



ICAO

International Civil Aviation Organization

Eleventh Meeting of the FANS Interoperability Team – Asia  
(FIT-Asia/11)

Video Teleconference, 23 – 27 August 2021

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## Agenda Item 6: Data Link-related ANS Deficiencies

### AIR NAVIGATION DEFICIENCIES RELATING TO DATA LINK PERFORMANCE MONITORING AND ANALYSIS

(Presented by the Secretariat)

#### SUMMARY

This paper presents APANPIRG Air Navigation Deficiencies in the ATM field relating to data link performance monitoring and analysis.

## 1. INTRODUCTION

1.1 Air Navigation Deficiencies are raised to share among States information about deficiencies in a transparent manner, and to assist States to define their implementation priorities and to indicate remedial action required. Information on deficiencies from the Air Navigation Deficiencies database is provided to APANPIRG meetings for review under its terms of reference to, *inter alia*, make detailed assessment of the safety impact of the deficiencies as shown and propose remedial action required by States, for subsequent review by the Air Navigation Commission and Council.

## 2. DISCUSSION

2.1 APANPIRG/26, held in September 2015, agreed to the following Conclusion:

### ***Conclusion APANPIRG/26/25 – ANS Deficiencies Relating to Data Link Performance Monitoring and Analysis***

*That, an Air Navigation Deficiency should be raised against non-implementation of the provisions of Annex 11 Paragraph 2.27.5 when any FIT-Asia administration has implemented operational ADS-C/CPDLC services and:*

- a) has not made arrangements for the reporting and analysis of data link problems to a competent CRA as identified by the Regional Airspace Safety Monitoring Advisory Group (RASMAG); or*
- b) does not report data link problems to the CRA; or*
- c) does not provide data link problem analysis reports to a recognized FANS Interoperability/Implementation Team (FIT); or*
- d) does not provide data-link performance analysis reports to a recognized FIT.*

2.2 The reference to Annex 11 paragraph 2.75 has been updated in the ANS Deficiency List to refer to paragraphs 2.29 (Safety Management) and 3.3.5.2 (RCP/RSP monitoring programmes).

2.3 **Attachment A** provides the relevant excerpt of the APANPIRG ATM and Airspace Safety Deficiencies list as updated by APANPIRG/in November 2020. The information in the deficiency list is based on the information provided (or not provided) to FIT-Asia by States, and the information provided to and by the FIT-Asia CRA, IPACG FIT and ISPACG FIT.

2.4 The following deficiency is proposed for deletion:

**Fiji:** Problem reports not provided to CRA.

2.5 The following deficiency is proposed for amendment:

**India:** Performance monitoring and analysis not reported for ~~Kolkata and~~ Mumbai FIRs.

2.6 The following deficiency remain current:

**Maldives:** Problem reports not provided to CRA. Performance monitoring and analysis not reported to FIT.

2.7 The meeting is invited to note that future assessment of date link-related deficiencies will take into account the requirement for continuous monitoring of performance against RSP 180 and RCP 240 criteria, where performance-based separations requiring PBCS are in place, and appropriate analysis and corrective action to ensure communications and surveillance performance continues to support the application of performance-based separation minima.

2.8 The meeting is also invited to note that, while there has been considerable improvement in State submission of performance analysis reports to FIT in recent years, few States provide information on action taken to determine the causes of data link performance issues, and the corrective action taken.

### 3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) agree to the proposed amendment to the list of Air Navigation Deficiencies; and
- c) discuss any relevant matters as appropriate.

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**Excerpt - ATM and Airspace Safety Deficiencies List – Updated 27 November 2020 (APANPIRG/31)**

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
<b>Data Link Performance Monitoring and Analysis Requirements of Annex 11 paragraph 2.29 and/or 3.3.5.2 not met.</b>								
	Fiji	Post-implementation monitoring not implemented	25/06/2018	Problem reports not provided to CRA.		Fiji	TBD	A
	India	Post-implementation monitoring not implemented	5/6/2017	Performance monitoring and analysis not reported for the Kolkata and Mumbai FIRs.	Performance monitoring and analysis reported for Chennai FIR only. Delhi FIR N/A.	India	TBD	A
	Maldives	Post-implementation monitoring not implemented	29/5/2015	Problem Reports not provided to CRA. Performance monitoring and analysis not reported to FIT.		Maldives	TBD	A