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*International Civil Aviation Organization***The Combined Tenth Meeting of the South Asia/Indian Ocean ATM Coordination Group (SAIOACG/10) and Twenty—Seventh Meeting of the South-East Asia ATS Coordination Group (SEACG/27)**

Video Teleconference, 29 March – 02 April 2021

Agenda Item 3: Review of Current Operations and Problem Areas**REDUCTION IN LARGE HEIGHT DEVIATIONS (LHDs) IN OCEANIC AIRSPACE**

(Presented by India)

SUMMARY

This paper presents information on the efforts of India in reducing the LHDs across the FIR boundary by utilizing Space-based ADS-B (SB ADS-B) surveillance in the oceanic airspace.

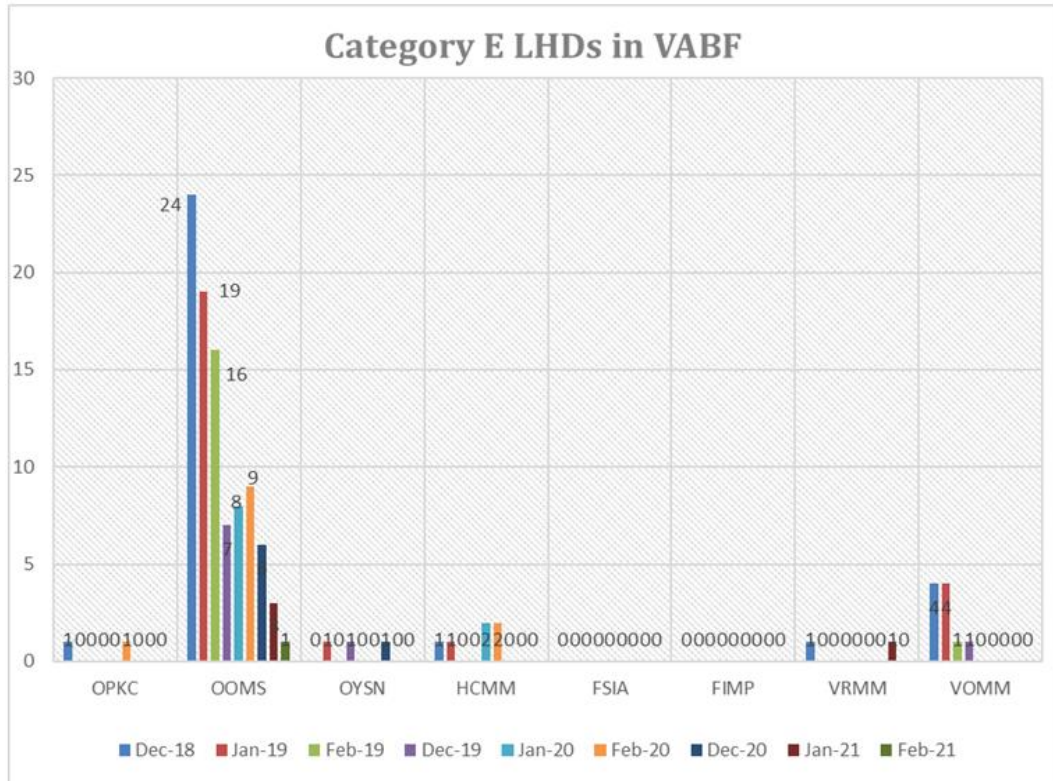
1. INTRODUCTION

1.1 Airports Authority of India has incorporated data from SB ADS-B for situational awareness in the Oceanic airspace of Chennai, Mumbai and Kolkata FIRs. An indirect benefit has been the reduction of LHDs.

2. DISCUSSIONEfforts to Check Category E LHDs along Common FIR Boundaries

2.1 Efforts were made to adopt AIDC as the primary means of coordination in order to eliminate the hear-back read-back errors in voice coordination. The in-compatibility of the ATC automation systems had delayed implementation AIDC procedures with certain FIRs.

2.2 Oceanic airspace in Mumbai FIR was devoid of surveillance cover, (except for the FANS1/A equipped fleet) and Airports Authority of India implemented SB ADS-B to enhance surveillance. In Phase-I, SB ADS-B surveillance data is utilized in oceanic airspace for situational awareness purpose to support present level of services with improved safety. The detection of LHDs, especially Category E LHDs which was hitherto delayed till a procedural aircraft position report (HF) was processed or a surveillance cover was available. An ADS-B cover extending beyond the common boundary has enabled the controllers check the instances of all LHDs prior to FIR boundary. The sample data of safety enhancements addressing Category E LHDs in Mumbai FIR is presented below:



3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate.

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