



*International Civil Aviation Organization*

**THE SECOND MEETING OF AERONAUTICAL COMMUNICATION SERVICE (ACS) IMPLEMENTATION CO-ORDINATION GROUP OF APANPIRG (ACSICG/2)**

Bangkok, Thailand, 20 - 22 May 2015

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**Agenda Item 6: Review outcome of the Common Regional VPN Task Force**

**INTER-REGIONAL TELECOMMUNICATION CONNECTIONS**

(Presented by Federal Aviation Administration/USA)

**SUMMARY**

This paper conveys the options to replace existing International Private Line (IPL) between Air Navigation Service Providers (ANSPs). The use of a common network is highly recommended to standardize Internet Protocol (IP) interface and equipment maintenance.

**1. Introduction**

1.1 A common IP network provider, Pan-European Network Service (PENS), has been used in the European region, and FAA Telecommunication Infrastructure (FTI) has also been in extensive operation in Canada and USA.

1.2 The Asia/Pacific region is undertaking an effort to implement a common IP network service in the region which is planned for contract award by 2016 and service operation by 2017. The planned network is named Common Regional Virtual Private Network (CRV).

1.3 There is no documented plan in place to replace existing IPLs between ICAO regions. The IPL as a service will not be supported by industry in the near future and existing IPLs cannot support IP due to its limited bandwidth.

1.4 The equipment to support IPL service is obsolete and has been difficult to maintain as spare part inventory is depleting and many parts are no longer manufactured.

**2. Discussion**

ANSPs in the Asia/Pacific region who have IPLs with other ICAO regions should consider the following options to replace existing IPLs:

- 1) Invite counterparts in other ICAO regions to join CRV or
- 2) Join the respective ICAO regional IP network (e.g. PENS) or
- 3) Establish a bi-lateral agreement for a single telecommunication network vendor

It is expected that data communication, the entry point to between ANSPs is still governed by Air Traffic Service Message Handling System (AMHS) routing policy.

2.1 It is recommended that meeting review these alternatives and inform effected ACSICG members.

**3. Action by the Meeting**

3.1 The meeting is invited to

- a) note the content of this paper;
- b) take appropriate action; and
- c) document accordingly

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