### Management Problem(s) and Environment

Policy-based management provides an abstraction that enables the definition of system behaviors that are independent of implementations. The Policy Working Group continues to develop rule-based mechanisms for highly scalable management of heterogeneous systems.

Policies can be used to specify resource management configuration directives and, at a higher abstraction layer, they can be used to specify user experience management directives.

### WG Charter

Activities of the working group include:

- Modeling of policy rules using generic event-condition-action classes
- Evolution of the CIM Policy Model, including updates based on implementation experience
- Service Level Objectives model, developed in consultation with the Application WG, that includes:
  - Modeling of the metrics (using the CIM Metrics Model) measured, managed and reported in the support of Service Level Agreements,
  - Modeling of the relationships between service level objectives, high-level and device-level policy rules, and
- Analysis of the context(s) in which policy rules apply and the implications for further extensions to the Model
- Investigate the potential use of policy languages for expressing conditions and actions.

### Alliance Partnerships

We are working closely with the SNIA Policy-based Storage management TWG ([http://www.snia.org/apps/org/workgroup/policy](http://www.snia.org/apps/org/workgroup/policy)) on their profiles and the SMI-S specification that is driving storage implementations.


There is also related work being done in The Open Group ([http://www.opengroup.org/qos/](http://www.opengroup.org/qos/)) including the AQRM group doing application quality management.

We are working with the TeleManagement Forum ([http://www2.tmforum.org/browse.asp?catID=997&sNode=997&Exp=Y](http://www2.tmforum.org/browse.asp?catID=997&sNode=997&Exp=Y)) in the continuing SID/CIM coordination.

The Global Grid Forum is also considering adding policy work to the
| Reliance/Coordination with other WG Models | The SLO Model will use the Metrics Model. It may also use the Events Model and create associations to objects within the User Model. The generic Event-Condition-Action work is pertinent to all WGs. We will need to coordinate with the SPAM WG on Firewall policies and actions. |
| Prior Work | The current Policy Model is based on prior work done jointly by the DMTF Policy Working Group and the IETF Policy Framework Working Group, resulting in the 2.6 standard release and the 2.7 preliminary standard release of the CIM Policy Model, and in RFC3060 and the Policy Core Information Model Extensions which has been approved for publication as an IETF Proposed Standard RFC (RFC number to be assigned at the time of this writing). For CIM 2.8 (1Q2003), the working group completed minor updates to the model based upon implementation experience. |
| Current Work – Overview, Deliverables and Timeline | For CIM 2.9 we expect to extend policy such that it can act directly on CIM implementations without further sub-classing. Specifically we are working on QueryCondition and MethodAction subclasses for CIM 2.9 A white paper that includes some "best practices" guidance in the definition and management of Event-Condition-Action implementations. |
| DMTF Contacts | Mark A. Carlson, wg-policy-chair@dmtf.org |
| Link to Subteam Charter(s) | There are no active subteams. |

To join the DMTF, see [http://www.dmtf.org/join/index.php](http://www.dmtf.org/join/index.php), and to join the working group, see [http://www.dmtf.org/apps/org/workgroup/policy/join.php](http://www.dmtf.org/apps/org/workgroup/policy/join.php)