

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

ATN Internet Working Group (WG2)

3rd Meeting

Toulouse, France, March 13th - 17th 1995

Proposed Objectives, Agenda & Planning

(Presented By Akhil Sharma)

Summary

This paper proposes the objectives to be achieved by the WG in its third meeting. The paper also proposes the draft agenda and schedule to be followed based on the known Working Papers that will be presented. The paper also reproduces the actions/deliverables agreed at the first two meetings of the WG.

1. Proposed Objectives

- To review and agree changes to WG2 Work Plan
- To review progress on WG2 Deliverables/Actions Assigned
- To review and endorse CCB recommendations
- To review and agree CNS/ATM-1 Internet Operational Requirements
- To review and agree on the internet guidance & requirements for CNS/ATM-1 Package
- To review and agree on the System Management guidance & requirements for CNS/ATM-1 Package (WG2-25)
- To document network performance/stability issues that require a high level definition of Operational Requirements (Ref. WG1/1 Report, para 6.1)
- To review and agree comments on VDL assumptions (ATNP/1-WP/59) (WG2-24)
- To review CNS/ATM-1 Systems Management Concept (WG1 Deliverable WG1-07)
- To review CNS/ATM-1 QoS/Security Concept (WG1 Deliverable WG1-10)
- To review and resolve any issues brought to the attention of the WG by the Panel Secretary.

2. Proposed Agenda

	WPs
0. Meeting Organisational Issues - arrangements for joint WG2/3 p.m. session	
1. Approval of Agenda and Objectives - Report of Melbourne WG2 Meeting	73
2. Report on Progress on WG2 Deliverables/Actions	98
3. Review of WG 2 Work Plan	74
4. Review of CCB Recommendations	99
5. Development of Internet SARPs and Guidance Material for CNS/ATM-1 Package	100, 75
5.1 CNS/ATM-1 Internet Operational Requirements	77, 89,87,80
5.2 Use of IDRP over the air-ground link for CNS\ATM-1	93, 89, 96
5.3 CNSVATM-1 Internet Profile Requirements Lists (PRLs)	95, 96, 90, 94
5.4 Draft Validation Record Configuration Items (VRCIs)-	76,79, 78, 85, 86,97
5.5 Draft WG1 CNSVATM-1 QoS, Security & Addressing Deliverables	81, 82, 84
6. Development of SARPs and Guidance Material for CNS/ATM-1 Package Systems Management	83, 92
7. Review Progress on ATN Validation Activities	88
8. Co-ordination with other bodies	
9. Any Other Business	
10. Conclusions and Action List	

3. Proposed Schedule

	Monday 13th		Tuesday 14th		Wednesday 15th		Thursday 16th		Friday 17th	
	Ag. Item	WP	Ag. Item	WP	Ag. Item	WP	Ag. Item	WP	Ag. Item	WP
a.m.	0	73	5	100	5.2	96	5.4	76	6	83
	1	98	5.1	75	5.3	95		79		92
	3	74		77				89		
a.m.	4	99	5.1	87	5.3	95	5.4	85	7	88
				80				86		
				97						
p.m.	Joint WG2/3 Session	-	5.2	93	5.3	96	5.5	81	8	
				89				82	9	
p.m.	Joint WG2/3 Session	-	5.2	96	5.3	90	5.5	84	10	
						94				

