Final Draft

AERONAUTICAL TELECOMMUNICATION NETWORK PANEL (ATNP)
Working Group 3 -- Applications and Upper Layers
Seventh Meeting
June 1996

Munich, Germany

1. Administrative Items and Approval of the Agenda

1.1 Administrative announcements

Andreas Herber welcomed the group, and discussed arrangements for meeting support. He indicated that DFS had provided a support room with PC, photocopy, and fax services.

1.2 Discuss arrangements for eighth WG3 meeting (October 1996 in the United States)

Mr. Jones introduced WP7-38, the announcement for the October 1996 ATNP Working Group meetings in Alexandria, Virginia, USA.

1.3 Review schedule for ATNP/2 and eighth WG3 meeting

ATNP/2 will be held as planned 4-15 November 1996. A Working Group of the Whole (WGOW) is recommended in February/March 1997 to review the validation results and approve, with any needed changes to correct defects, those areas of the SARPs not previously approved at ATNP/2. The SARPs are to be translated, and go out for State comment, in April-May 1997.

Mr. Jones entered Flimsy 7-1 as List of Needed WG3 Products for ATNP/2. He proposed the use of several Standing Documents to carry ongoing work to ATNP/3. The validation report will show SARPs areas that are not validated by ATNP/2. The report will be updated for the WGOW.

1.4 Review Agenda

Mr. Jones introduced the agenda. He noted that both of the previous meetings had ended under pressure, and thus he had allowed for the meeting to extend into Saturday. Mr. Jones also requested that any volatile issues be addressed off line.

2. Review and Approve Report of the sixth meeting (Brussels) of WG3

2.1 Review issues and action items from previous WG3 meeting

The Action Items from the report of the sixth meeting of WG3 were reviewed. The resolution of each action item was subsequently discussed under the related agenda item.

3. Review inputs received from other ATNP working groups and other ICAO bodies

3.1 Review inputs received from the panel Secretary

Masoud Paydar attended the WG3 meeting on the first day (Monday). He indicated that the recent restructuring of Annex 10 into five volumes, and the prospective bulk of the ATNP material, had occasioned a restructuring of the ATNP SARPs material into two parts. The first part is the actual Annex 10, volume 3, part 1, chapter 3 -- ATN. This is expected to be about 50 pages (maximum), and gives ATN an introduction which confers legal status. The 1000 pages of detailed ATN SARPs are then an appendix to this material.

3.2 Review inputs from other ICAO bodies

Tom Calow, Rapporteur of ATNP/WG1 offered an overview of WG1 activities. Deliverables on Naming and Addressing and ATN Lexicon have been completed. Deliverables on Annex 10, Volume 3, Part 1, Chapter 3 and Sub-Volume 1 (System Requirements) are in work. Flimsy 4 depicted the location of the ATN SARPs within the new structure of Annex 10. There will an extraordinary meeting of WG1 29 July through 2 August 1996 in Halifax, Nova Scotia, Canada to progress both Part 1 and Sub-Volume 1 of the ATN SARPs.

The draft Part 1 and draft Sub-Volume 1 of the ATN SARPs were distributed as Flimsy 3 and Flimsy 7 respectively.

4. Ground Application SARPs

4.1 Report from SG1

M. Jena-Yves Piram gave the SG1 report. SG1 did not have a meeting in the Brussels-Munich timeframe, although all SG1 SARPs comment resolutions were coordinated by email. MHS SARPs are complete, except for minor issues that were answered during the Munich WG3 meeting. The MHS GM had been enhanced since the Brussels meeting. The MHS validation plan initial draft is also available at this meeting. The Pass-through service (i.e., Type A) SARPs took 70 comments on the Brussels version. The great majority of comments were editorial in nature. The ICC SARPs are under editorial review, especially the Control Function (CF), the ASN.1, and the state tables. A new version was to be provided later in the meeting. SG1 was seeking a meeting between the ADSP and the ICC drafting group before mid-September 1996 to clarify certain points.

4.2 Review of draft Ground Application SARPs material

4.2.1 Review of draft AMHS SARPs

M. Jean-Marc Vacher briefed WP7-13, the 2.0p Draft AMHS SARPs. M. Vacher noted the WP7-34, Comments on SARPs. There were on the order of 20 comments on version 2.0p by experts from the USA, Eurocontrol, SITA, and Germany.

