

Objectives

- 1) Preserve the IEEE 802.3 MAC data service interface
- 2) Preserve the basic frame format
- 3) Maintain the maximum data field length (1500 octets)
- 4) Increase the maximum frame size exclusively for optional prefix and suffix fields in envelope frames
- 5) Redefine the Tagged frame format as an envelope frame format
- 6) At a minimum, support:
 - a) IEEE 802.1Q Virtual Bridged LANs
 - b) IEEE 802.1ad Provider Bridges
 - c) IEEE 802.1AE MACSec
 - d) ITU-T SG15 Ethernet transport encapsulations
- 7) Investigate and define the largest maximum frame size with minimal impact to existing networks and standards