



International Civil Aviation Organization

**THE SEVENTH MEETING OF AERONAUTICAL
TELECOMMUNICATION NETWORK (ATN)
TRANSITION TASK FORCE OF APANPIRG**

Shanghai, China, 18-22 April 2005.



Agenda Item 2: Review ATN Technical Documents

**REPORT ON OPLINKP WG REVIEW OF ASIA/PACIFIC REGIONAL ATN
PERFORMANCE DOCUMENT**

(Prepared and Presented by Japan)

SUMMARY

The Working Paper reports the comments by the OPLINKP RCP experts on the draft APANAPIRG ATN Performance Document.

1. BACKGROUND

1.1 The meeting of ATNTTF/6 in APANPIRG requested to refer the Asia/Pacific Region ATN Performance Document ("RP document" for short in the report) to OPLINK Panel for comment and provide the resulting comments to the next Task Force Meeting.

1.2 Reporter's Note on Background:

The ATNTTF of APANPIRG has been assigned the task to develop the documents as a part of the ATN implementation activities. One of the documents tasked is related to the performance. It was the time right after the ICAO ADSP (currently OPLINKP) completed and the distributed the RCP concept manual.

It was noticed at that time there was a need to develop a guidance document for the regional planning group to introduce the RCP based on the ICAO RCP concept.

The RP document has been developed in such a context.

ICAO ANC has decided to develop the RCP further and the OPLINKP has been tasked to develop the RCP manual which is currently at final stage of development. It is found that the scope of the OPLINKP RCP manual has a substantial overlap with the RP document.

At the OPLINKP WG held in Toulouse, France Sept. 13 through 24 2004, the RP document was presented as:

OPLINKP-WG-WGH-WP/13 Technical Document on ATN Performance

OPLINKP-WG-WGH-WP/12 Appendix to Technical Document on ATN Performance

2. COMMENTS RECEIVED

2.1 Reporter's Note on Review Comments:

The RCP on communication is a part of compound elements to realize the ATM performance. The other elements are ATM, Flight management, Communication, Navigation and Surveillance. Since the RCP manual is under development, it is unrealistic to seek the finalized and complete comments on the RP document.

The OPLINKP RCP experts were asked to make comments on the following questions:

The questions are

1) In general, is the structure and contents of the RP document appropriate?

Comment:

- The OPLINKP RCP starts at the operational aspect of performance.
- The OPLINKP RCP covers the voice as well as data communication, where the data communication may be implemented in the ATN as well as other communication system, for instance, FANS.

The words in the title, 'technical' and 'ATN' may not be appropriate. The RP document can be modified to accommodate others without restricting to the ATN and technical aspect.

2) Does the RP document reflect properly the work of which the OPLINKP WG is responsible?

Comment:

OPLINKP WG is currently working on the RCP manual as guidance materials on the subject (deadline Feb 2005) and the RCP manual is enhanced substantially at the OPLINKP WG Toulouse meeting in Sept., 2004.

It may be premature to make comments until full operational requirements are established. Even if the OPLINKP RCP work is not completed, it is helpful to distribute the draft to the regional group for preparation, since it will take time to study and plan for performance.

Comment:

There may be some wording changes in the RCP manual; e.g. RCTP may not be considered, compliance target instead.(see, for instance, OPLINKP-WP/24, Toulouse, 2004)

Reporter's Note on Review Comments for Question 2:

Although it is helpful to refer the ICAO RCP materials, it is desirable to avoid the duplications in the regional documents of the materials.

It will be helpful to have a session on Performance, for instance, at an Asia/Pacific ATN seminar, to invite the OPLINKP RCP expert as speakers.

3) Does the RP document describe the materials necessarily/sufficiently of which the Regional Group is responsible?

Comment:

The differences of Performance Parameters between ATN CAMAL and OPLINKP RCP manual exist.

It should be noted that the definitions of the following parameters in two documents are different

- Integrity(WP/12-1.21.5)
- Continuity(WP/12-2.2.9)

The differences should be noted and be used to evaluate data for sound engineering judgments.

There are parameters in the ATN CAMAL which are not explicitly identified by the OPLINKP RCP manual;

- Connection establishing delay(WP/12 -2.2.24)
- Clock sync (WP/12- 2.23)

The end-to-end engineering evaluation (WP/12-1.21.5) can be emphasized also within the main body of the document.

3. SUMMARY OF REPORT

3.1 The effort to develop the Regional Performance document is considered useful, because the Asia/Pacific region will be able to prepare the future activities for performance.

3.2 The Regional Performance document has to be aligned to the finalized materials of the OPLINKP RCP manual, which will be available in February 2005.

3.3 Although the OPLINKP RCP manual is taking shape, it is premature to seek the complete form of the Regional Performance document aligned to the OPLINKP RCP manual.

3.4 The portions of the Regional Performance document where the duplications are detected should be deleted, while the emphases are to be focused toward the areas where the regional group is responsible.

4. RECOMMENDATION

4.1 The meeting is invited to review the report.
