



802.17b Technical Decisions

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Frame Format

- SAS frame transmission will always use the extended frame format
 - Implication: a host SAS frames transmission will use extended frames even for local to local transactions. Basic frame format is for non SAS transmissions.
 - 9 / 0 / 0



Frame Format

- SAS learning eligibility:
 - Topology DB method: 2 / 6 / 1
 - Header bit method: 3 / 6 / 0
 - Reserved Group Address method: 8 / 1 / 0



Service Interface

- 802.17b will support SAS or non SAS service on a frame by frame basis
 - 7 / 2 / 0



Service Interface

- An optional parameter `sas_enable` will be defined in `MA_DATA.request` to turn on SAS processing for this frame
 - 9 / 0 / 0



Service Interface

- A MAC configuration variable will be provided to set the default value of the MA_DATA.request “sas_me” parameter (sas/non_sas)
 - if sas_me is not present
 - sas_me = configured_default_sas_me;
 - 9 / 0 / 0



Duplicate MAC in different VLAN

Corner Case



- 802.17b should support the VLAN corner case when SAS is used (and VLAN aware)
 - 9 / 0 / 0
- 802.17b will not support the CCC VLAN corner case when SAS is not used or SAS is used and is VLAN unaware.
 - 9 / 0 / 0
- See presentations mlt_SAS_01.pdf for description of the corner case.



Document Structure

- The initial draft shall follow the document structure as defined by mh_DocStruct_02.pdf
– 9 / 0 / 0



Layering

- The layering in the initial draft will be
 - SAS association database operations as a distinct sublayer (i.e. uses a formal abstract interface to submit/receive frames from the “base RPR MAC”) (e.g. MA_DATA.request/indication, EISS, ISS)
 - Pending for further work / discussion
- The layering in the initial draft will be
 - SAS association database operations as separate state machines
 - 9 / 0 / 0



Ringlet Selection

- The initial draft will use the ringlet selection rules as defined by mh_RingSelect_02.pdf
 - 7 / 0 / 2



Pruning Rules

- The initial draft will include the following pruning options
 - Full Pruning
 - 9 / 0 / 0
 - Optional Partial Pruning by Ring Station Address
 - 9 / 0 / 0
 - Optional Partial Pruning by Ring Station Address + FID
 - 9 / 0 / 0