

TOSHIBA

Toshiba Energy Systems & Solutions Corporation

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No. TOS-CR-FPG-2018-0004

December 27, 2018

NRC Project Number: PROJ0729

Document Control Desk
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2738

99902036

References:

- (1) NRC Letter Dated December 20, 2017: Document Quality Supporting Topical Report, "Licensing Topical Report for Toshiba NRW-FPGA-Based Instrumentation and Control system for Safety-Related Application," UTLA 0020P, Revision 0 and Review Status (CAC No. ME9861; EPID: L-2012-TOP-0003)
- (2) Toshiba Letter TOS-CR-FPG-2018-0002 Dated November 9, 2018
- (3) Toshiba Letter TOS-CR-FPG-2018-0003 Dated December 6, 2018

Subject: **Toshiba Response to the NRC Letter Dated December 20, 2017 (Docket No. 99902036)**

The purpose of this letter is to inform the NRC of the documents that has been newly uploaded on the Toshiba Portal by December 27, 2018.

Toshiba Letter TOS-CR-FPG-2018-0002 dated November 9, 2018 (Reference (2)) stated that the seventeen (17) supplemental documents would be uploaded onto the Toshiba Portal.

Regarding the seventeen (17) supplemental documents, Toshiba uploaded six (6) supplemental documents on the Toshiba Portal on December 6, 2018, and Toshiba informed the NRC about it by the Toshiba Letter TOS-CR-FPG-2018-0003 (Reference (3)).

This Toshiba Letter TOS-CR-FPG-2018-0004 informs that the following seventeen (17) documents have been uploaded onto the Toshiba Portal on December 27, 2018. Please note that eleven (11) documents (a through k) are remaining supplemental documents which were addressed in the Toshiba Letter TOS-CR-FPG-2018-0002. Six (6) documents (l through q) are the new revisions of the documents which were uploaded onto the Toshiba Portal on December 6, 2018. One document (l) among the six revised documents needed to be revised to additionally address the updates of an associated document. Other five documents (m through q) were revised to reflect the revision number change of the document (l). A few typos were also corrected in the documents (l, o, and q).

Toshiba appreciates the NRC's review of these uploaded documents.

- a FPG-DRT-C51-0017, Rev. 0, Verification and Validation Final Report (Supplemental)
- b FPG-DRT-C51-0024, Rev. 0, Hazard Analysis Report (Supplemental)
- c FPG-DRT-C51-0027, Rev. 0, Requirements Traceability Matrix Report (Supplemental)

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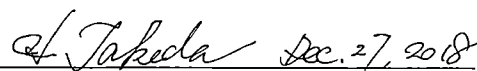
- d FPG-DRT-C51-1001, Rev. 0, Nuclear Instrumentation & Control Systems Department Requirements Traceability Matrix Review Report (Supplemental)
- e FPG-DRT-C51-1002, Rev. 0, Nuclear Instrumentation & Control Systems Department Hazard Analysis Report for PRM System (Supplemental)
- f FPG-DRT-C51-1003, Rev. 1, Nuclear Instrumentation & Control Systems Department Verification and Validation Report (Supplemental 2)
- g FPG-DRT-C51-1004, Rev. 0, Nuclear Instrumentation & Control Systems Department Requirements Traceability Matrix (Supplemental)
- h MEM-JHA-000071, Rev. 0, Nuclear Instrumentation & Control Systems Department Confirmation of OPRM Qualification Testing Records
- i QAS-2018-000185, Rev. 0, Evaluation among procedure revisions and record for the Power Range Monitor
- j FPG-DRT-C51-0007, Rev. 0, Critical Digital Review Report (Supplemental)
- k E2-2018-001141, Rev. 0, Document Review Report (Supplemental)

- l FC51-3704-1119, Rev. 1, Nuclear Instrumentation & Control Systems Department Requirements Traceability Matrix for Safety-Related Oscillation Power Range Monitor (OPRM) (Supplemental)
- m FC51-3704-1120, Rev. 1, Nuclear Instrumentation & Control Systems Department Verification and Validation Report for Oscillation Power Range Monitor (OPRM) (Supplemental)
- n FC51-3704-1121, Rev. 1, Nuclear Instrumentation & Control Systems Department Requirements Traceability Matrix Review Report for Oscillation Power Range Monitor (OPRM) (Supplemental)
- o FC51-3704-1484, Rev. 1, Nuclear Instrumentation & Control Systems Department Software Safety Analysis Report for Safety-Related Oscillation Power Range Monitor (OPRM) (Supplemental)
- p FC51-3704-0007, Rev. 1, Nuclear Energy Systems and Services Division Verification and Validation Report for Oscillation Power Range Monitor (OPRM) (Supplemental)
- q FC51-3704-0008, Rev. 1, Nuclear Energy Systems and Services Division Software Safety Analysis Report for Oscillation Power Range Monitor (OPRM) (Supplemental)

If the NRC has any requests and/or questions, please contact with Jim Powers at 704-548-7910 or by electronic mail at Jim.Powers@toshiba.com.

This letter does not have any proprietary information and can be made public.

Sincerely,

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