4. List of Working Papers

No.	Title	Presented By	Agenda Item	WP / IP
73	Objectives, Agenda and Schedule	A. Sharma	1	WP
74	WG2 Work Plan	A. Sharma	3	WP
75	Request from the NATSPG	A. Sharma	5	WP
76*	ATN SARPs & Guidance Material - Draft Version 1.1 -	JM Crenais	5.4	WP
77*	U.S. Operational Requirements for ATN in CNS/ATM-1	USA	5.1	WP
78*	Draft Defect Reports and Change Proposals Related to ATN Addressing	A Herber	5.4	WP
79*	Additional Guidance Material Related to ATN Network Layer and Transport Layer Addressing (Action WG2-12)	A Herber	5.4	WP
80*	Operational Requirements Related to ATN Network Layer and Transport Layer Addressing	A Herber	5.1	WP
81	Quality of Service Concept for CNS\ATM-1 Package (WG1-10a)	H Hof	5.5	WP
82	Security Concept for CNS\ATM-1 Package (WG1-10b)	H Hof	5.5	WP
83	Systems Management Concept for CNS\ATM-1 Package (WG1-07)	H Hof	6	WP
84	ATN Addressing Concept for CNS\ATM-1 Package	H Hof	5.5	IP
85*	Change Proposal Material related to ATN TSAP handling (2/34)	JP Briand	5.4	WP
86*	Defect Report and Change Proposal Material related to ES-IS requirements (2/32)	JP Briand	5.4	WP
87	ATN Internet User Requirements Document	H Hof	5.1	WP
88	European ATN Validation Project Plan	H Hof	7	IP
89*	Package 1 Requirements and Options Evaluation	W Link/K Crocker	5.1 5.2	WP
90	Congestion Avoidance in Package 1	USA	5.3	WP
91	Not allocated			
92	ATN Systems Management Guidance Material	H Thulin	6	WP
93*	IDRP in the Airborne Router	F Mabe	5.2	WP
94*	Discussion of Different Network Diagnostic Methods	R Jones	5.3	WP
95*	Proposed ATN Protocol Requirements Lists (PRLs) for CNS\ATM-1 Package	F Colliver	5.3	WP
96*	Proposed Profile for IDRP over an Air-Ground Link	H Hof	5.2 5.3	WP
97*	Draft Defect Reports related to ATN QoS Management	A Herber	5.4	WP
98	Report of the WG2 Task Force 2 Activities	F Colliver	2	WP
99	ATNP Validation Archive Configuration Management Procedures	F Colliver	4	WP
100*	The Airlines Need for an Early Definition of the CNS/ATM-1 Package	K v den Boogaard	5	WP