The same document included the matrix for the 70 comments against the Pass-through service (i.e., Type A) discussion. M. Vacher then briefed the detailed changes. Definitions have been aligned with the Sub-Volume 1 usage. The major comment incorporated in the AMHS SARPs is the deletion of the logging requirements except for those absolutely required for message tracing.

Mr. Paydar revisited the group and outlined matters of ICAO documentation. WG3 agreed that making the first note of an introduction into text and then following it with the remaining notes is acceptable. WG3 then revised the AMHS SARPs introduction. A drafting group was formed to study issues of definition placement.

The conclusion of the ad hoc session was to delete generic terms (content, envelope). To use standard terminology for terms such as message recipient. The terms direct-user and indirect-user were modified by ATN and AFTN respectively. No terms were promoted to Sub-Volume 1.

M. Vacher presented Flimsy 7-6, the result of the AMHS editorial ad hocs. WG3 accepted the proposed text.

M. Vacher presented revisions to WP7-13 (renamed WP7-13A), the draft MHS SARPs. He reported that the changes agreed to by WG3 in its earlier review had been incorporated. The use of the MHS acronym was questioned. The term was changed so that the term ATSMHS is used for the ATS Messaging Handling Services which covers the scope of the entire application. A needed revision to the text was identified to handle an abort on the Pass-Through service.

The ATSMHS SARPs was approved as draft version 2.0 and will be submitted to ICAO for consideration at ATNP/2.

4.2.2 Review of draft AIDC (ICC) SARPs

Mr. LeClerc provided an overview of the changes that were made to the AIDC draft SARPs since the WG3 meeting in Brussels. He noted that there were some outstanding issues that needed to be resolved during the course of the WG3 meeting. The meeting deferred review of the draft AIDC SARPs until an updated version was available later in the meeting.

Mr. Leclerc subsequently introduced WP7-11, the draft ICC SARPs (proposed version 2.0). The first baseline version (version 1.0) had resulted from the Brussels meeting of WG3 in April 1996. Mr. Leclerc reviewed the changes since version 1.0. He reported that chapters 1 through 5 have been stable since version 1.0. It was noted that there had been a few minor changes however. A point was raised that the introduction needed to be revised to conform to the guidelines that introduction sections should contain no "shall" statements nor recommendations. Also paragraphs with only notes are to be avoided. He noted that the state tables in chapter 6 has been corrected and the ASN.1 in chapter 7 has also been corrected.

Mr. Pearce lead the group through a more detailed review of the SARPs. The "Introduction" section is to be restructured to include introduction text as well as a numbered sub-paragraph titled "General." The recommendation will be moved to the General paragraph. In the General Requirements section the reference to version 1 of the SARPs was deleted. However the specification of version 1 of the AIDC-AE was considered a valid requirement.

ACTION: Mr. Pearce will issue an ATNP/2 WP proposing specific values for the timers in AIDC draft SARPs, Table 3.2.6-1 to replace the TBDs.

WG3 then reviewed the ASN.1 specification and state machine material. Two minor corrections were made to the ASN.1 specification. The RER will be set to 'low' with a reference added to the UL SARPs.

ACTION: Mr. Kraft to review Sub-Volume 1 integrity requirement vs. Sub-Volume 4 reference to Sub -Volume 1 for RER to see if additional text or a note needs to be added.

Chapter 9, AIDC-User Requirements, was reviewed, and it was concluded that an additional requirement on consistent use of the P1 predicate was needed for states to achieve interoperability . Also the text on error processing requirement needed to be reworded or moved since, as stated, it was not placing a requirement on the AIDC users.

In chapter 10, it was noted that a "shall" statement is needed to introduce the primitive sequencing table.

4.3 Review status of Ground Application Guidance Material

Mr. Vacher presented WP7-14, the draft ATSMHS guidance material. The material currently addresses only the ATS message service (AMHS) and the guidance material for the pass-through service has not yet been developed. The draft GM tracks the draft ATSMHS SARPs at the chapter level. There was a discussion on the use of the optional extensions allowed for in the ISPs . The ISPs define functional groups (i.e., valid subsets). The ATNP work program for Package-1 should include an item to consider mandating additional functional groups for such items as adding security features.

