



# ATDECC and SRPv1

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# What SRPv1

- Published as IEEE 802.1Qcc-2018 and rolled into IEEE 802.1Q (its in 2022 possibly earlier)
- External control (SRP configuration performed outside of the network)
- Configurable class observation intervals
- More traffic classes (up to 7)
- New enhanced attribute types (TLV based)
- Support for additional traffic shapers

# We already support some of this

- FQTSS control types are set up for all the traffic classes and expose those controls
- GET\_AVB\_INFO has dynamic list of domain mappings

# But it is a problem elsewhere

- ATDECC assumes 2 traffic classes
  - ADP entity\_capabilities has flags for Class A and B Supported
  - Stream descriptor has flags for Class A and B Supported
  - Stream Info has boolean flag indicating Class B (set) or A (unset)
  - ACMP has boolean flag indicating Class B (set) or A (unset)
- ATDECC assumes the default class measurement intervals
  - Option exists as of 1722.1-2021 with the FQTSS\_CLASS\_MEASUREMENT\_INTERVAL control

# What do we need to do?

- Decide on an approach to updating each of the flags
- Decide on an approach to dealing with class measurement intervals
- Decide if we need to support other traffic shapers
- Decide if we need to write an annex describing how to link 802.1Q with ATDECC AEM commands/responses and controls
  - May need this anyway for describing how to make bridges with 1722.1