International Civil Aviation Organization

NINETEENTH MEETING OF THE COMMUNICATIONS/NAVIGATION AND SURVEILLANCE SUB-GROUP (CNS SG/19) OF APANPIRG

Bangkok, Thailand, 20 – 24 July 2015

Agenda Item 6: **Surveillance**

ADS-B DATA SHARING BETWEEN INDIA AND MYANMAR

(Presented by India)

SUMMARY

This paper summarizes the present status of data sharing between India and Myanmar, who had agreed in principle to share data from the Agartala, Port Blair, Sittwe and Coco Island sites.

Strategic Objectives:
A: Safety
C: Environmental Protection and Sustainable Development of Air Transport

1.   INTRODUCTION

1.1.   Recommendation 1/7 of the ICAO AN CONF/12 has recognized the effective use of automatic dependent surveillance - broadcast (ADS-B) and associated communication technologies in bridging surveillance gaps and using automatic dependent surveillance-broadcast (ADS-B) data to enhance safety, increase efficiency and achieve seamless surveillance.

1.2.   ADS-B data sharing between States concerned including Myanmar and India was initiated at the eleventh meeting of APANPIRG ADS-B SITF in April 2012. The discussion covered a draft ADS-B data sharing agreement, implementation issues, financing model, maintenance options and key project milestones between Airports Authority of India and DCA Myanmar.

1.3.   India is committed to its willingness for resource sharing at ICAO meetings. India has expressed willingness to share ADS-B data with Myanmar, Maldives, Sri Lanka, Malaysia and Indonesia.

2.   DISCUSSION

2.1   SITF/12 adopted Draft Conclusion 12/2 - Milestone for Data-sharing between India and Myanmar.

2.2   India and Myanmar earlier agreed in principle to share data from nominated sites Agartala & Port Blair, Sittwe & Coco Islands.

2.3   Port Blair and Agartala ADS-B ground receivers have been installed and the regulatory approval is expected in near term.

2.4   Myanmar informed India that the ADS-B installation at Sittwe and Coco Island has been completed.

2.5   Letter of Agreement for ADS-B Collaboration has been signed between India and DCA, Myanmar, however final clearance from Government has to be obtained, which is expected shortly.

2.6   As regards media, in view of existing service provider expressing inability to continue with the satellite link between India and Myanmar, India is in the process of upgrading the media from satellite connectivity to wired media through submarine cable and OFC.

2.7   The up-gradation of media to submarine/OFC may take some time as the feasibility could not be established by the service provider at Mumbai and Cochin where the submarine cables are landing , owing to non-availability of bandwidth at Mumbai and non- feasibility of last mile connectivity at Cochin from point of landing of submarine cable due to local issues.

2.8   Efforts are still on and service provider has been asked to see if the feasibility can be achieved by making available higher bandwidth. However, till that time the data sharing shall use the existing connectivity.

2.9   Meanwhile Myanmar is also requested to look into joining the CRV (Common regional VPN network) for Asia/Pac once established for smooth connectivity for ADS-B data transportation.

3.   ACTIONS BY THE MEETING

3.1   The meeting is invited to:

a) take note of India's plans for ADS-B data sharing between India and Myanmar;

b) urge Myanmar to consider joining CRV; and

c) discuss any relevant matters as appropriate in this context.

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