

ATNP/WG3/WP7-26
September 30, 1998

AERONAUTICAL TELECOMMUNICATION NETWORK PANEL
Working Group 3

Bordeaux, 29 September - 2 October 1998

ITU-T SG7 Q.22 Activity Report

(Presented by Steve Van Trees (USA))

<p>Summary</p>

<p>ATNP interests were represented at the ITU-T SG7 meeting in Beijing last week.</p>

1. Introduction

ITU-T SG7 Q.22 met in Beijing 20-24 September 1998. Q.22 concerns OSI Applications and Upper Layers. The group is responsible for the ITU-T base standards used in the ATN ULCS.

2. Results of the Meeting

Application Service Object - Association Control Service Element (ASO ACSE) was approved at the meeting. The connectionless upper layer efficiency enhancements were determined for approval at the next meeting. ASN.1 amendments on dynamic constraints and semantic model were approved.

3. Other aspects of the meeting

Other questions concerned matters such as directory, security, MHS, system management, and multicast. Material has been distributed to concerned ATNP advisors.

All SG7 material is available at:

<ftp://vantrees:ITUwelcome@ties.itu.int/u/tsg7/sg7>

4. Plans

ITU-T SG7 meets again in GVA in June 1999 and March 2000. This likely concludes ITU-T Rapporteur involvement.

5. Recommendation

The meeting is invited to note the successful completion of the base standards cycle for CNS/ATM-2.

STUDY GROUP 7

Beijing, 14-25 September 1998

Question(s): 22/7

SOURCE: RAPPORTEUR Q. 22/7 (Stephen P. Van Trees)
TITLE: REPORT OF THE Q. 22/7 MEETING

1 Question

Question 22/7

Open systems interconnection application, presentation, and session layers

2 Rapporteur

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3 Documents considered that address issues of concern to Q22/5

T07-C171 X.217bis -- ASO ACSE Service Definition
T07-C172 X.227bis -- ASO ACSE Connection Mode Protocol Specification
T07-C173 X.237bis -- ASO ACSE Connectionless Mode Protocol Specification
T07-C177 X.630 -- Efficient OSI Operations
T07-D199 X.630 -- Efficient OSI Operations (Modifications)
T07-D202 X.217bis -- ASO ACSE Service Definition (Modifications)
T07-D203 X.227bis -- ASO ACSE Connection Mode Protocol Specification
(Modifications)
T07-D204 X.237bis -- ASO ACSE Connectionless Mode Protocol Specification
(Modifications)
T07-D218 X.669 Defect Report

T07-D228	X.680/Draft Amendment 1 – ASN.1 – Dynamically Constrained Types
T07-D229	X.680/Draft Amendment 2 – ASN.1 – Semantic Model
T07-D230	X.681/Draft Amendment 1 – ASN.1 – Information Object Specification - Semantic Model
T07-D231	X.682/Draft Amendment 1 – ASN.1 – Constraint Specification – Dynamically Constrained Types
T07-D232	X.683/Draft Amendment 1 – ASN.1 – Parameterization of ASN.1 Specifications -- Semantic Model
T07-D233	X.690 – ASN.1 Encoding Rules – BER, CER, DER -- Dynamically Constrained Types
T07-D234	X.691 – ASN.1 Encoding Rules – PER -- Dynamically Constrained Types
T07-D235	Distributing Small OIDs and Making Identifiers less significant
T07-D236	Relative OIDs
TD4042	Support for Y2K in MHS
TD5139	Liaison from SG8 on ASN.1
TD5142	Liaison from SG11 on ASN.1
TD5152	Liaison from Q.19/4 on STASE-ROSE
TD5153	Liaison from Q.15/4 and Q.19/4 on ASN.1
TD5155	Liaison from WP4 on STASE-ROSE
TD5156	Determination of MOFULS
TD5157	Assistance in Migrating TMN to ASN.1.
TD5160	X.630 -- OSI Efficiency (Modifications)
TD5178	X.235/Amd 1-- Connectionless Session Fast Byte
TD5179	X.236/Amd 1 -- Connectionless Presentation Fast Byte
TD5190	X.681.Amd 3 -- ASN.1 -- Relative OIDs.

4 Meeting Results

4.1 Agreements Reached

4.1.1 General

The group has completed work on revisions to ACSE and OSI efficiency. The group continues work on ASN.1.

