

*International Civil Aviation Organization*



ICAO

**Twenty Sixth Meeting of the Communications/  
Navigation and Surveillance Sub-group (CNS SG/26) of  
APANPIRG**

Video Tele-Conference, 5 – 9 September 2022

**Agenda Item: 3**

3.1 Review Report of the Ninth Meeting of the Aeronautical Communications Services Implementation Coordination Group (ACSICG/9) including:

- Report of the Ninth and Tenth Meetings of Common Aeronautical VPN Operations Group (CRV OG/9 & 10);

**CHALLENGES FACED IN JOINING CRV**

(Presented by AASL/Sri Lanka)

**SUMMARY**

This information paper presents challenges that AASL is facing in joining CRV

**1. INTRODUCTION**

1.1 Sri Lanka had declared a phased CRV migration in Q1 of 2023 initially with AMHS Singapore under Package D.

1.2 Challenges have been identified with the current economic crisis in Sri Lanka and the declaration of CRV migration by India.

**2. DISCUSSION**

2.1 AASL/Sri Lanka planned CRV migration in a phased manner first with AMHS Singapore and the tests to be started tentatively in Nov 2022 (Due to chipset shortage this may vary). There is no difference in cost between existing and CRV circuits with Singapore.

2.2 AASL/Sri Lanka was informed that India is also migrating CRV very soon and AMHS Mumbai connection is planned to be replaced with CRV. Existing circuit cost is 8 times higher than CRV Package D.

2.3 AASL/Sri Lanka sought possible options on CRV migration with both AMHS Singapore and Mumbai, which are

*Option 1 :- Package D with 128kbps BW 64k for Singapore and 64k for Mumbai*

*Option 2 :- Package D+ with 128kbps BW 64k for Singapore and 64k for Mumbai*

2.4 Option 1 is economically feasible. However a single point of failure (Remote Access CE Router failure or Local Internet Service provider Equipment/network failure) will result total disconnection of AMHS/AFTN to both Sri Lanka and Maldives.

2.5 Option 2 will eliminate single point of failure, however the additional cost required to implement Package D+ is 8 times higher than the existing circuit cost of AMHS connection between Sri Lanka and Mumbai. This is with the present economic crisis in Sri Lanka where Sri Lanka Rupee has been depreciated against USD.

2.6 Therefore until such time the economy in Sri Lanka will be converged towards a positive growth rate (most probably until Dec 2023), AASL/Sri Lanka has a challenge to go for option 2. Further until such time, necessary negotiations are proposed to begin with India on following options.

Option A :- To retain with existing AMHS Mumbai/Colombo IPLC circuit

Option B :- To migrate CRV with AMHS Mumbai/Colombo under Package D at Sri Lanka end and keep the existing AMHS Mumbai/Colombo IPLC circuit as a contingency for CRV. In this case even in a CRV single point failure, both AMHS/AFTN communication between Mumbai and Singapore towards Sri Lanka and Male will be passed through the existing IPLC circuit.

Option C :- To migrate CRV with AMHS Mumbai/Colombo under Package D at Sri Lanka end and procure a low cost VPN connection between Mumbai and Sri Lanka as a contingency for CRV.

### **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 matter as appropriate

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