



ATNP/WG3/WP 17-11

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AERONAUTICAL TELECOMMUNICATION NETWORK PANEL

WORKING GROUP 3 (APPLICATIONS AND UPPER LAYERS)

Gran Canaria, Spain, 28 September - 1 October 1999

Agenda Item 12: Actions/papers for the Working Group of the Whole and ATNP/3 Meetings

ATNP Work Beyond ATNP/3

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SUMMARY

This paper states the view that the work to develop ATN Standards, Recommended Practices and Guidance Material will need to continue after the third ATN Panel Meeting.

1. BACKGROUND

The ICAO secretary of ATNP issued a memorandum to all Panel members, in which Members were requested to examine the subject of future work (both for the ATNP and the ATN community) and bring their findings, ideas and proposals for discussion at the Working Group meetings during 1999, with the objective of having clear proposals on the subject ready at ATNP/3. The memorandum was also presented at the sixteenth meeting of Working Group 3 in Naples, May 1999, as WP 16-38. This paper is the response from one ATNP participant.

2. FUTURE WORK OF ATNP

The continued existence of the ATNP after the third Panel meeting is supported, though some rationalisation of its Working Group and Sub-group structure would be favoured.

There are some essential areas related to ATN which still need to be developed as Standards and Recommended practices within the framework of the existing ATN Panel.

The position expressed by ATNP Working Group 3 is fully supported, namely that the work beyond ATNP/3, related to the overall Work Programme of WG3, should encompass:

- a) Maintenance, management and updating of SARPs.
- b) Development of SARPs for new ATS applications, as they are defined by ADSP.
- c) Application of new techniques.
- d) Upgrading Guidance Material.
- e) Maintenance of interoperability and backward compatibility.
- f) Acceptance of AOC applications.
- g) Provision of ATN related expertise.

Additionally it is recommended that new items should be added to the Work Programme to include:

- h) Extensions to the UL architecture where required to support new applications or improve efficiency.
- i) Development of SARPs and Guidance Material for new ATN Support (or "technical") Applications, as yet to be determined, to improve the overall operational efficiency of the ATN (e.g. Directory-based Context Management, SM utilities).
- j) Security - further developments based on operational experience of the initial provisions and ongoing threat analysis.
- k) Directory - further developments based on operational experience of the initial provisions and refinement of concepts.
- l) Systems Management - further developments based on operational experience of the initial provisions and refinement of concepts, and additional management functions.
- m) Preparation of ICAO communication standardisation to object oriented techniques.

The prime reason for the existence of the ATN Panel is to provide the supporting SARPs for ATN applications to satisfy the Operational Requirements developed by the ADS Panel. As long as the ADS Panel continues to exist, and to produce and modify Operational Requirements, then the ATN Panel must continue as well, based on a Work Programme as indicated above.