Release Notes

Document: Ultra Ethernet™ Specification
Version: 1.0.2
Release Date: 01/28/2026
Previous Version: 1.0.1 (Released 09/05/2025)

Overview

This release includes a set of editorial corrections and clarifications to improve the readability and accuracy of the Ultra Ethernet™ Specification v1.0.1, published on September 05, 2025. These updates do not introduce new technical requirements or modify existing normative content.

Summary of Changes

Section	Type	Description of Change
3.6.14.4	Correction	Ensure there is always an MTU worth of credit when establishing a PDC.
3.7.8	Correction	Ensure the pseudocode construction of the 256b SDK key is consistent with reference implementation and endianness.
3.6.14.6	Correction	Ensure credit packets are sent in response to a credit_request when the credit_target is less than or equal to the sender credit_target.
3.6.12.3, 3.6.14.4	Correction	Ensure credit is updated when new data is added to the backlog.
Table 3-46	Clarification	Clarify that when the SPDCID of a NACK packet is set to 0 the NACK payload content is also set to zero.
3.5.10.3	Clarification	Remove redundant Table 3-43 and reference Table 3-60 for SES default response generation. Table number in section 3 after Table 3-43 are appropriately renumbered.
3.5.11.13	Clarification	Clarify that the MP_RANGE value is updated in the **pds.mpr** field of the ACK_CC packet.
3.5.16	Clarification	Clarify that only NOOP and Negotiation CP packets can be transmitted before PDC establishment.
3.5.16.2	Clarification	Clarify that if available, the message ID should be placed in the first 16 bits of the **pds.payload** field
3.6.14.6	Clarification	Clarify that it is not necessary to add a sender to the idle_senders list when credit_target is less than or equal to the sender credit_target.
Table 3-58	Clarification	Clarify that NACK code 0x0 is reserved.
3.7.8	Clarification	Clarify which 96 bits of the PRF output are used for the IVMASK.
Various	Editorial	Correct minor punctuation, spelling, figure labeling and formatting errors.

Impact Statement

The clarification and editorial updates are non-substantive and do not affect protocol behavior, compliance, or interoperability. Correction updates are required for conforming implementations.

Document Version History

Version	Date	Description
1.0	06/11/2025	Initial version.
1.0.1	09/05/2025	Editorial clarifications and correction to the RCCC source algorithm.
1.0.2	01/28/2026	Correction to CMS congestion control algorithms and other editorial clarifications.