4.4 Review ATNP/2 working papers introducing MHS and ICC SARPs

The working group reviewed WP7-16 providing a draft of a working paper from WG3 to ATNP/2 providing an overview of the ATSMHS SARPs. It was decided that mention of the SG members and contributors would be deleted. The format of the WP needs to conform to the standard format for papers submitted to ICAO panels (i.e., Introduction, Discussion, Conclusions/Recommendations). The material showing tracability to system-level requirements needed to be reorganized to briefly state the system level requirement then indicate how the MHS SARPs is addressing the system level requirements

Mr. Vacher subsequently presented WP7-16A, the updated draft working paper providing the overview of the ATSMHS SARPs to ATNP/2. It was noted that term MHS needs to be changed to ATSMHS. The WP format had been updated to be consistent with that described in Flimsy 8. Text will be revised to indicate the additional functions provided by the ATS Message Service not available over AFTN. M. Vacher was to provide a update of this WP to the Rapporteur in advance of the Joint Working Group in Halifax, Canada, 2 August. (Rapporteur's Note: This was done).

Since the WP7-15 providing a draft of a working paper from WG3 to ATNP/2 providing an overview of the ICC (AIDC) SARPs was identically formatted and of the same scope as that proposed in WP7-16 for MHS, the same general comments apply. The WP was updated and presented as WG7-15A. The revised version was put into the format described in Flimsy 8. There were minor comments on WP7-15A. Mr. Leclerc was to provide a update of this WP to the Rapporteur in advance of the Joint Working Group in Halifax, Canada , 2 August. (Rapporteur's Note: This was done).

4.5 Review plans for Ground Application documentation for CNS/ATM-2 Package

Some material applicable to Package-2 in the area of AMHS extended services exists. In the areas of ICC and other ground applications, the ADSP may provide operational requirements for other applications such as flight planning, traffic flow management, etc.

ACTION: Mr. Asbury will bring in the work program resulting from ADSP/4 to the WG3 meeting in October 1996 in Alexandria. This will be used as the basis for WG3 to prepare a WP to ATNP/2 proposing work program items to align with the activities of ADSP.

5. ATN Upper Layer SARPs

5.1 Report from SG3

Mr. Van Tree, chairman of SG3, presented WP7-4 the report of SG3. It was reported that SG3 had one meeting since the previous WG3 meeting. The sub-group addressed a number of reported defects. There was one addition to the control function state machine (to trap the returned abort in the NULL state). A proposed draft 4.0 upper layer SARPs was produced by the subgroup and was presented to WG3 for review. Minor upgrades were made to the upper layers guidance material. The upper layer validation plan was updated to track the update to the draft SARPs. The paper proposing material for package-2 had been upgraded to address a connectionless mode upper layer architecture. Mr. Van Trees also reported on coordination of SG3 members with ISO and ITU-T on upper layer efficiency enhancements. He noted that all of the upper layers international base standards work will transition from ISO over to solely ITU-T after March 1997.

Mr. Van Trees presented WP7-41 that providing a listing of available ISO upper layer standard documents supported by the ATN.

5.2 Review of draft ULA SARPs material

Mr. Van Trees presented WP7-5, version 4.0 (proposed) for the ATN upper layer SARPs and WP7-9 together. WP7-9 provides a summary of change requests and defect reports for the ATN upper starting with version 1.0 of the upper layer SARPs through the proposed version 4.0. He reviewed the changes to progress from version 3.0 (as approved by WG3 in Brussels in April 1996) to the proposed version 4.0 (WP7-5). The 28 changes generally fell into three categories: changes needed to align with the latest ISO base standards; correction of specific technical defects in the SARPs; and editorial corrections. A number of the technical defects were identified as the result of implementation activities in support of SARPs validation. Examples of such changes were to achieve octet alignment of the facility designator and incorrect constraints in ASN.1 definition of Presentation-context-identifier to correct for a defect in the ISO base standard text.

