USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Training Sub-State Transitions
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:
Removes the requirement to send 4 SLOS when Link is in Gen 3.

Benefits as a result of the changes:
Reduces time and complexity of the Training FSM.

An assessment of the impact to the existing revision and systems that currently conform to the USB specification:
None

An analysis of the hardware implications:
None

An analysis of the software implications:
None

An analysis of the compliance testing implications:
None

USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Actual Change

(a). Table 4-20, page 139
From Text:

Transition	From State	To State	Conditions*
1	LOCK1	LOCK2	• Received 2 SLOS Symbols in a row. • If Gen 2 speed, sent at least 2 complete SLOS1. • If Gen 3 speed, sent at least 4 complete SLOS1. • Receiver completed TxFFE negotiation (i.e. Rx Locked = 1b) .
2	LOCK2	TS1	• Received 2 SLOS2 Symbols in a row . • If Gen 2 speed, sent at least 2 complete SLOS2. • If Gen 3 speed, sent at least 4 complete SLOS2.

To Text:

Transition	From State	To State	Conditions*
1	LOCK1	LOCK2	• Received 2 SLOS Symbols in a row. • If Gen 2 speed, sSent at least 2 complete SLOS1. • If Gen 3 speed, sent at least 4 complete SLOS1. • Receiver completed TxFFE negotiation (i.e. Rx Locked = 1b) .
2	LOCK2	TS1	• Received 2 SLOS2 Symbols in a row . • If Gen 2 speed, sSent at least 2 complete SLOS2. • If Gen 3 speed, sent at least 4 complete SLOS2.