

# USB4 1.0 ENGINEERING CHANGE NOTICE FORM

## Title: Converting NVM Router Operation to Optional Applied to: USB4 Specification Version 1.0

### Brief description of the functional changes:

Convert the NVM Router Operations to be optional.

### Benefits as a result of the changes:

Broaden the design implementation choice by removing unjustified requirement

### 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:

Need to update CTS test 8.014

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## Actual Change

### (a). 8.3.1.2.1 NVM Set Offset

#### 8.3.1.2.1 NVM Set Offset (Conditional)

A ~~Device~~ Router may optionally shall support the NVM Set Offset Router Operation. ~~A Host Router may optionally support this Router Operation.~~

### (b). 8.3.1.2.2 NVM Write

#### 8.3.1.2.2 NVM Write (Conditional)

A ~~Device~~ Router may optionally shall support the NVM Write Router Operation. ~~A Host Router may optionally support this Router Operation.~~

### (c). 8.3.1.2.3 NVM Authenticate Write

#### 8.3.1.2.3 NVM Authenticate Write (Conditional)

A ~~Device~~ Router may optionally shall support the NVM Authenticate Write Router Operation. ~~A Host Router may optionally support this Router Operation.~~

### (d). 8.3.1.2.4 NVM Read

#### 8.3.1.2.4 NVM Read (Conditional)

A ~~Device~~ Router may optionally shall support the NVM Read Router Operation. ~~A Host Router may optionally support this Router Operation.~~

### (e). 8.3.1.2.5 DROM Read

**\*\* Editor Note \*\* - No Change to DROM Read**

#### 8.3.1.2.5 DROM Read (Conditional)

A Device Router shall support the DROM Read Router Operation. A Standalone AIC Host Router shall support this Router Operation. A Platform Integrated Host Router may optionally support this Router Operation.

### (f). 8.3.1.2.6 Get NVM Sector Size

#### 8.3.1.2.6 Get NVM Sector Size (Conditional)

A ~~Device~~ Router may optionally shall support the NVM Sector Size Router Operation. ~~A Host Router may optionally support this Router Operation.~~