A number of needed editorial changes were identified by the working group to align with the format and use of terms within the SARPs. For example internal reference should be to “this document” or to a specific paragraph number and not to “these SARPs” Also references to “sub-volume” should be deleted. It was also noted that some paragraphs contain multiple “shall” statements. Ideally only a single “shall” be used per numbered paragraph. The most significant editorial issue was associated with chapter 4.2 “Dialog Service Description”. This material contained many paragraphs with neither a “shall” or “should” statement. As such, this material could only be presented as notes. An off-line editorial meeting was held to address the issues related this as well as other editorial issues that could not be simply corrected.

5.3 Review status of draft ULA Guidance Material

Mr. Van Trees presented the upper layers guidance material, WP7-6. He noted that by changing from the ITU-T to the ISO reference for the upper layer efficiency enhancements the need to carry the defect reports against the ITU-T standard has been eliminated and has thus been removed from the guidance material. It was noted that the GM would need to be progressed before being ready to propose as Annex 10 green paper material.

5.4 Review ATNP/2 working paper introducing ULA SARPs

Mr. Van Trees presented WP7-7 providing a proposed working paper to ATNP/2 summarizing the upper layer communication services SARPs. The need to modify the material to conform to the standard working paper format was identified. There were also editorial comments such as the need to add the MHS pass-through service as one of the applications using the upper layer services. Mr. Van Trees agreed to update the working paper to account for the comments. An updated version was reviewed later in the meeting. Minor comments were received and Mr. Van Trees agreed to update the working paper prior to submission to ATNP/2.

5.5 Review plans for ULA documentation for CNS/ATM-2 Package

Mr. Van Trees presented WP7-8 providing material for Package 2 enhancements to the ATN upper layer standards. The material focuses on support for the next edition of ACSE and on support connectionless upper layer services operating on a connectionless transport service. This material would be held as a standing document for use as the basis of the working program after ATNP/2. The existence of this standing document will be noted in the rapporteur's report to ATNP/2 as well as the working paper from WG3 to ATNP/2 proposing work program items for ATNP/3.

6. Air-Ground Application SARPs

6.1 Report from SG2

Mr. Asbury presented WP7-20 reporting on the SG2 activities. He reported that SG2 held meetings in Toulouse and Vancouver during the interval between the Brussels and Munich meetings of WG3. He reported that SG2 has made a number of editorial changes based on direction from WG3 at the Brussels meeting. He also reported that a number of changes were made to incorporate subsetting rules in the draft SARPs. This was done in response to concerns raised by WG3 in Brussels. Specifically a concerned was raised on implementations not electing to support the optional ground forwarding (CM, ADS and CPDLC) or down stream clearance functions (CPDLC). This has resulted in the addition of a chapter 8 SARPs to define the subsetting rules. SG3 used the model of how ISO expresses valid subsets for defining the air-ground application subsets.

SG2 also undertook the definition of the validation objects (VOs) for the air-ground application SARPs. The VOs will account for the valid subsets. This work is not yet complete. The group also proposed a method of defect reporting to take effect after the ATNP/2. SG3 has not yet developed GM for the air-ground applications, but the ADSP produced manual on ATS data link applications could be used as a source from which to develop GM.

6.2 Review of draft Air-Ground Application SARPs material

Based on the review of the four air-ground application SARPs, as described below, the working group empowered the document editors to incorporated the approved changes and issue version 3.0 of these SARPs. Also the working group directed the editors to submit the revised draft to be integrated with the other ATN SARPs material and submitted to ICAO for consideration at ATNP/2.

CPDLC draft SARPs

Mr. Asbury indicated that some 60 defect reports (many editorial in nature) had been reported against the CPDLC SARPs. Considerable material has been moved to Sub-Volume 1. Messages have been clarified to distinguish between system messages and controller messages. The SARPs include a provision for a five-message buffer. Mr. Esser and Mr. Valentine queried the requirement's place in SARPs. Mr. Asbury undertook to consider the buffer-size requirement as a minimum. Mr. Regis Cailliau indicated that the requirement fixed a FANS-1 defect (discard of messages without notification), that would not occur in an ATN implementation, and as such the requirement was inappropriate.

Mr. Asbury then presented the SARPs in detail. The introduction follows Flimsy 7-2. Chapter 2 adds text to indicate that if a transition to a 'cannot occur' state is actioned, that a 'system fault' has occurred and the system aborts. A transition to a 'not permitted' state indicates a user error and produces an error message. Chapter 3 has added material on version negotiation. Chapter 4 added detailed technical changes to the ASN.1. Chapter 5 added state machine enhancements, including handling of exception transitions, as well as stopping timers. Error, Next Data Authority, and Logical Acknowledgment were made stand-alone messages. Chapter 8 is new, pertaining to subsetting.

