INTERNATIONAL CIVIL AVIATION ORGANIZATION

COM CO-ORDINATION MEETING
(People's Republic of China, Lao PDR, Nepal,
Myanmar and Thailand)
18 – 19 February 2014, Chengdu, China

Agenda Item 1: Review of AFS communication requirements in the Sub-regions

RELEVANT APANPIRG CONCLUSIONS

(Presented by the Secretariat)

SUMMARY

This paper reviews a list of relevant Conclusions in the Communication fields formulated by APANPIRG for review.

1.   Introduction

1.1   Relevant Conclusions in the Communication fields formulated by the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) are provided in this paper for review by the meeting. ICAO contracting States in the region are requested to take appropriate follow-up actions in accordance with these Conclusions.

2.   Discussion

2.1   Circuit Planning

2.2.1   The 11th Meeting of APANPIRG held in October 2000, based on the information available regarding emerging digital circuits or networks being implemented in the ASIA/PAC region and also in the adjacent region, considered desirable to recommend the use of digital communication network or circuits to support AFS communications requirements. The meeting, therefore, adopted following conclusion:

Conclusion 11/14 - Use of digital circuits

That, States consider implementing digital communication networks or circuits in a co-ordinated manner in order to meet current and future AFS communication requirements for data/voice communications and to facilitate the introduction of ATN.

2.2.2   APANPIRG/11 also identified that VSAT is one of reliable means of communications employed by several States in the Region to support AFS communication. However, spare parts for critical modules and elements such as redundant channel cards, RF unit should be readily available for replacement to ensure rapid restoration during breakdown. A reliable power supply system was considered as an essential facility to be provided. It was however recognized that for those VSAT stations providing both ATS direct speech and critical AFTN circuits without the provision of an alternate routing between States, an alternative communication link should be provided in order to assure required reliability.   In light of above consideration, the APANPIRG meeting adopted following conclusion:

Conclusion 11/15 - Alternative arrangements for VSAT

That, States consider the provision of an alternative communication links for:

a)   critical AFS communications which are supported by a single VSAT system between States; and

b)   remote control air-ground (RCAG) VHF stations supported by a single VSAT link.

3.   Action by the Meeting

3.1   The meeting is expected to review these Conclusions and requirements specified in the regional Basic Air Navigation Plan and take into account while action items are updated.

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