These headers are here to provide targets for cross-references:

11.1 Service primitives and parameters

11.2 Status parameters

11.3 Point-to-point parameters

This is the suggested new header for Clause 12

13. Media Access Method Dependent Convergence Functions

13.1 IEEE Std 802.3 (Ethernet) convergence function

blah, blah, blah

When the IEEE 802.3 convergence function receives an ISS M_UNITDATA.request primitive, it generates a corresponding IEEE 802.3 MA_DATA.request as follows:

a) The ISS M_UNITDATA destination_address~~,~~ and source_address~~, mac_service_data_unit and frame_check_sequence~~ parameters are passed verbatim to the corresponding IEEE 802.3 MA_DATA parameters.

b) IEEE 802.3 requires that transmitted frames have a 64-octet minimum length (IEEE 802.3-2012 clause 3.2.8), including the destination address, source address, mac service data unit, and frame check sequence. An implementation is permitted to add pad octets to the mac service data unit to meet the minimum length requirement, or padding can be left to the IEEE 802.3 MAC. If the mac service data unit begins with an IEEE 802.1Q VLAN tag, an implementation is permitted to add pad octets to the mac service data unit to bring the frame to a total length of up to 68 octets.

NOTE—The purpose of this flexibility is to permit, but not require, an IEEE Std 802.1Q bridge to remove and/or alter pad octets rendered unnecessary when it adds a VLAN tag to a minimum-length frame.

c) If the frame check sequence is included in the M_UNITDATA.request primitive, the value passed to the MA_DATA.request must adjusted to include any added padding (see IEEE Std 802.1Q-2014 Annex G).

d) The ISS M_UNITDATA priority, drop_eligible, service_access_point_identifier, and connection_identifier parameters are ignored.

When the IEEE 802.3 convergence function receives an IEEE 802.3 MA_DATA.indication primitive, it generates a corresponding ISS M_UNITDATA.indication as follows:

e) The IEEE 802.3 MA_DATA destination_address, source_address~~, mac_service_data_unit~~, and frame_check_sequence parameters are passed verbatim.

f) The number of octets of data in the mac service data unit parameter in the M_UNITDATA.indication is either:

1) The Length/Type field of the mac service data unit of the MA_DATA.indication, if the frame makes use of the Length interpretation of the Length/Type field, or

2) The length of the the mac_service_data_unit of the MA_DATA.indication, if the frame makes use of the Type interpretation of the Length/Type field (see Clause 12).

g) The ISS M_UNITDATA drop_eligible parameter is False.

h) The ISS M_UNITDATA priority parameter shall take the value of the Default Priority parameter for the SAM on which the MA_DATA.indication was received. The default value of this parameter is 0. This parameter may be set by management in which case the capability to set it to any of the values 0 through 7 shall be provided.