There was discussion on the way in which certain items, such as service definitions and protocol sequence diagrams, were presented. As drafted these were only preceded within the numbered paragraphs with notes. This material was

reorganized to provide a lead-in "shall" statement to specifically invoke the requirements by citing the figure numbers, the figures were presented under that paragraph.

CM draft SARPs

Mr. Asbury presented the draft SARPs. Material similar to the previous CPDLC SARPs has been added. Chapter 8 on subsetting has been added. The presentation of the abstract service in section 2.1.3 was questioned. It is difficult to put the material in SARPs, but it is essential for reader understanding. It was concluded that it is appropriate to invoke the service requirements with 'shall' statement for the case of the air-ground applications in general. Mr. Esser questioned whether the name/addressing retrieval information was too prescriptive. Mr. Asbury indicated he welcomed a change proposal on the topic. He also indicated that SG2 had globally striven for economy of mechanism.

ADS draft SARPs

Mr. Asbury then presented the ADS draft SARPs. The document has been totally restructured into two sections, one for air-ground, one for ground-ground. The sections are identical in format, and specify two AEs. In CM, the ground-ground forwarding was simply a one-shot effort, while in ADS there is a requirement to maintain the dialogue. This led to a need for the separate mechanism. The user requirements section is quite complicated, especially for handling of multiple contracts. The ADSP has not yet considered subsetting for the ground ADS. There is no permissible proper subset of the air ADS. Mr. Jones pointed out that the two AEs (for air-ground and ground-ground) needed an introductory note to join them. WG3 then reviewed the ground-ground forwarding material.

FIS draft SARPs

Mr. Asbury presented the draft FIS (ATIS) SARPs. Material similar to the other air-ground application SARPs had been added. Chapter 8 on subsetting has been added. The presentation of the abstract service in section 2.1.3 will be changed as per the discussion on CM.

6.3 Review status of Air-Ground Application Guidance Material

Mr. Asbury presented WP7-35 that proposed a format for the ADS GM and proposed this format for other GM. The proposed format did not provide tracking between the SARPs and GM. The working group saw benefit in providing tracking between the SARPs and GM at the top level paragraphs. The ADSP manual on ATS data link applications will be used as a source for some of the air-ground application GM.

6.4 Review ATNP/2 working papers introducing each air-ground application SARPs

Mr. Asbury presented WP7-25, WP7-26 and WP7-27. These were draft WPs to ATNP/2 to provide an overview of CM, CPDLC and ADS respectively. There were some minor corrections noted in each. The WPs were to be reformatted to that agreed to in Flimsy 8. Mr. Asbury then presented WP7-28, presenting an overview of FIS application, which has already been put into the format as described in Flimsy 8. A few minor editor corrections were identified. Mr. Asbury was to provide a update of these WPs to the Rapporteur in advance of the Joint Working Group in Halifax, Canada, 2 August. (Rapporteur's Note: This was done).

6.5 Review plans for Air-Ground Application documentation for CNS/ATM-2 Package

7. Package-1 Validation

7.1 Status of validation planning for Sub-Volume 2, 3 and 4

Mr. Jones led a discussion of Validation Objectives (VOs). He noted that the WG2 had originally conceived VOs to limit the granularity of coverage to a functional level rather than having to track the individual shalls in the validation data base. WG2 defined "Validation Objectives are statements which express the various verifications and evaluations required in order to declare related parts [APRL] of the SARPs as validated". He noted that WG3 was able to track requirements to the individual shall level. Mr. Van Roosbroek noted that Sub-Volume 1 also shows a list of System Level Requirements. These were tracked to individual shalls. Mr. Van Roosbroek cited with approval the WG2 definition of VOs as groupings of verification objectives. He then proposed a matrix correlating validation objectives

