Base line agreements

- Accept the MLT proposal on flood-scope/cleave point selection used for “SAS Unicast” behaviour (i.e. bidir balanced)
- Accept that SAS multicast (aka multicast scoping) is not bound by the same flood-scope/cleave point selection rules.
- Accept that SAS Multicast frames that do not obey the “SAS Unicast” flood scope should not be considered in the SAS RX learning

Issues

- Desires
  - RC/PJ/MLT
    - Multicast scoping can use basic frame format
- Disputes
  - RC/PJ
    - Do you ever want to learn from a frame which was multicast scoped?

Proposal (PJ)

- Change the SAS transmit state machine to issue a lookup into the multicast address table.
  - If there is a matching entry, then don't extend the frame and pass to ringlet selection (e.g. do not call SasEncodeAddr)
    - Result is that a frame using SAS mcast scope will not have the "SAS Unicast" learn me signature.
  - Leave the current "request SAS" parameters as is, does not directly affect the multicast processing. Regardless of the setting, ringlet selection issues the SAS mcast lookup.
- Change the description of SdbMcastLookup to always use the outer DA, regardless of the value of frame.ef.
  - Works for basic frame format
  - Works for a frame bridged onto the ring, and extended by ringlet selection (I.e. remote SA).
  - Works (I.e. looks at the outer address) for a frame from the client with 4 addresses.
  - Will not attempt to scope SAS unicast flooded (I.e undirected) frames.

PJ Proposal Issues

- Can not learn from mcast scoped frames.
  - Is this required?
  - If so, what for?
- Use cases
  - Mcast scoping for pure point to multipoint
    - No return traffic, so no learning issue
  - Mcast scoping where the stream source has other conversations.
    - Learning is done from the other conversations (e.g. ARP, TCP, etc) where the mcast frames are not scoped and follow the MLT rules.

MLT/RC comments

- RC wants a little extra – will try to bring an updated proposal Thursday