

**ATNP WG2
18-21 May 1999 (**
Naples, Italy
Agenda Item 5

WG2 Inputs to ATNP/3

Presented by R. Jones

Summary

ATNP WG2 is expected to provide a number of inputs to the upcoming third meeting of the ATN Panel (ATNP/3), tentatively scheduled for February 2000. This working paper proposes the documents that are to be submitted to ATNP/3.

1. INTRODUCTION

ATNP WG2 is expected to provide a number of inputs to the upcoming third meeting of the ATN Panel (ATNP/3), tentatively scheduled for February 2000. This working paper proposes the documents that are to be submitted to ATNP/3.

2. BACKGROUND

ATNP/2 tasked Working Group 2 to conduct the following activities:

- a) enhancements to the ATN SARPs and guidance material based on new or revised user requirements;
- b) enhancements to SARPs and guidance material based on operational experience;
- c) provision of security mechanisms with the ATN internet communications service consistent with the security strategy and mechanisms defined by ATNP Working Group 1;
- d) provision of subnetwork dependent convergence functions (SNDCFs) with the ATN SARPs for additional subnetwork types (e.g., asynchronous transfer mode, frame relay, VDL Mode 3 / 4, HF data link, etc.);

- e) investigation of the provision of quality of service (QOS) management functions service;
- f) provision of systems management capabilities within the ATN internet communications service consistent with the system management strategy and mechanisms defined by ATNP Working Group 1;
- g) definition of financial accounting mechanisms including the identification of network cost parameters;
- h) investigation of the provision of multicast/broadcast functions in the ATN;
- i) investigation of the provision of network and transport layer fast byte protocol (ISO draft international standard (DIS) 14699 and ISO DIS 14700);
- j) investigation of the provision of broadband transport;
- k) investigation of the provision of data/voice service integration;
- l) investigation of the provision of air-to-air communications;
- m) ensuring backwards compatibility of SARPs enhancements with existing ATN SARPs; and
- n) investigation of the provisions of ATN subset(s) consistent with constrained network topologies (e.g., single mobile subnetwork, single airborne end system, full ground connectivity, etc.).

Pursuant to the above tasking of ATNP/2, WG2 must be able to report to ATNP/3 for each of the above items either:

- Significant progress has been made by WG2 and specific proposals are being reported to ATNP/3.
- WG2 recommends the item not be pursued any further and it be eliminated from the WG2 work programme. Such a recommendation will require a justification on an item by item basis.
- While some progress may have been made, significant additional development work will be required to progress the item before a definitive proposal can be made to a future panel meeting.

3. RECOMMENDATION

- a) It is proposed that WG2 review the WG2 work programme (above) and identify the status we will report for each item to ATNP/3.
- b) It is proposed that WG2 review and approve the following list of documents for submission to ATNP/3 as well as the proposed schedule for the final working group review of the draft of each document.
- c) It is proposed that WG2 identify a WG2 member, or a group of WG2 members, that will serve as editor(s), or otherwise be responsible for each document.

No.	Description of Needed Input	Schedule for Final Document	Lead to Draft Input
1	Draft Package-2 Sub-Volume V	19 th WG2 meeting, Oct. 1999	<i>tbd</i>
2	Working Paper on Multicast Architecture	19 th WG2 meeting, Oct. 1999	J. Moulton
3	Rapporteur's report on WG2 progress	19 th WG2 meeting, Oct. 1999	R. Jones
4	Validation Report for ICS enhancements	WGW meeting, Dec. 1999	<i>tbd</i>
5	Proposed WG2 Work Programme for ATNP/4	19 th WG2 meeting, Oct. 1999	<i>tbd</i>
6	Proposed Enhancements to the ICS guidance material (i.e., CAMAL)	WGW meeting, Dec. 1999	<i>tbd</i>
7	Proposed Corrections to the draft Package-2 Sub-Volume V (Oct 1999 version) based on validation results	WGW meeting, Dec. 1999	<i>tbd</i>
8	Summary of ICS backwards compatibility provisions with the current ATN SARPs and Doc 9705 (first edition)	WGW meeting, Dec. 1999	<i>tbd</i>