



> **BUSINESS MADE SIMPLE**

IEEE 802.1ap – MIB

Glenn Parsons
gparsons@nortel.com

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NORTEL



Draft 0.2 for P802.1ap

- > <http://www.ieee802.org/1/pages/802.1ap.html>
- > Proposal by David Levi
- > Draft now contains
 - Front matter boilerplate
 - Clause 1 – 5, Annex A placeholders
 - Clause 17
 - Full reorganization showing .1ag and .1ah inclusion
 - Adaptation of IETF MIB text (structure, relationship & security considerations)
 - New MIB structure tables
 - MIB proposal
 - Re-root to IEEE OID
 - PBB-MIB in .1ah
 - New modules – TC, PB, MSTP
 - Reindexed modules – BRIDGE, P-BRIDGE, Q-BRIDGE, RSTP

Full MIB proposal & clause structure



Table 17.1—Structure of the MIB Modules

Module	subclause	802.1 project	Notes
TC MIB	17.5.1	-	textual conventions for all modules
BRIDGE MIB	17.5.2	802.1D	Adapted from RFC 4188
RSTP-MIB	17.5.3	802.1w	Adapted from RFC 4318
P-BRIDGE MIB	17.5.4	802.1p & 802.1t	Adapted from RFC 4363
Q-BRIDGE MIB	17.5.5	802.1Q & 802.1u & 802.1v	Adapted from RFC 4363
PB-BRIDGE MIB	17.5.6	802.1ad	Initial version in 802.1ap
MSTP MIB	17.5.7	802.1Q	Initial version in 802.1ap
CFM MIB	17.5.8	802.1ag	
PBB-BRIDGE MIB	17.5.9	802.1ah	



802.1ap MIB Issues for discussion

- > What is the IEEE OID root we will use?
 - ISO (1) ISO org (3) IEEE (111) IEEE 802 (xxx) 802.1Q (xxx)
 - iso std(0) iso8802(8802) ieee802dot1(1) ieee802dot1mibs(1) xxx
- > This proposal has the Textual Conventions (TC) in a separate module to simplify cross-module importing.
- > The TC module is IEEE OID rooted, thus consolidating all IEEE 802.1 objects in these modules. As a result, there are no TC imports from the IETF Bridge MIBs.
- > Can we delete some of the legacy features contained in the IETF MIBs? For example, from Q-BRIDGE:
 - ieee8021BridgeBaseType = transparent, sourceroute (removed)
 - ieee8021BridgeTpFdbTable - Transparent bridging FDB (left in)
- > Request review revised conformance sections (especially in the BRIDGE MIB)
- > Request suggestion of Clause 5 conformance text to allow choosing either RFC 4363 MIB or .1ap MIB for enterprise or other legacy systems.