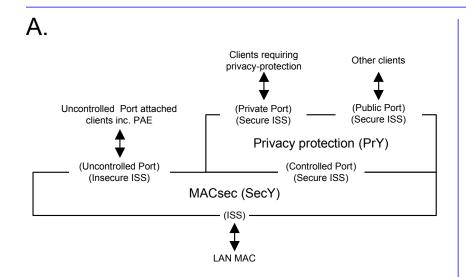
Alternative PrY & SecY client relationships



All MACsec clients
(with or without privacy-protection)

Uncontrolled Port attached clients inc. PAE

(Uncontrolled Port)
(Secure ISS)

Privacy protection (PrY)
(selective by priority or connection identifier sub-parameter)

(Controlled Port)
(Secure ISS)

MACsec (SecY)

A Public Port plus a Private Port?

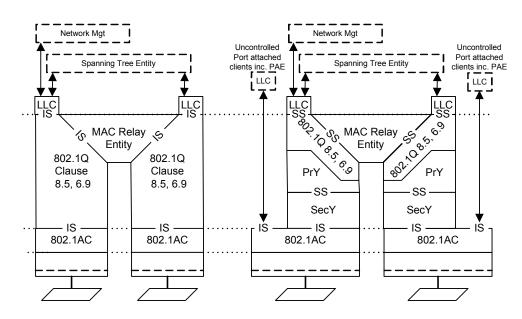
- Support protocols that need MACsec, but not privacy protection.
- Support communication to a protocol entity beyond the peer SecY, but closer than the peer PrY.

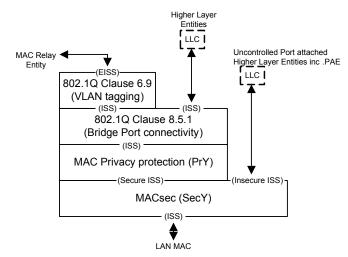
PrY with a single Private client port and privacy protection selected by:

LAN MAC

- User priority (v. simple case)
- ISS connection_identifier subparameter (802.1AC-2016 11.1, see also 802.1CB-2017 6.2)
- B. (Single Private client port) more easily maps to existing controls. Full stream id lookup for the sophisticated case.

MAC Security and Privacy protection in a bridge





IS = Insecure Service (ISS) SS = Secure Service (ISS)

Numeric references in this figure are to 8.5.1 and 6.9 of IEEE Std 802.1Q-2018.

Privacy protection and link aggregation