and verification means. This would be then mapped to the proposal in IP 7-37. The individual states and organizations would then take responsibility for separate sections of the SARPs. The Eurocontrol VDB was offered as a means to establish the VO-shall relationship. Mr. Vacher indicated that the group had generally followed the approach of SG3, and he wished to concatenate this WG3 approach with any VO definition. Mr. Jones indicated that he favored narrower VOs from which concrete validation exercises could be designed. Mr. Asbury pointed out that he favored a hierarchical approach, and noted that each level implicitly validated the next higher level. Mr. Asbury noted that Mr. Maude in Banff had proposed a more detailed schema, but that implementers went directly to the shalls. Mr. Van Roosbroek indicated he thought VOs were exercises, not tied to detailed shalls. Mr. Jones and Mr. Pearce pointed out that a failed shall caused a failed VO. Mr. Van Trees indicated that the VOs are hierarchical with all shalls supporting VOs, and all VOs supported by shalls.

WG3 agreed on the following definition of VOs: "Validation Objectives are statements which express the analyses tests, and evaluations required in order to declare of the SARPs as validated". WG3 agreed that VOs are not "super-shalls", that there is no hierarchy between VOs and system requirements. The VOs are then test objectives that collect certain shalls. Mr. Jones pointed to the difficulty of claiming that SLRs were validated from collecting individual shalls. Mr. Kraft pointed out the necessity of validating that the shalls were complete.

A shall database is encouraged for validation. Implementations and documentation will generally be at the shall level. The VOs then reflect grouped shalls. Flimsy 15 was produced to summarize the discussions within WG3 on the SARPs validation. Para. 3.4 of WP7-29 was considered an appropriate example the level at which WG3 should standardize on the VOs. FVO from para. 3.4 was further qualified to mean the function not needed for the ATN SARPs nor present to facilitate migration beyond package-1. The VOs from 3.4 will need to be generalized to apply to the other areas of the SARPs (non air-ground applications). Also TVO 3 only applies the ULA dialog service is being used. SVO 1 should reference the system level requirements from SV-1 rather than the ORs from the Manual on ATS Data Link Applications.

ACTION: Mr. Valentine took an action to update the list of VOs from WP7-29 to reflect the agreements of WG3 and produce an update to Flimsy 15 that incorporates a generalized list of VOs that will be used as the basis of the validation activities for all SARPs being produced by WG3. This update will be distributed to WG3 members by mid-July 1996.

7.2 Plans of member States and organizations to support validation activities

Mr. Van Trees introduced WP7-33, an information paper from the U.S. describing an upper layer protocol validation plan. Mr. Van Trees reviewed the U.S. approach to validation testing of the UL SARPs. The WP covered technical validation and functional validation objectives, requirements, test configurations and test scenarios.

7.3 Validation documentation for ATNP/2

Mr. Jones introduced WP7-37, the proposed format for ATN SARPs validation report. He stressed the desirability of common Validation Data Base entries, with common Validation Objectives (VOs). He then discussed the need to arbitrate VO conclusions, for example, if one state declared the implementation had failed the VO, and another state declared theirs had passed, then it would be necessary to decide which conclusion had the better fidelity. Mr. Jones indicated that it may be appropriate to schedule a one-week validation meeting prior to the October 1996 WG3 meeting.

Mr. Van Roosbroek pointed to the necessity of the ANC being aware of the approach, since the mapping from VO to individual shall is not visible in the report. It was agreed that the VOs would include a Sub-Volume reference to the level appropriate for the individual shalls. It was pointed out that some of the VOs spanned multiple sections.

Mr. Koopman emphasized the importance of having a common validation format across Sub-Volumes. The same high-level format will be used across Sub-Volumes. Mr. Calow queried the intended audience for the VDB report. Mr. Jones responded that an implementor had a great advantage in certification if it could be given that the requirements are validated.

8. Planning for ATNP/2

Mr. Jones presented WP 7-3. This WP included a draft WP from the Rapporteur to ATNP/2. The working group reviewed this draft WP and provided comments that the rapporteur will incorporate into the final version that will be submitted to ATNP/2.

Mr. Jones presented flimsy 12 presenting a draft working paper for ATNP/2 proposing future work program items to advance the work of the panel beyond ATNP/2. A number of suggestions were accepted to include additional work items in the proposal. Most notable was the addition of investigating the use of X.500 directory service and its integration with X.400 and context management applications.

8.1 Schedule for ATNP/2

The ANC has scheduled the ATNP/2 meeting for 4-15 November 1996.

