to take action to implement the SID/STAR-related phraseology included in Amendment 7 to Doc 4444 – PANS-ATM, ensuring that:

   1. any phraseologies published in AIP are amended to comply with the new Doc 4444 standards relating to SID and STAR phraseologies; and

   2. ATC and aircraft operator procedure manuals and training are updated to incorporate the new SID and STAR phraseologies.

5. The implementation of the new phrases in PANS-ATM Amendment 7-A for use in SID/STAR has not been uniform across the Region, and continues to result in confusion to pilots and potential safety risks;

6. Explanatory material supporting the implementation of the SID/STAR phraseology is available on the ICAO website at https://www.icao.int/airnavigation/sidstar/Pages/CHANGES-TO-SID_STAR-PHRA-SEOLOGIES.aspx; and

7. The ICAO SID/STAR Implementation Support Team (ISSIST) was established to address barriers to harmonized implementation of PANS-ATM Amendment 7-A SID/STAR phraseology;

The APAC Regional SID/STAR Phraseology Implementation Strategy is as follows:

1. Asia/Pacific Administrations are urged 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 no later than 07 November 2019;

2. The application of SID/STAR-specific phrases must occur on a common date for all SID/STAR promulgated in the State Aeronautical Information Publication (AIP);

3. Neighboring States should consider common implementation dates;
4. Implementation of SID/STAR-specific phrases should be undertaken as a joint project of the Air Navigation Service Provider, and the State Aviation Regulator;

5. The following checklist of actions should be followed by each Administrating when planning and implementing the use of the SID-STAR-specific phraseology:

a. Form a SID/STAR-specific phraseology implementation team, including appropriately qualified pilots, ATC, instrument flight procedure designers, AIS, ATM automation system and safety management experts, and regulators.

b. 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;

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

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

d. Evaluate current SID/STAR published in AIP, in collaboration with appropriately qualified operational pilot and ATC personnel;

   i. Consider the 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;

e. Evaluate ATC information processing and/or ATM automation system capability to accommodate SID/STAR-specific phraseology and any amended SID/STAR:

   i. Plan and prepare any necessary process changes and/or system upgrades.

f. 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;

g. Develop and deliver SID/STAR-specific phraseology training, for all Air Traffic Control (ATC) staff providing ATC clearances to flights for operations on SID/STAR;

   i. Include both theoretical instruction and practical training in ATC training simulator, supported by both theory and practical examinations to ensure competency.

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

i. Prepare SID/STAR-specific phraseology information and training packages for pilots;
j. Coordinate and conduct safety oversight of the development and delivery of SID/STAR-specific phraseology procedures and training for pilots;

k. 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.

l. Monitor effective implementation.