

**IEEE 802.11
Wireless Access Method and Physical Specification**

Proposed Text for Section 7 (Layer Management)

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Background

Layer Management section:

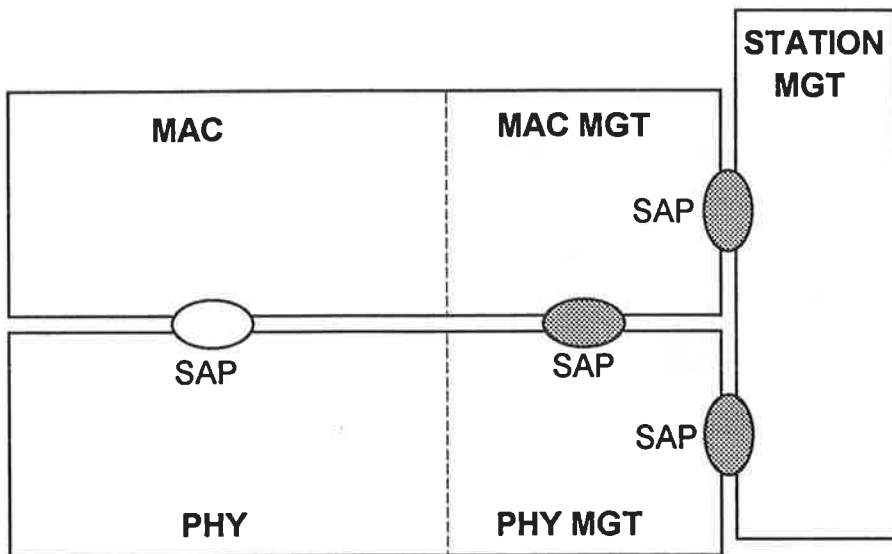
was Section 6 (Draft 1.1), now Section 7 (Draft 1.2)

Section currently has no content

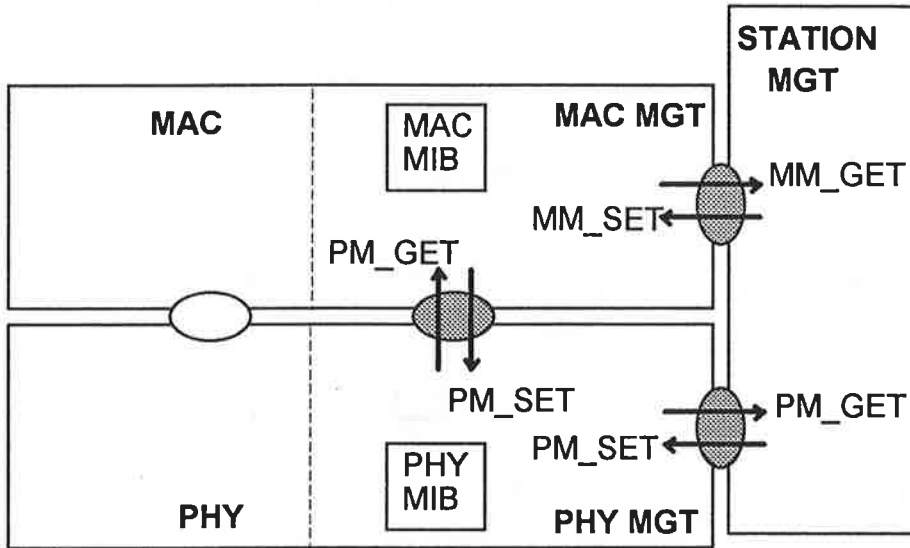
Small group volunteered at Salt Lake City meeting to work on this

Goal: develop basic framework consistent with other sections

Layer Management Entities and Service Access Points



GET and SET Operations



GET/SET.REQUEST and CONFIRM

XX = PM or MM:

XX_GET.request (MIB_parameter)

**XX_GET.confirm (status, MIB_parameter,
MIB_parameter_value)**

XX_SET.request (MIB_parameter, MIB_parameter_value)

XX_SET.confirm (status, MIB_parameter)

Other Primitives

Everything could be represented as MIB operations

May be more natural to represent certain operations with dedicated primitives

- **Example: complex operations involving multiple parameters**

Different PHYs currently take different approaches

Current PHY Management Primitives (Non-MIB)

FH:

Reset, Power, SetChannel

DS:

Reset

IR:

(None)

Reset

Applicable to both MAC and PHY

MM_RESET.request:
MM_RESET.confirm

PM_RESET.request:
PM_RESET.confirm

MAC Management Non-MIB Primitives

MM_SCAN.request (scan_parameters)
MM_SCAN.confirm

MM_POWER_MGT.request (power_mgt_parameters)
MM_POWER_MGT.confirm

Summary: PHY Management SAP Primitives

PM_GET.request

PM_GET.confirm

PM_SET.request

PM_SET.confirm

PM_RESET.request

PM_RESET.confirm

Summary: MAC Management SAP Primitives

MM_GET.request

MM_SCAN.request

MM_GET.confirm

MM_SCAN.confirm

MM_SET.request

MM_POWER_MGT.request

MM_SET.confirm

MM_POWER_MGT.confirm

MM_RESET.request

MM_RESET.confirm

Motion: accept Document 11-95/118 for inclusion in the 802.11 draft.