5. List of Interim Deliverables Agreed at ATNP WG2 - San Diego Meeting

Ref	Deliverable	Comp.	Pri	Dep.	Status
WG2-1	Finalise Draft WG2 Work Plan UK	30/11/94	1	NIL	Ready for Review (WP52)
WG2-2	Develop CNS/ATM-1 Internet Package Definition (comprising PRL & definition of mechanisms to support optional non-use of IDRPs) and, where necessary, Defect Reports and supporting draft Change Proposals required to support Package 1. FRANCE*/UK/US/SITA/EUROCONTROL	31/12/94	1	WG2-8	Report of first meeting of Task Force available at this meeting (WP64), but no draft deliverable.
WG2-3	Respond to proposals regarding optional non-use of IDRPs for CNS/ATM-1 Package US	24/11/94	1	NIL	WP71 provides US response
WG2-4	Develop Network Operating Concept EUROCONTROL*/GERMANY/SITA/France/USA/UK	28/2/95	2		Outline available as WP57.
WG2-5	Develop ATN SARPs Validation Strategy	30/11/94	2	NIL	Completed at first meeting
WG2-6	CCB Terms of Reference	28/10/94	WG 2/1	N/A	Completed at first meeting
WG2-7	Enhance ATN Requirements Database EUROCONTROL	31/12/94	2	WG2-5	Work in progress (WP58)
WG2-8	Review and agree ATN User Requirements, submit Defect Reports and supporting draft Change Proposals EUROCONTROL*/GERMANY/JAPAN/US/UK	31/12/94	2	NIL	Not yet started
WG2-9	Agree, if necessary, changes to ATNP WG2 Terms of Reference for endorsement by WG of Whole meeting in March '95	28/10/94	WG 2/1	N/A	Completed
WG2-10	CCB Resolution on submitted Defect Reports and supporting CCB approved Change Proposals CCB	15/1/95	1	WG2-11 to WG2-22 WG2-1 WG2-2 WG2-5	Completed
WG2-11	Review ATN Routing Concept (WG2/WP-31) and, if appropriate, develop Defect Report for CCB Review EUROCONTROL*/US	28/2/95	2	12	For discussion at this meeting.
WG2-12	Develop additional guidance material related to ATN addressing for submission to CCB as a defect report(s) and supporting draft Change Proposals GERMANY*/US/France/EUROCONTROL	28/2/95	2	11	In progress
WG2-13	Review, modify and enhance, where appropriate, operational requirements proposed with respect to ATN addressing, develop (if appropriate) Defect Reports and supporting draft Change Proposals for submission to CCB EUROCONTROL*/GERMANY	28/2/95	2	NIL	In progress, draft operational requirements attached to WP69 Closed at this meeting, result to be incorporated in WG2-8.
WG2-14	Review QoS related ATN SARPs and Guidance Material and develop Defect Reports and supporting draft Change Proposals, where appropriate GERMANY*/EUROCONTROL	28/2/95	2	NIL	In progress
WG2-15	Develop Defect Reports and supporting draft Change Proposals for alignment with ICAO ATN Manual, 2nd Edition text. US	31/12/94	1	NIL	In CCB process
WG2-16	Develop Defect Reports and draft Change Proposals to counter those Change Proposals produced in WG2-15 that are not considered relevant for draft SARPs US	31/12/94	1	WG2-15	Ongoing
WG2-17	Develop Defect Reports and supporting draft Change Proposals for resolution of 'unresolved defects from SICASP/V'. EUROCONTROL	31/12/94	2	NIL	Done and reviewed at CCB
WG2-18	Develop Defect Reports and supporting draft Change Proposals relevant to the proposed Mobile SNDCF PICS Proforma EUROCONTROL.	31/12/94	2	NIL	Outstanding and for discussion under Agenda 5. WG2-2 will incorporate.
WG2-19	Develop Defect Reports and supporting draft Change Proposals identified in WG2/WP-22 EUROCONTROL	31/12/94	2	NIL	Done and reviewed at CCB
WG2-20	Develop Defect Reports and supporting draft Change Proposals identified in WG2/WP-34 FRANCE.	30/11/94	2	NIL	Done and reviewed at CCB
WG2-21	Develop Defect Reports and supporting draft Change Proposals identified in WG2/WP-46 GERMANY	31/12/94	2	NIL	Done and reviewed at CCB
WG2-22	Develop Defect Reports and supporting draft Change Proposals identified in WG/WP-7.	31/12/94	2	NIL	In CCB Process

	US				
WG2-23	Create Version 1.0 of Draft SARPs & Guidance Material and Version 1.0 of ATN Requirements Database CCB	15/1/95	1	WG2-15	In progress following CCB. Planned completion date 10/2/95
WG2-24	Create a checklist of ATN Subnetwork Requirements and review and comment on draft VDL SARPs. SITA*/ US	March 1995	2	NIL	In progress
WG2-25	Systems Management draft SARPs and Guidance Material for CNS/ATM-1 Package (Initial) SITA*/US/France/Japan/Eurocontrol	31/12/94	1	WG2-2	Draft available as WP53

