*International civil aviation organization*

**COM CO-ORDINATION MEETING**
(Afghanistan, Islamic Republic of Iran and Pakistan)

Abu Dhabi, United Arab Emirates, 25 – 26 February 2015

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**Agenda Item 2:**     **Review of AFS communication requirements between Afghanistan/Pakistan, Afghanistan/Iran**

**REQUIREMENTS FOR GROUND/GROUND COMMUNICATIONS BETWEEN STATES**

(Presented by the Secretariat)

| SUMMARY |
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| This paper presents relevant requirements for the ground/ground communications between States concerned for review by this meeting. |

## 1.     INTRODUCTION

1.1          The requirements for the ground/ground communications between States are specified in the Regional Air Navigation Plan – the ASIA/PAC Facilities and Services Implementation Document (FASID) which was issued in early 2006.

1.2          Since then, relevant CNS Tables containing implementation and planning information relating to Aeronautical Fixed Service in the FASID have been regularly reviewed by the contributory bodies of the Asia and Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG).

1.3          Amendments to FASID Tables are subject to formal amendment process according to the established procedure. The working draft version of these tables is available at the ICAO APAC website: http://www.icao.int/APAC/Pages/edocs.aspx

## 2.     DISCUSSION

2.1          Modifications in the areas of responsibility of regional offices are decided on the basis of agreement between the State concerned and the Secretary General. Upon request of Afghanistan which was accommodated within the area of accreditation of ICAO's Middle East Office in Cairo before, it was agreed that from 15 November 2008, the ICAO APAC Office in Bangkok has been accredited to Afghanistan.

2.2          It has been informed that according to development trend of regional air navigation planning process, the FASID would become part of e-ANP and would be processed during 2015 onwards.

2.3        The Table CNS 1A - AFTN Plan, Table CNS 1B – ATN Router plan and Table CNS 1C – AMHS Routing plan.  The Table CNS 1D is for ATS Direct Speech Circuits plan and the AIDC implementation plan is specified in the Table CNS 1E.

2.4        The main AFS requirements between States relevant to this meeting are as follows:

**Requirements for AFS data communication:**

a)        Beijing (ZBBB)/Karachi (OPKC) Circuit type LTT signal speed Protocol and Code; 64 Kbps required for AMHS connection;

b)        Tehran (OIII)/Kabul (via SAT/d) needs to be upgraded to 9600 bps to support AMHS;

c)        (Bahrain/Kabul was listed in Mid. Plan); and

d)        Karachi (OPKC)/Kabul (OAKB) via SAT/d 300 baud non protocol Code IA-5 to need to be upgraded to 64 Kbps AMHS circuit.

**Requirements for AFS ATS direct speech circuits:**

a)        Pakistan

| KARACHI ACC | AHMEDABAD | A | LTF | SW | MUMBAI |
|---|---|---|---|---|---|
| | MUMBAI | A | LTF | DIR | |
| | DELHI | A | LTF | DIR | |
| | KABUL | A | LTF | DIR | |
| | MUSCAT | A | LTF | DIR | |
| | TEHRAN | A | LTF | DIR | |
| **LAHORE ACC** | AMRITSAR | A | LTF | DIR | |
| | DELHI | A | LTF | DIR | |
| | DUSHANBE | A | LTF | DIR | |
| | KABUL | A | LTF | DIR | |
| | URUMQI | A | LTF | DIR | |

b)        Afghanistan

In addition to the requirement above, also has requirement between Kabul and Tehran.

2.5        The meeting is also invited to note that Common Regional VPN project is being initiated by a number of States in the APAC region to overcome interconnection problem between States. The meeting to review initial proposal from States was held in Bangkok from 9 to 12 December 2014.  So far 8 Administrations have signed to join the first stage of the project. If it goes smoothly, the selected service provider is expected to provide VPN service between States starting from end of 2016.  In the near future, States may wish to consider taking the option and sign necessary service agreement with the selected service provider (subject to the successful result achieved from the first Stage of the project) in order to meet the AFS requirements between States mentioned above in this paper.

**3.        ACTION BY THE MEETING**

3.1            The meeting is invited to note the information provided in this paper and to review and discuss implementation related issues for the specific requirements between States.


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