

TeleManagement Forum / DMTF Work Register
Version 1.1
Date Initiated : 3/22/2007

Technology and Business (CIM/SID/MTNM)
Model Convergence and Coordination

Alliance Organizations

[TeleManagement Forum](#) and the [Distributed Management Task Force](#) (DMTF)

Background

The purpose of this Work Register is to provide a channel for the DMTF and TM Forum to take advantage of previous work done by the "other" organization – specifically, the TMF work on eTOM and the SID model, and the DMTF work on the CIM Core and Common Models. The information will be mined and translated into a form that can serve as input into the construction of the DMTF CIM Schema and TMF SID model, respectively. A result of this process will be to present convergence and modeling proposals back to the DMTF and TMF, for updating the CIM schema and the SID model. These proposals will identify specific content changes to enhance and align the two models and development efforts, and reduce duplication of effort.

The specific recommendations will be tracked between the TMF and the DMTF as an action item list. The action item list will contain the recommendation, recommendation date, TMF contact/working group, DMTF contact/working group, status (open/closed/in progress), TMF tracking number or DMTF Change Request Number (or both), and the CIM/SID/eTOM versions where the recommendation will appear. If there are questions, the DMTF or TMF contact may need to participate in a conference call with the "other" team.

The TM Forum will also delineate questions and issues regarding UML mapping for consideration by the DMTF. These will be presented and tracked as described above.

In addition to the convergence and modeling proposals to better align the two models as described above, the two organizations will produce a convergence document to help users to map between the DMTF and TMF models. The document will leverage the positioning statement released by the two organizations in 2003. It will explain the telecom and enterprise environments as addressed by the two models, terminology, model representation and design guidelines, model coverage details and how the two models are mapped.

Alliance Partner Mission

The TeleManagement Forum provides leadership, strategic guidance and practical solutions to improve the management and operation of information and communications services. Our open membership of more than 500 companies comprises incumbent and new-entrant service providers, computing and network equipment suppliers, software solution suppliers and customers of communications services. TM Forum has been contributing to the Information and Communications Services (ICS) Industry for over 15 years.

Alliance Benefits

Benefits to TeleManagement Forum

- Assisting the development of shared information and data models for use within the [New Generation Operations Systems and Software program](#) (NGOSS) Architecture. Specifically, the DMTF's [Common Information Model](#) (CIM) Core and Common Models will be analyzed to find useful managed entities and relationships for input into the construction of the TMF's [Shared Information and Data](#) (SID)
- Providing the ability to reuse information in the DMTF's CIM in NGOSS environments
- Joint positioning with the DMTF that describes how the TMF's [enhanced Telecoms Operation Map](#) (eTOM) business models relate to the DMTF's technology oriented models.

Benefits to Distributed Management Task Force

- Suggesting updates to CIM Core and Common Models to:
 - Establishing a process for mining information from the DMTF CIM and translating that information into a form for input into the NGOSS SID
 - Provide updates to the CIM Core and Common Models according to NGOSS implementation experience
 - Map useful managed entities and relationships from the SID model, for input into the construction of the DMTF's CIM Core and Common Models
 - Map common business entities and relationships as defined in the eTOM and SID model documents, as they pertain to management
 - Enhance the CIM model to allow detail records to be generated in support of bill creation for enterprise resources such as Applications, Computing and Storage.
- Providing the ability to reuse information in the TMF SID model in CIM environments (*Web-Based Enterprise Management* (WBEM) and *Directory Enabled Networks* (DEN))

Customers and vendors of both organizations benefit from this effort by having a single, consistent model from technology through business perspectives.

Milestones / Dates

1. Establish and operate a formal tracking process for mining, sharing, and re-using appropriate information from DMTF and TMF models

This Process will include proper tracking of identified work items with associated actions, change control requests and responses to the co-operating party. Although not limited to, the main focus is the SID Physical/Logical Resources and CIM Physical and Network models.

2. Publish a joint DMTF/TMF Mapping Methodology and Use Case Document. The purpose of this document is to serve as a validation for the mapping methodology. In addition, it will serve as an aid to assist users in understanding the appropriate placement of the SID/mTOP and CIM information models in a converged Telecomm / Enterprise environment and validate the mapping methodology.

Target Dates:

- Use Case Definitions – March 2007

- Final CIM/SID Mapping Methodology Document – June 2007 (TMF and DMTF), draft available for discussion at Team Action Week (TAW) in May 2007.
3. Develop proposal for a CIM/SID/mTOP Harmonization Catalyst project .

Target Dates:

- Call for participation was in Dec. 2006
- TMF Team Action Week in May 2007

4. Model Analysis in the following areas
- TerminationPoint fragment
 - Connectivity fragment (Connection/Pipe)
 - Equipment fragment (Physical)

Model analysis will encompass several steps:

- Comparison of models
- Identification of core principles and architectures that gave rise to the SID/CIM/mTOP models
- Identification and/or definition of common model patterns
- Identification of changes and specific work items per model

Target Dates:

- Interim deliverables on a quarterly basis
5. November 2007, work completion

Work Register Review Date

Closure of this work register is December 31st 2007. The work register will be updated upon closure to refocus the milestones and deliverables as needed to include on-going dialogue on SID/CIM and future coordination proposals.

The following two documents have been published as part of this liaison:

- DMTF/TMF Model Alignment, SID Logical Resources and CIM Networks Sub-Models, DMTF DSP2009, TMF GB933
- DMTF/TMF Model Alignment, SID Physical Sub-Model, DMTF DSP2004, TMF GB932

Resources Identified / Points of Contact:

Within TeleManagement Forum

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Within DMTF

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Corresponding TeleManagement Forum Work Register Document

DMTF-CIM/TMF-SID Harmonisation Charter v 0.1

Approved by the DMTF Board of Directors; Board Resolution 2007-04-5, on 04/10/2007.