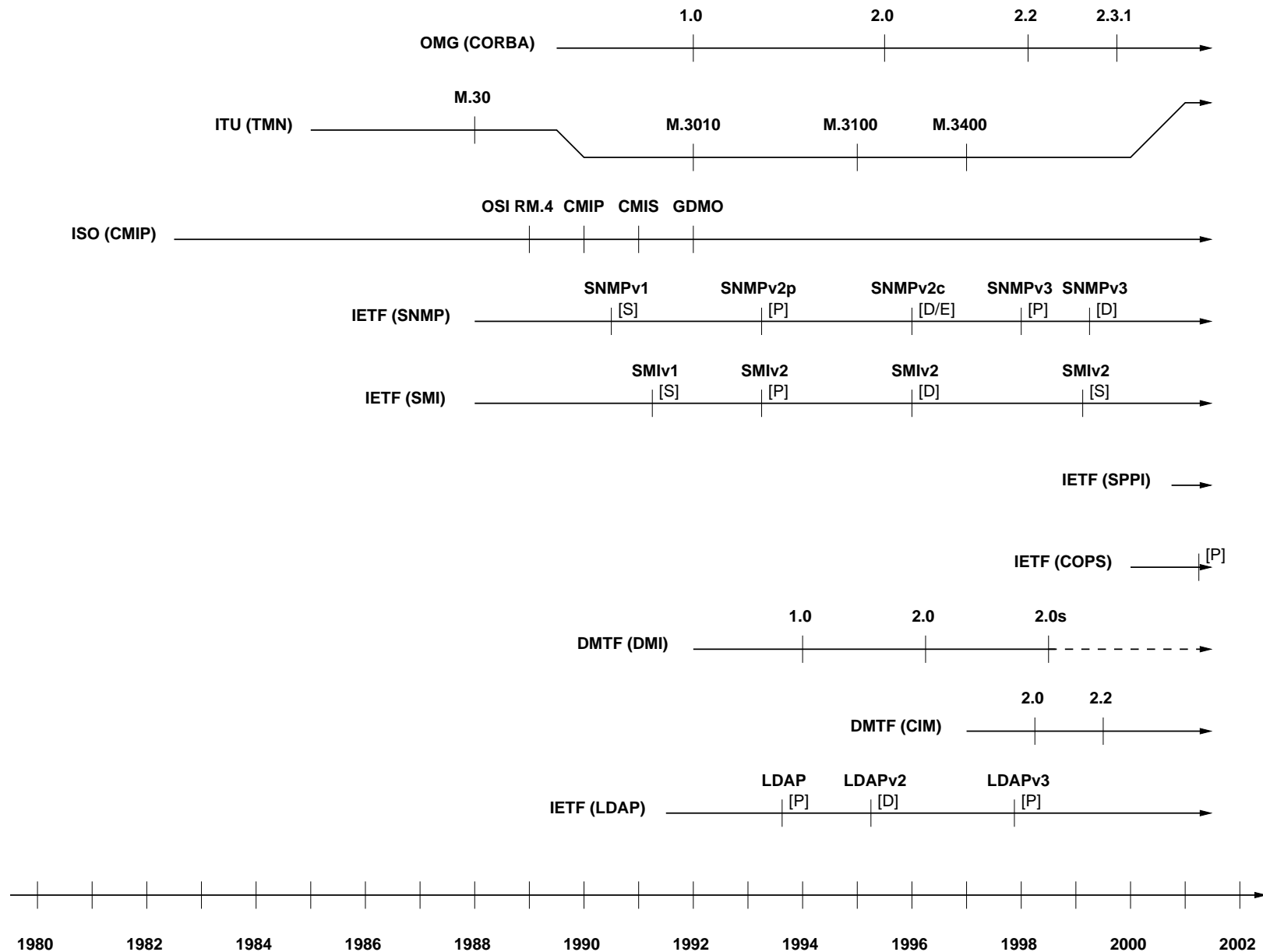

SMIng – The Next Generation SMI

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Evolution of Management Technologies



What is SMIng?

- The objective is to replace both the SMIv2 and the SPPI with a single, merged language as the data definition language for the monitoring, configuration, and provisioning of network devices.
- The language developed will enable the modeling of network management information in a manner that provides the benefits of object-oriented design. To achieve this, the language must allow the design of highly reusable syntactic/semantic components (templates) that can be reused by multiple IETF working groups for convenience, consistency, and to maximize interoperability in device management.
- The language will provide for the definition of a transport-independent model so as to allow a variety of implementation-specific technologies to be derived from a single definition. To demonstrate this, the working group will define two technology specific transport mappings: one for SNMP, and one for COPS.

Major SMIng WG Milestones

- Nov 2000 – IRTF documents complete & submitted to IETF
- Dec 2000 – Meet at 50th IETF (Minneapolis)
- May 2001 – WG Last Call on requirements document
- Aug 2001 – Meet at 51st IETF (London)
- Sep 2001 – WG Last Call on core language documents
- Nov 2001 – WG Last Call on mapping documents on SNMP and COPS-PR
- Dec 2001 – Meet at 52nd IETF (Salt Lake City)
- Mar 2002 – Meet at 53rd IETF (Minneapolis ?) and close WG

Current List of SMIng Documents

- SMIng Requirements:
 - [draft-ietf-sming-reqs-00.txt](#)
- Core Language Specification:
 - [draft-ietf-sming-01.txt](#)
- Core SMIng Modules:
 - [draft-ietf-sming-modules-01.txt](#)
 - [draft-ietf-sming-inet-modules-01.txt](#)
- SNMP Mapping:
 - [draft-ietf-sming-snmp-01.txt](#)
- COPS-PR Mapping:
 - [draft-ietf-sming-copspr-00.txt](#)

Pointers

- SMIng WG Charter:
 - <http://www.ietf.org/html.charters/sming-charter.html>
- SMIng WG Mailing List:
 - sming@ops.ietf.org (subscribe via sming-request@ops.ietf.org)
- SMIng WG Chair:
 - [David Durham](#) (Intel)
- SMIng Project Web Site
 - <http://www.ibr.cs.tu-bs.de/projects/sming/>
- SMIng WG Interim Meeting:
 - Seattle (May 18-19)