

**TOSHIBA CORPORATION**

1-1, SHIBAURA 1-CHOME, MINATO-KU TOKYO 105-8001, JAPAN  
PHONE: +81-3-3457-3734  
FACSIMILE: +81-3-5444-9195

No. TOS-TR-GNL-2008-0015

October 10, 2008

Document Control Desk  
United States Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: Submittal of Toshiba Topical Report of NRW-FPGA-Based Power Range  
Monitor (PRM) System Qualification

Reference: NRC Project Number 729; NRC Docket Number 00000729

Ladies and Gentlemen:

Toshiba is hereby submitting Revision 0 of our Topical Report on our project to describe Toshiba's design, development, peer review, test, qualification, and manufacturing processes for our NRW-FPGA-based power range neutron monitoring system for US nuclear safety-related applications. Toshiba is submitting this topical report under the NRC licensing topical report program for review for referencing in licensing actions. Hereafter, it is our intention to keep the NRC informed of FPGA-based I&C systems through status meetings and submission of supporting information, as required by the NRC.

Enclosed you will find one (1) original of UTLR-0002-P, "Topical Report of NRW-FPGA-Based Power Range Monitor (PRM) System Qualification (PROPRIETARY MARKUP VERSION)" dated October 6, 2008, and one (1) original of UTLR-0002-NP dated October 6, 2008, which is the non-proprietary markup version of this report. Please note that the proprietary document has been marked to show the proprietary material using double brackets ([[ and ]]) and red-brick font, or square enclosure.

Please note that we are submitting both proprietary and non-proprietary versions of the topical report. The attached affidavit, prepared in accordance with 10 CFR Part 2.390(b) and endorsed by an officer of Toshiba Corporation, designates the proprietary version of the topical report, and the proprietary version of the supporting documents, to be Toshiba Proprietary material and requests the NRC to withhold this proprietary information from public disclosure.

T007  
NRR



Should you have any questions regarding this request, please contact Ms. Rossnyev Alvarado at (703) 519-0200 or via e-mail at [ralvarado@mpr.com](mailto:ralvarado@mpr.com), or Mr. Naotaka Oda via e-mail at [naotaka.oda@toshiba.co.jp](mailto:naotaka.oda@toshiba.co.jp).

Sincerely,

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Koichiro Oshima  
Senior Manager  
Plant Project Engineering Department  
Nuclear Energy Systems & Services Division  
POWER SYSTEMS COMPANY  
TOSHIBA CORPORATION

cc: Ms. Stacey Rosenberg, Mr. Eric Bowman, USNRC (w/o enclosures)



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Attachment 1 to Toshiba Letter to NRC Dated October 10, 2008  
(re: Proprietary Information)

**Request for Withholding from Public Disclosure & Affirmation of Affidavit**

Enclosures to this Letter include the documents listed below, which specifically apply to the Toshiba Nuclear Qualification Project and are considered to be proprietary. All of this information and each of these documents are specifically designated as "TOSHIBA PROPRIETARY."

In accordance with 10 CFR Part 2.390(b), it is requested that these documents be withheld in their entirety from public disclosure on the basis of Part 2.390(a)(4). These documents describe Toshiba's design, development, review, test, qualification, and manufacturing processes for NRW-FPGA-based power range neutron monitoring systems for US nuclear safety-related applications. Disclosure of information in these documents would cause substantial harm to the competitive position of the Toshiba Corporation, as there are other competing companies who have or wish to qualify controllers for this safety-related application in nuclear power plants. Competing firms could use this information to benefit their own equipment qualification efforts and/or product design.

I, Koichiro Oshima, being duly sworn upon oath, am a Senior Manager of Plant Project Engineering Department of Toshiba Corporation on whose behalf I am authorized to attest that the contents of the documents listed below are true and correct to the best of my knowledge and belief.

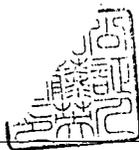
I certify under penalty of perjury that the foregoing is true and correct.

Signed:

A handwritten signature in cursive script, reading "K. Oshima", written over a horizontal line.

Koichiro Oshima  
Senior Manager  
Plant Project Engineering Department  
Nuclear Energy Systems & Services Division  
POWER SYSTEMS COMPANY  
TOSHIBA CORPORATION

14, Oct. '08  
Date



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October 10, 2008

Attachment 1 to Toshiba Letter to NRC Dated October 10, 2008  
(re: Proprietary Information)

DOCUMENTS ENCLOSED (TO BE WITHELD FROM PUBLIC DISCLOSURE PER 2.390)

<u>Item</u>	<u>Document Description</u>	<u>Document Number</u>	<u>Rev</u>
1.	Topical Report of NRW-FPGA-Based Power Range Monitor (PRM) System Qualification (PROPRIETARY VERSION)	UTLR-0002-P	0



Registered No. 1017

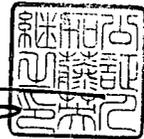
NOTARIAL CERTIFICATE

This is to certify that KOICHIRO OSHIMA has stated in my very presence that the signatures on the attached document are his own.

Dated this 15<sup>th</sup> day of October, 2008.



*Hidetsugu Kato*



HIDETSUGU KATO

Notary

1-1-1 Shimbashi, Minato-ku, Tokyo, Japan  
Tokyo Legal Affairs Bureau.



(1)	平成 20 年 登簿 第 1017 号
(2)	認 証
(3)	添付書面の作成者である 株式会社東芝 原子力技術部
(4)	部長 大嶋浩一郎 は、本職に対し、その署名を自認する
(5)	旨、陳述した。
(6)	
(7)	
(8)	
(9)	以上のおり認証する。
(10)	平成 20 年 10 月 15 日 本職役場において
(11)	東京都港区新橋 1 丁目 1 番 1 号
(12)	東京法務局所属
(13)	公証人 <b>加藤 英祐</b> 
(14)	Hidetsugu Kato
(15)	
(16)	
(17)	
(18)	
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(20)	