

ITU-T Working Party 3/4, an overview

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WP 3/4 Work Areas

- o Telecommunications Information Models and Protocols
 - Management interface methodology and infrastructure management information models(Q.9/4)
 - Application specific information models(Q.10/4)
 - Protocols and Securities for Management (Q.11/4)

Question 9/4

- o Subject:
 - Management interface methodology and infrastructure management information models
- o Accomplishments:
 - M.3020, M.3100, M.3120
- o Current Activities:
 - M.3020 revision
 - Protocol Neutral Information Models
 - Leading MTNM Focus Group (Q816.2, X.780.2,...)

Q.9/4 Accomplishments

- o M.3020: TMN Interface Specification Methodology
- o M.3100: Generic network information model
- o M.3120: CORBA generic network and network element level information model

Q.9/4 Current Activities (1/2)

- o M.3020 enhancement
 - Guidelines for use of UML for UTRAD protocol neutral information modelling
- o M.3100 enhancement
 - Development of Protocol neutral version M.3100
- o Common management information model
 - Development of Protocol neutral version of System management functions.

Q.9/4 Current Activities (2/2)

o MTNM Focus Group

- Purpose:

- MTNM Solution Sets developed by TMF as ITU-T Recommendations

- o MTNM: Multi-Technology Network Management

- Directions:

- Development of additional CORBA frameworks as X.780.2 and Q816.2
- Introduction of MTNM Solution Sets under the additional CORBA frameworks

Question 10/4

- o Subject:
 - Application specific information models
- o Accomplishments:
 - Q.83x series
- o Current Activities:
 - Q.810.1
 - Q.837.2



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Q.10/4 Accomplishments

- o Q.834 series: BPON management
 - Q.834.1, Q.834.3, Q834.4
- o Q.837.1:SDH-DLC functional requirements for the network and network element views
- o Q.838.1:Requirements and analysis for the management interface of Ethernet passive optical networks (EPON)

Q.10/4 Current Activities

- o Q.840.1: Requirements and Analysis for NMS-EMS Management Interface of Ethernet over Transport and Metro Ethernet
- o Q.837.2: Requirements and Analysis for SDH-DLC access networks

Question 11/4

- o Subject:
 - Protocols and Securities for Management
- o Accomplishments:
 - Q811, Q812
 - M.3016 series
- o Current Activities:
 - Q.811 and Q.812 revision
 - Evolving M.3016 series
 - Development of Security Management Systems requirements



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Q.11/4 Accomplishments

- o Q811: Lower layer protocol profiles for the Q and X interfaces
- o Q812: Upper layer protocol profiles for the Q and X interfaces
- o M.3016 series : Security for the management plane
 - Overview(0), Security Requirements(1), Security Services(2), Security Mechanism(3), Profile proforma(4)

Q.11/4 Current Activities

- o Q.811 and Q.812 revision
 - Protocol Extensions
 - incorporate management communications network requirements currently included in G.7712,
 - address protocol requirements of tML based on existing external XML based network management standards
- o M.3016 series
- o Security Management Systems Requirements