



International Civil Aviation Organization

e-ANP CNS DEVELOPMENT WORKING GROUP (e-ANP)

08 – 10 April 2015, Bangkok, Thailand

Agenda Item 2: Review and update of draft action plan

COMPARISON FOR NEW TEMPLATE WITH CURRENT TABLES

(Presented by the Secretariat)

SUMMARY

This paper presents the comparison for new template with current tables.

Name new: TABLE CNS II-1 - AERONAUTICAL FIXED TELECOMMUNICATIONS NETWORK (AFTN) PLAN

EXPLANATION OF THE TABLE

Old Name: TABLE CNS 1A - AFTN PLAN

Main changes observed:

- 1) table is in MS Word, existing is in Excel which can be working with database of routing directory;
- 2) Existing table has two parts i.e. CURRENT and PLANNED (12 Column) while new template only with planning information/requirement (7 Column) (no indication of implemented or not). This would also Impact the information in the routing directory database (implementation project)
- 3) Also no column like : target date of implementation in the new template;
- 4) There are two notes in the current table normally the information would be reflected in the column of Remark if any (while new table without notes) i.e.

Note 1: Circuit is required for alternate routing and for national routing for international traffic

Note 2: Requirements exist for speech and data (S + DX) communication

Tasks:

- Populated the existing information into the new Template. If there is information in those column of planned part and current part, only information in planned part will be transferred;
- Target date of implementation should be reflected in the Vol. III – create a new Table;
- Create new table in the i-Star for sharing and review; and
- Target date of completion: By July 2015

New Name: TABLE CNS II-2 - REQUIRED ATN INFRASTRUCTURE ROUTING PLAN

(Chapter 1??) EXPLANATION OF THE TABLE

Old Name: TABLE CNS 1B

AERONAUTICAL TELECOMMUNICATION NETWORK (ATN) / INTERNET PROTOCOL SUITE (IPS) ROUTER PLAN

Table CNS 1C AMHS ROUTING PLAN (going to be dropped – disappeared in the new Template)

Main changes observed:

- 1) Merge Column 1 with Column 2 which should be ok. Whether need to be clear “/” is required between Administration and Location of Router Rest is ok;
- 2) Type of interconnection. Difference, the Sub-regional has been removed in the new template.

Inter - Regional - Connection provided with stations in other ICAO regions

Intra - Regional - Connection provided between BBIS stations

Sub - Regional - Connection provided between a BBIS station and a BIS station

In the new template only:

Inter Regional: Connection between different Regions/ domains

Intra Regional: Connection within a Region/ domain.

Perhaps, we need to convert Sub- Regional into same one as Intra - Regional

- 3) **Bandwidth/Link Speed name changed;**
- 4) **IP (IPv4 or IPv6) in the new template if IP is used** while in the old table you would have: “IP-SNDCF” – CLNP over Internet Protocol (IP) (SNDCF - Sub-Network Dependent Convergence Function) or “IPS” - Internet Protocol Suite
- 5) **New in Column 7: i.e. Via: The media used to implement the interconnection of the routers. (in case of IP service bought from a service provider, indicate VPN)**

In the old Table, Target date of implementation if any need to be transferred to a new Table in Vol. III.

Tasks:

- Populate the new template with information in the current Table CNS 1B;
- Drop unnecessary information or convert to other format and whether we should allow other type of information in network protocol (link protocol); and
- Target date of completion is by July 2015.

New Name: TABLE CNS II-3 - ATS DIRECT SPEECH CIRCUITS PLAN

Old name: Table CNS 1D
ATS DIRECT SPEECH CIRCUITS PLAN

Main changes observed:

- 1) In Column 3: in new template dropped: X — indicates that the circuit is required for network operation.
- 2) In Column 4: in new template dropped: TOLL — requirements to be satisfied using TOLL call via public message toll service.
- 3) In Column 5: in new template added: IDD — International direct dialling by public switch telephone network

Note 1.— Number of D and/or S circuits between Terminals I and II are indicated by numerical prefix, i.e. 2 D/S means 2 direct circuits and one switched circuit.

Note 2.— Pending the implementation of proper ATS voice circuits, and provided that aeronautical operational requirements are met, IDD services may be used for the ATS voice communications in low traffic areas

4) *information in Column 7 in the old table needs to be transferred into Vol. III of new e-ANP: Status of Implementation. The following codes are used in this column:*

- I — Required and implemented.
- X — Required but implementation status undetermined.
- N — Required and target date of implementation established.

Tasks:

- populate required information into the new Template on the iStar ;
- Add the number of ATS voice circuits required between two ACCs if any;
- create new Table in Vol. III with basic information from the existing table and in particular in Column 7 of the old table; and
- Target date of complementation: July 2015

Completely New table TABLE CNS II-4 - HF NETWORK DESIGNATORS

EXPLANATION OF THE TABLE

Column

- 1 Name of station, preceded by its location indicator.
- 2 Network designators assigned to the facility providing HF radiotelephony en-route communications (selected from the provisions of the allotment plan in Appendix S27 to the ITU Radio Regulations).

NOTES

The ICAO designators for HF MWARA and VOLMET networks in the **Asia and Pacific** region(s) are derived from the ITU allotment area abbreviations as contained in Appendix S27 to the ITU Radio Regulations.

ITU allotment area:

Two- and three-letter alpha entries indicate major world air route areas (MWARA): **TBD**

Four-letter alpha entries indicate VOLMET areas: **TBD**

Location Indicator and Name of location	HF en-route family
1	2

Existing information available from current Tables:

- 1) *FREQUENCY DESIGNATORS FOR HIGH FREQUENCIES ALLOCATED TO THE AERONAUTICAL MOBILE (R) SERVICE*
- 2) *HF EN-ROUTE RADIOTELEPHONY NETWORKS, MWARA AND VOLMET NETWORKS, AND FREQUENCY ALLOCATIONS*
- 3) *Table ATS 2 - HF RADIOTELEPHONY VOLMET BROADCASTS*
- 4) *In BANP Part IV - Attachment C - HARMFUL INTERFERENCE REPORT FORM. It has been updated by ITU in WRC 2007 – i.e. appendix 10 (Rev. WRC-07) and while BANP has not updated yet.*
