



> **BUSINESS MADE SIMPLE**

IEEE 802.1ap – MIB

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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 Discussed

- > We will use this IEEE OID root, per the RAC & 802b it is:
 - iso (1) iso-identified-organization (3) ieee (111) standards-association-numbered-series-standards (2) lan-man-stds (802) ieee802dot1 (1) ieee802dot1mibs (1) XXX (xxx)
- > Just replace GMRP/GARP/GVRP with MMRP/MRP/MVRP.
- > Maintain 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. This duplication of IETF TCs only makes sense if we feel that there is a chance that we will want to modify these TCs in the future.
- > We should delete the legacy features contained in the IETF MIBs. The editor should make a proposal, but the following from Q-BRIDGE are agreed:
 - 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.



Agree to Initiate TG ballot

- > Email Motion:
- > Given the complete MIB proposal presented in Draft 0.2, move to initiate a Task Group ballot on P802.1.ap Draft 1.0 that will close before the March plenary meeting.
- > Moved by: Glenn Parsons
- > Seconded by: Bert Wijnen