Dec 9, 2004

TMOC

Telecom Management and Operations Committee
(Formerly T1M1 OAM&P Committee)
http://www.atis.org/0130/index.asp

A Technical Committee of

Alliance for Telecommunications Industry Solutions
www.atis.org

Accredited by the American National Standards Institute

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Tony Jeffree
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IEEE 802.1 Working Group Chair

Subject: Review and Coordination of OAM&P Aspects of Wide Area Ethernet (WAE).

Dear Tony:

The purpose of this correspondence is to inform you that the TMOC (Telecom Management and Operations Committee, Formerly T1M1 OAM&P Committee) has been requested by the ATIS (Board of Director's) TOPS (Technology and Operations) Council to support you from a review and coordination perspective regarding your work on OAM&P aspects of Wide Area Ethernet (WAE). More information on the ATIS TOPS Council and a fact sheet on the TOPS Council WAE Work Plan can be found on the TOPS Council website: **http://www.atis.org/topscouncil.shtml.**

The specific task that has been assigned to TMOC regarding IEEE 802.1ag is shown in Items 1 and 3 in Attachment 1. *Thus we respectfully request that you share your work plan, work status, and any appropriate stable technical documents related to OAM&P aspects of WAE (strictly for review and coordination purposes). In addition, we request your thoughts and input on how to best proceed regarding TMOC support of your work.* We view this request as a normal cross-forum review and coordination activity that occurs in the industry on a regular basis. At this point, TMOC has *no plan and no proposal on the table* to produce a WAE specific standard on our own or jointly. If such a plan was to be proposed, then we would need to have a common understanding regarding the deliverable(s).

A brief overview of TMOC and its work programs is provided in Attachment 2. Two key points should be noted regarding TMOC deliverables: (1) TMOC is a major formulator of OAM&P related American National Standards (ANS); (2) TMOC is the primary vetting channel for USA Positions targeted for ITU-T SG4 via USSGB (ITAC-T). Thus should either the need for ANS formulation or ITU-T SG4 (USA Position) support or coordination be needed – then TMOC stands ready to assist you.

We look forward to your input and coordination on this important WAE topic. Please contact me if you have any comments, questions, or concerns.

Best regards,

Mike Fargano
TMOC Chairman

Cc:
Paul Congdon (paul.congdon@hp.com),

IEEE 802.1 Working Group Vice Chair
Ron Roman, TMOC Vice Chair
Lakshmi Raman, TMOC-AIP Chair
Kam Lam, TMOC-AIP Vice Chair
Nicole Butler, ATIS/Secretariat
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Steve Barclay, ATIS/Secretariat
Jean-Paul Emard, ATIS/Secretariat
Tim Jeffries, ATIS/Secretariat

Attachment 1: TOPS Council Actions/Tasks Assigned to TMOC

The ATIS TOPS Wide Area Ethernet Work Plan has assigned the following actions to TMOC:

1. ***General OAM Action:*** **Given that TMOC provides general OAM&P Architecture, Framework, Security, and OSS Interconnection Technology standards, and TMOC is the primary USA channel for positions to ITU-T SG4, it is generally recommended that TMOC be involved with review and coordination of WAE OAM work occurring in the industry (via cross committee coordination and liaison). This will ensure that WAE OAM work is appropriately coordinated with key aspects of the ATIS Data Interchange work program and the ATIS Security work program. *Timeline:* This is an ongoing action.**

2. *TMOC should work jointly with MEF to develop complimentary programs in the areas of infrastructure and network management with focus on OAM&P.* The intent is to establish common baseline requirements for network management and operating procedures for Ethernet services. Requirements could be established by utilizing existing generic specifications -- such as those created by the TMF – or by developing new specifications. Demonstrated compliance to the baseline requirements would serve to enhance carrier acceptance/recognition of product interoperability. TMOC should complete its work program plan in March of 2005.

3. ***TMOC should communicate with IEEE 802.1ag, which is currently developing Fault Management for Ethernet.*** **The intent is to develop complimentary programs. TMOC should develop and provide requirements and also consider providing guidance to other ATIS committees (e.g., OBF, NIIF) as the work progresses in 802.1.ag. TMOC should complete its work program plan by March of 2005.**

4. *TMF Coordination:* TMOC should support the TMF information models and interface specification, and encourage its adoption by the ITU-T. It should look to the TMF for any interoperability testing that may be useful to validate the TMF model and interface specification. This is an ongoing action.

Attachment 2: TMOC Overview

TELECOM MANAGEMENT AND OPERATIONS COMMITTEE (TMOC)

The Telecom Management and Operations Committee (TMOC) develops operations, administration, maintenance and provisioning (OAM&P) standards, and other documentation related to Operations Support System (OSS) and Network Element (NE) functions and interfaces for communications networks - with an emphasis on standards development related to U.S.A. communication networks in coordination with the development of international standards.

The scope of the work in the committee includes the development of standards and other documentation for communications network operations and management areas, such as: Configuration Management, Performance Management (including in-service transport performance management), Fault Management, Security Management (including management plane security), Accounting Management, Coding/Language Data Representation, Common/Underlying Management Functionality/Technology, and Ancillary Functions (such as network tones and announcements). This work requires close and coordinated working relationships with other domestic and international standards development organizations and industry forums.

Subcommittees and Task Forces:

- TMOC-CLDR - Coding and Language Data Representation
- TMOC-AIP - Architecture, Interface and Protocols
  - Trouble Administration (TA) Task Force
  - Technology Support (OSSX) Task Force
  - VoIP Accounting Management Task Force
- T1.231 (Transport Performance Monitoring) Task Force
- Signaling Test Specification Task Force

Current Major Work Initiatives

- ***Common OAM&P Functionality and Technology***: Current work efforts in this area provide for significant standards efficiency and industry efficiency by providing for the common frameworks and models that many or all Inter-Administration OAM&P standards and Network Technology Specific OAM&P standards can utilize as a foundation. This provides for the rapid formulation of these standards as well as the opportunity for efficient implementations thereof. TMOC is the key contributor to ITU-T in this area. Key examples of work in this area are Management Plane Security, Security Management System, and interface technology frameworks (e.g., XML/tML and CORBA).

- ***Inter-Administration OAM&P***: Current work efforts in this area provide for interoperability and intercommunications between service providers, i.e., IXC-LEC, CLEC-ILEC, etc. This work required a close collaboration with related industry fora, such as OBF. Key examples of work in this area are coding schemes for information interchange (e.g., Service Provider Codes); Operations Support System (OSS) to OSS Interconnection interface application standards (e.g., Trouble Administration, Service Testing); OSS to OSS Interconnection transport protocol; and support for the Global Telecommunications Data Dictionary (GTDD) initiative.

- ***Network Technology Specific OAM&P***: Current work efforts in this area provide for network technology specific OAM&P interoperability between and among service providers' and suppliers' systems, i.e., network technology specific OAM&P interoperability between and among OSSs, Element Management Systems, and Network Elements. Key examples of work in this area are VoIP Accounting Management, Transport Performance Monitoring, and Emergency Telecom Services.