



## Customer Information Notification

202101018I : FS6500 and FS4500 Functional Safety Manual Update - ASIL D Rev 3.0

**Note:** This notice is NXP Company Proprietary.

**Issue Date:** Jan 30, 2021 **Effective date:** Jan 31, 2021

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## PCN Overview

### Description

NXP Semiconductors announces a Safety Manual update to Revision 3.0 for the FS6500 and FS4500 ASIL D system basis chip (SBC) products associated with this notification. The revision history included in the updated document provides a detailed description of the changes. Changes are summarized below.

Safety Manual Changes:

1. Document text and image format changes throughout to comply with NXP Semiconductors guidelines.
2. Section 1.4, Table 2: added table title "Safety documentation".
3. Section 5.7.4: added new last paragraph starting with "The release commands?", and a reference to Section 5.4, Table 20.

New FS6500 and FS4500 Safety Manual ASIL D Rev 3.0 can be accessed from NXP's secure DocStore portal: <https://www.docstore.nxp.com/products?path=/content/docstore/product-hierarchy/Power-Management/Safety-SBC/FS4565&folderuuid=76632f59-d57c-493a-8478-d2352e3ea335#paging:currentPage=0|paging:number=12>

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02

### Reason

The Safety Manual has been updated for text / image format, and technical clarifications.

**Identification of Affected Products**

Product identification does not change

**Anticipated Impact on Form, Fit, Function, Reliability or Quality**

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No Impact on form, fit, function, reliability or quality

**Contact and Support**

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**Affected Part Numbers**

MC33FS4500HAE	MC33FS6510LAE	MC33FS4500NAER2	MC33FS6511NAER2
MC33FS4500CAE	MC33FS6510NAE	MC33FS4501CAER2	MC33FS6512CAER2
MC33FS4500LAE	MC33FS6511CAE	MC33FS4501NAER2	MC33FS6512LAER2
MC33FS4500NAE	MC33FS6511NAE	MC33FS4502CAER2	MC33FS6512NAER2
MC33FS4501CAE	MC33FS6512CAE	MC33FS4502LAER2	MC33FS6513CAER2
MC33FS4501NAE	MC33FS6512LAE	MC33FS4502NAER2	MC33FS6513NAER2
MC33FS4502CAE	MC33FS6512NAE	MC33FS4503CAER2	MC33FS6514LAER2
MC33FS4502LAE	MC33FS6513CAE	MC33FS4503NAER2	MC33FS6520CAER2
MC33FS4502NAE	MC33FS6513NAE	MC33FS6500CAER2	MC33FS6520LAER2
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MC33FS4503NAE	MC33FS6520CAE	MC33FS6500NAER2	MC33FS6521CAER2
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MC33FS6500LAE	MC33FS6520NAE	MC33FS6501NAER2	MC33FS6522CAER2
MC33FS6500NAE	MC33FS6521CAE	MC33FS6502CAER2	MC33FS6522LAER2
MC33FS6501CAE	MC33FS6521NAE	MC33FS6502LAER2	MC33FS6522NAER2
MC33FS6501NAE	MC33FS6522CAE	MC33FS6502NAER2	MC33FS6523CAER2
MC33FS6502CAE	MC33FS6522LAE	MC33FS6503CAER2	MC33FS6523NAER2
MC33FS6502LAE	MC33FS6522NAE	MC33FS6503NAER2	
MC33FS6502NAE	MC33FS6523CAE	MC33FS6504LAER2	
MC33FS6503CAE	MC33FS6523NAE	MC33FS6510CAER2	
MC33FS6503NAE	MC33FS4500HAER2	MC33FS6510LAER2	
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