6. List of Interim Deliverables Agreed at ATNP WG2 - Melbourne Meeting

Ref	State/ Organisation	Action	Date
Action 2/26	UK	To update the WG2 Work Plan to reflect WG2-x deliverables	3/3/95
Action 2/27	US	Prepare Defect Report indicating use of CLNP Partial Route Recording and the Benefits of CLNP Echo Request/Response Functions	3/3/95
Action 2/28	US	To update CCB Procedures to include new Figure on CCB Procedures	3/3/95
Action 2/29	France	Make Source Code of Unix Utilities available on CENA Server	3/3/95
Action 2/30	Eurocontrol	Prepare Defect Report Prepare Defect Report on lack of TL SARPs for handling the Security Type	3/3/95
Action 2/31	ALL	Make Proposals on Congestion Management.	3/3/95
Action 2/32	Eurocontrol	Submit DR scoping ES-IS defects and propose changes	3/3/95
Action 2/33	Chairman	Seek Guidance from the ICAO Secretariat on whether intra-domain material should be recommendations or Guidance	10/2/95
Action 2/34	Eurocontrol	Generate CP based on discussion of DR23	3/3/95
Action 2/35	Eurocontrol	Generate CP to delete the text in A5-4 identified by DR40	3/3/95
Action 2/36	Eurocontrol	Generate DR Generate DR identifying lack of specification to avoid "Black Holes" when routing in support of General Communications.	3/3/95
Action 2/37	CCB Chair /VACM	To derive procedures and Configuration Management Document from WP66	7/2/95
Action 2/38	CCB Chair	To send out the CCB Decision Message(s) following the ad hoc WG2 meeting	6/2/95
Action 2/39	CCB Chair and VACM	To begin coordination to automate VRCI Update Process	
Action 2/40	Eurocontrol	Update the Database to reflect Version 1.0 SARPs alignment.	10/2/95
Action 2/41	France	Produce soft version 1.0 SARPs to reflect DR95010001.	10/2/95
Action 2/42	France	Produce the Change Proposal corresponding to DR95010001	10/2/95

Action 2/43	CCB Chair	Produce notification on atn-internet-technical list explaining VRCI list scope and use including the fact that DRs and CPs will no longer be sent to the atn	7/2/95
Action 2/44	US	To evaluate DR 95010048 within the two week period from submission with respect to the pending status.	30/1/95
Action 2/45	France	Create the VRCI Mailing List and Subscribe CCB Members	3/2/95

Ref	State/ Organisation	Action	Date
Action 2/46	US	Generate Defect Report to initiate the production of the draft CNS/ATM-1 Package SARPs from the ATN Manual Material	3/3/95
Action 2/47	ALL	Review WP68 and comment	3/3/95
action 2/48	Eurocontrol	Submit Defect Report and draft Change Proposal contained in WP30 to the CCB.	3/2/95
Action 2/49	ALL	Be prepared to resolve this Defect Report at the March Meeting	17/3/95
Action 2/50	US	Prepare presentation on the CCB Process for March Meeting.	17/3/95
Action 2/51	Eurocontrol	Prepare presentation on the ATN Requirements Database for the March Meeting.	17/3/95
Action 2/52	UK	Prepare presentation on the Validation Strategy for the March Meeting.	17/3/95
Action 2/53	Eurocontrol	Provide existing PRL Tables to Mr Colliver	3/2/95
Action 2/54	UK/France	To make available Appendix B to the UK/France ADS trials Common Technical Specification to WG2	3/2/95
Action 2/55	ALL	Review and comment on ISO 8208 PRLs in WP37 and Appendix B to the UK/France ADS trials Common Technical Specification.	
Action 2/56	Eurocontrol	Prepare a presentation on the Network Operataing Concept for Presentation to the Working Group of the Whole	17/3/95
Action 2/57	Eurocontrol	Bring Flimsy #2 to the attention of the appropriate WG1 Task Force	3/2/95
Action 2/58	Germany	Ensure that impact of any Defect Reports raised on priority and QoS that affect WG2-14 is reported to the CCB	.3/2/95
Action 2/59	US	To provide results of Congestion Management Validation Activities	3/3/95
Action 2/60	UK	Initiate Liaison with the NATSPG	3/3/95
Action 2/61	ALL	Inform ISO National Member Bodies of the continuing development of the ATN and the protocols used.	n/a
Action 2/62	UK	Present proposals on WG2 liaison with WG1 and WG3 to the Working Group of the Whole	3/3/95
Action 2/63	ALL	To provide comments on Work Plan to Mr Sharma	24/2/95