8.2 Define products expected from the eighth WG3 meeting

The WG3 product needed for ATNP/2 and the October WG3 meeting were provided in Flimsy 1. These include the validation report for ATN SARPs, ATN Guidance Material, and any proposed changes to the draft ATN SARPs (based on the validation activities).

9. Subgroup tasking

9.1 Products needed for future WG3 meetings and for ATNP/2

The WG3 product needed for ATNP/2 and the October WG3 meeting were provided in Flimsy 1.

9.2 Schedule for subgroup meetings

SG1: 23-27 September in Toulouse
SG2 TBD
SG3 TBD

WG3 7-15 October in Alexandria, Virginia USA

10. Any other business

The working group reconsidered flimsy 6-8 (from the Brussels meeting of WG3) on the subject of the need for a strong QoS routing policy on the entire path or only on the air-ground portion of the path. WG2 had raised an issue with the flimsy as Sub-Volume 5 currently only supports use of strong policy on the air-ground portion of the path. Mr. Wyman, a member of WG2, discussed the status of the internet SARPs in this area and the implications of fully complying with the position stated in flimsy 6-8 for enforcing a strong routing policy, relative to forwarding of ATSC traffic, along the entire path. WG3 members from the UK and Australia indicted that ATSC traffic needs to pass only over ATSC authorized paths. The member from Australia also indicated that non-ATSC traffic should not be allowed to pass over a path authorized to only carry ATSC traffic. This position was conveyed to WG2.

The meeting adjourned at 1200 on Saturday 29 June 1996.

Attachment 1

ATNP WG3 - Seventh Meeting
24-29 June 1996

1. Administrative Items and Approval of the Agenda
   - 1.1 Administrative announcements
   - 1.2 Discuss arrangements for eighth WG3 meeting (October 1996 in the United States)
   - 1.3 Review schedule for ATNP/2 and eighth WG3 meeting
   - 1.4 Review Agenda

2. Review and Approve Report of the sixth meeting (Brussels) of WG3
   - 2.1 Review issues and action items from previous WG3 meeting

3. Review inputs received from other ATNP working groups and other ICAO bodies
   - 3.1 Review inputs received from the panel Secretary
   - 3.2 Review inputs from other ICAO bodies

4. Ground Application SARPs
   - 4.1 Report from SG1
   - 4.2 Review of draft Ground Application SARPs material
     - ‘ 4.2.1 Review of draft AMHS SARPs
     - 4.2.2 Review of draft ICC SARPs
   - 4.3 Review status of Ground Application Guidance Material
   - 4.4 Review ATNP/2 working papers introducing MHS and ICC SARPs
   - 4.5 Review plans for Ground Application documentation for CNS/ATM-2 Package

5. ATN Upper Layer SARPs
   - 5.1 Report from SG3
   - 5.2 Review of draft ULA SARPs material
   - 5.3 Review status of draft ULA Guidance Material
   - 5.4 Review ATNP/2 working paper introducing ULA SARPs
   - 5.5 Review plans for ULA documentation for CNS/ATM-2 Package

6. Air-Ground Application SARPs
   - 6.1 Report from SG2
   - 6.2 Review of draft Air-Ground Application SARPs material
   - 6.3 Review status of Air-Ground Application Guidance Material
   - 6.4 Review ATNP/2 working papers introducing each air-ground application SARPs
   - 6.5 Review plans for Air-Ground Application documentation for CNS/ATM-2 Package

7. Package-1 Validation
   - 7.1 Status of validation planning for Sub-Volume 2, 3 and 4
   - 7.2 Plans of member States and organizations to support validation activities
   - 7.3 Validation documentation for ATNP/2

8. Planning for ATNP/2
   - 8.1 Schedule for ATNP/2 (i.e., November 1996 for in 1997?)
   - 8.2 Define products expected from the eighth WG3 meeting

9. Subgroup tasking
   - 9.1 Products needed for future WG3 meetings and for ATNP/2
   - 9.2 Schedule for subgroup meetings

