

From: John Smith
To: Getachew Tesfaye
Date: 1/8/2008 4:42:33 PM
Subject: SPM Audit note

Getachew,

Attached is a note on the Software Program Manual audit on 19 December 2007. You may use it as a trip report or modify it accordingly.

Additionally, Bill Kemper had suggested writing a letter to file on the referenced TXS topical to make sure future reviewers and others not involved in our communications on these issues be informed when referencing the TXS topical. A lead hasn't been identified.

Best regards,

John Smith

Mail Envelope Properties(4783EE48.CE8 : 8 : 13212)

Subject: SPM Audit note
Creation Date 1/8/2008 4:42:32 PM
From: John Smith

Created By: jms7@nrc.gov

Recipients

nrc.gov
TWGWPO02.HQGWDO01
GXT2 (Getachew Tesfaye)

Post Office

TWGWPO02.HQGWDO01

Route

nrc.gov

Files	Size	Date & Time	
MESSAGE	978	1/8/2008 4:42:32 PM	
TEXT.htm	812		
AREVA SPM 19 December 2007 Audit Report.doc			29696
		1/8/2008 4:37:38 PM	

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
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Concealed Subject: No
Security: Standard

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Audit Report
AREVA NP Topical Report: Software Program Manual
EPR Projects Branch
8 January 2008

On 19 December, 2007, NRC staff from the offices of NRR and NRO conducted an audit of documentation related to AREVA's EPR Software Program Manual (SPM) topical report. The audit was located at AREVA's Bethesda, Maryland office at 4800 Hampden Lane, Suite 200. The Audit was scheduled from 8:30 AM to 3:30 PM.

NRC staff in attendance included:

NRO: Getachew Tesfaye
John Smith
Joseph Colaccino
Terry Jackson
Norbert Carte
Michael Canova

NRR: William Kemper

AREVA personnel included:

Ronda Pederson
Shelby Small
Ronnie Gardner
Brian A. McIntyre
Mark Burzynski
Dr. Steffen Richter
Sandra M. Sloan
Vic Fregonese
Sean Kelley

During the audit, the following documentations were made available:

1. AREVA NP document 51-9047411-000, "Alignment of the TXS System Application Software Program, as described in the Software Program Manual, with Branch Technical Position HICB-14"

2. Operating Instructions (OI) associated with the SPM:

OI-1457, "TELEPERM XS Software Quality Assurance Plan"
OI-1592, "Software Operations and Maintenance Plan"
OI-1578, "TELEPERM XS Software Safety Plan"
OI-1459, "TELEPERM XS Software Verification and Validation Plan"
OI-1460, "TELEPERM XS Software Configuration Management Plan"
OI-1456, "TELEPERM XS Project Phase"
OI-1583, "Software Library and Control"
OI-1589, "TELEPERM XS Cyber-Security"
OI-1593, "TELEPERM XS Graphic Service Monitor"
OI-1591, "TXS System - Requirements Traceability Matrix"
OI-1577, "Configuration Control Using the Open Items List"
OI-1458, "TELEPERM XS System Problem Reporting"
OI-1547, "Customer Training"
OI-1548, "Training Analysis and Design"
OI-1549, "Exam Bank Development and Maintenance"
OI-1550, "Lesson Plan and Lab Guide Development and Maintenance"
OI-1551, "Training Implementation" - proscribes the use of Kirkpatrick
OI-1552, "Program Evaluation"
OI-1553, "Instructional Skills Training"
OI-1554, "Records"

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NRC Staff made the following findings:

1. A PowerPoint slideshow from development of the Teleperm XS platform (TXS) was presented by AREVA during the audit to give a historical perspective on the background of the SPM. AREVA stated during that presentation that SIVAT was the simulation tool referenced, but not named, in the original TXS topical report. AREVA also stated they will revise the response to RAI question No. 1 to clarify this point.
2. During the audit, AREVA stated that the original TXS topical report contained requirements for application development, and that those requirements must be met. AREVA's responses to RAI questions No. 2 and 60 read differently and should be revised.
3. AREVA NP document 51-9047411-000, "Alignment of the TXS System Application Software Program, as described in the Software Program Manual, with Branch Technical Position HICB-14." was referenced in response to RAI question No. 6. It states that the scope of the SPM addresses only software development plans and does not address that evaluation of following the plans or the evaluation of the acceptability of the design outputs. This clarifies the staff's understanding of the scope of the Software Program Manual topical report.
4. AREVA additionally indicated that they would review the OIs for conformance to the SPM.