4.1.2 ASO ACSE

The three ACSE texts are offered for approval at this meeting. They are in common text, with all ballots completed in SC33. Mr. Van Trees served as editor.

4.1.3 ACSE Defect Report

The group reviewed a defect report submitted against the ACSE protocol (COM 7-141-E). The group noted the defect had been fixed in Amendment 1 to ACSE (March 1997).

4.1.4 Connectionless Efficiency Enhancements

The efficiency enhancements for connectionless upper layers are to be determined at this meeting. The possibility of fast-tracking these amendments in ISO will be discussed with Mr. Furniss, the OSI Maintenance Rapporteur.

4.1.5 Efficiency Enhancements

In response to a question at the meeting, it was confirmed that the Addendum 1 ("fast byte") to X.215, X.225, X.216, and X.226 were cancelled and replaced by Amendment 1 ("efficiency enhancements") to X.215, X.225, X.216, and X.226, respectively.

4.1.6 OSI Efficiency

The OSI Efficiency Recommendation X.630 has been completed and is offered for approval at the SG7 meeting. The project was begun as in collaborative mode with ISO (TR 14770), but ISO have since cancelled the project.

4.1.7 Cancellation of ISO/IEC JTC1/SC33

Q.22 notes that most of its mature standards on the JTC1 side have been assigned to the OSI maintenance rapporteur. The ASN.1 work has been assigned to SC6.

4.1.8 X.208/X.209 Withdrawal

Q.22/7 had proposed withdrawal of X.208/X.209, such that the Recommendation could not be used or referenced. Q.22/7 received another series of liaisons requesting NOT to withdraw ASN.1:1988. The group has prepared a liaison (TD5012 December 1997) indicating advantages of the upgrade from ASN.1:1988. SG4 have accepted the offer from Q.22/7 to facilitate the upgrade to X.680-X.691.

4.1.9 IETF

Q.22/7 received information on used of mixed ASN.1 in IETF specifications. Significant concern was expressed. More information will be forthcoming.

4.1.10 X.669

The group had a collaborative meeting with Q.21/7. The group agreed to defer resolution of the defect report against X.669 identified in D 218/5 until the next SG7 meeting. Q.21/7 is to suspend progression of TD 5165 until that time. The liaison to SC6 is contained in TD 5184.

4.2 Draft Recommendations for Approval at this SG 7 Meeting:

- X.217bis ASO ACSE Service Definition (T07-C171 and D 202/5)
- X.227bis ASO ACSE Connection Mode Protocol Specification (T07-C172 and D 203/5)
- X.237bis ASO ACSE Connectionless Mode Protocol Specification (T07-C173 and D 204/5)
- X.630 Efficient OSI Operations (T07-C177 and TD 5160)

4.3 Draft Recommendations for Determination at the September 1998 SG 7 Meeting:

- X.228/Cor 1 RTSE (TD 5019 March 1997)
- X.235/Amd 1 Connectionless Session Protocol -- Efficiency Enhancements (TD 5178)
- X.236/Amd 1 Connectionless Presentation Protocol -- Efficiency Enhancements (TD 5179)
- X.680/Amd 1 ASN.1 – Dynamically Constrained Types (D 228/5)
- X.680/Amd 2 ASN.1 – Semantic Model (D 229/5)
- X.680/Amd 3 ASN.1 -- Relative OIDs (TD 5190)
- X.681/Amd 1 ASN.1 – Information Object Specification - Semantic Model (D 230/5)
- X.682/Amd 1 ASN.1 – Constraint Specification – Dynamically Constrained Types (D 231/5)
- X.683/Amd 1 ASN.1 – Parameterization of ASN.1 Specifications -- Semantic Model (D 232/5)
- X.690/Amd 1 ASN.1 Encoding Rules – BER, CER, DER -- Dynamically Constrained Types (D 233/5)
- X.691/Amd 1 ASN.1 Encoding Rules – PER -- Dynamically Constrained Types (D 234/5)

Summaries of the Recommendations are in TD 5182.

4.4 Liaisons and Communications

4.4.1 ISO SC6/ASN.1 and Registration Groups

This liaison is addressed to the SC6 ASN.1 and Registration groups. It suggests a collaboration on a defect report against X.669. It is contained in TD 5184.

5 Action Plan

The action plan for the work under Q. 22/7 during this Study Period is in TD 5181.

6 Next Meetings

SC6 ASN.1 Group, January 1999
SG7, June 1999, Geneva