10. Any other business

ATTACHMENT 2

LIST OF WORKING PAPERS

ATNP WG3 - Seventh Meeting - Munich, Germany, 24-29 June 1996

No	Agenda Item	Presenter	Title
7-1	1.4	R. Jones	Agenda
7-2	2	R. Jones	ATNP WG3 Report Fourth Meeting (Banff, Oct. 1995)
7-3	8	R. Jones	ATNP WG3 Rapporteur's Report to ATNP/2
7-4	5.1	S. Van Trees	Report of SG3
7-5	5.2	S. Van Trees	Draft ATN - ULA SARPs
7-6	5.3	S. Van Trees	Draft ATN - ULA Guidance Material
7-7	5.4	S. Van Trees	Proposed ATNP/2 WP - Overview of ULA SARPs and GM
7-8	5.5	S. Van Trees	Package-2 ULA SARPs Planning
7-9	5.2	S. Van Trees	Summary of Change Requests and Defect Reports for ATN Upper Layers
7-10	4.1	J. Piram	Report of SG1
7-11	4.2.2	C. LeClerc	Draft ATN - ICC SARPs
7-12			Not Used
7-13	4.2.1	J. Vacher	Draft ATN - MHS Over the ATN SARPs
7-14	4.3	J. Vacher	Draft ATN - MHS GM
7-15	4.4	J. Piram	Proposed ATN/2 WP - Overview of ICC SARPs and GM
7-16	4.4	J. Piram	Proposed ATN/2 WP - Overview of MHS SARPs and GM
7-17	7.3		Not Used
7-18	7.3	J. Vacher	ATN - MHS SARPs Validation Objectives
7-19	7.3	C. LeClerc	ATN - ICC SARPs Validation Objectives
7-20	6.1	M. Asbury	Report of SG2
7-21	6.2	M. Asbury	Draft ATN - CM Application SARPs
7-22	6.2	M. Asbury	Draft ATN - ADS Application SARPs
7-23	6.2	M. Asbury	Draft ATN - CPDLC Application SARPs
7-24	6.2	M. Asbury	Draft ATN - FIS Application SARPs
7-25	6.4	M. Asbury	Proposed ATNP/2 WP - Overview of CM Application SARPs and GM
7-26	6.4	M. Asbury	Proposed ATNP/2 WP - Overview of CPDLC Application SARPs and GM
7-27	6.4	M. Asbury	Proposed ATNP/2 WP - Overview of ADS Application SARPs and GM
7-28	6.4	M. Asbury	Proposed ATNP/2 WP - Overview of FIS Application SARPs and GM
7-29	7.3	M. Asbury	ATN - CM SARPs Validation Objectives
7-30			Not Used

No	Agenda Item	Presenter	Title
7-31			Not Used
7-32			Not Used
7-33 IP	7.3	S. Van Trees	Upper Layer Validation Plan
7-34	4.2.1	J. Vacher	List and Status of Comments on draft MHS SARPs
7-35	6.3	M. Asbury	Proposed ADS Guidance Material
7-36	10	K. van der Bogaard	Harmonization of IATA and ICAO ATN Standardization
7-37	7.3	R. Jones	Proposed format for ATN SARPs validation report
7-38 IP	1.2	R. Jones	Announcement for October 1996 ATNP Working Group meetings
7-39	3	S. Van Trees	Editorial Guidance for ATN SARPs and GM
7-40	3.2	M. Paydar	An Update from the Panel Secretary
7-41 IP	5.2	S. Van Trees	ISO DAM text
7-42			
7-43			
7-44			

Flimsies

1 ATNP/2 WG3 deliverables

2 Revised introductory sections for CM,. CPDLC and ADS air-ground application SARPs

3. Draft ATN SARPs - Part 1, version 0.4

4. Location of ATN SARPs and Guidance Material

5. System-level requirements and key words

6. Proposed amendments to AMHS SARPs

7. Draft 0.7 of Sub-Volume 1 of the ATN SARPs

8. Format for summary working papers to ATNP/2

9. Topics for WG2/WG3 joint meeting

10. Proposed revision to ULA SARPs paragraph. 4.2

11. Comments on AIDC Draft SARPs and on the ADSP AIDC Guidance Material

12. Draft WP to ATNP/2 on proposed work program items

13. Statement of System Requirement for ATSC-only routes

14. Global changes Air-Ground SARPs

15. Validation Issues

Attachment 3

ATNP WG3 Seventh Meeting - Attendance List

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