

April 13, 2010

MEMORANDUM TO: Eric Bowman, Acting Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

FROM: Jonathan Rowley, Project Manager **/RA/**  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE JANUARY 14, 2010, CATEGORY 2 PUBLIC MEETING (WITH PORTIONS CLOSED) BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ROLLS-ROYCE CIVIL NUCLEAR SAS TO KICK OFF THE REVIEW OF THE SPINLINE 3 DIGITAL SAFETY INSTRUMENTATION AND CONTROL PLATFORM TOPICAL REPORT (TAC NO. ME1736)

On January 14, 2010, a Category 2 public meeting (with portions closed) was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Rolls-Royce Civil Nuclear SAS (RRCN) at One White Flint North, Conference Room O-7B6, 11555 Rockville Pike, Rockville, MD 20852, to initiate (kick-off) the technical review of the RRCN SPINLINE 3 Digital Safety Instrumentation and Control Platform (SPINLINE 3) topical report (TR). A list of meeting attendees is enclosed and the meeting agenda dated December 30, 2009 is available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML093620893.

Following the introductions and opening remarks, the RRCN staff presented an introduction and background of RRCN; discussing the RRCN history, the RRCN business units, and the US delivery of SPINLINE 3 (slides in ADAMS at ML100120629). The RRCN staff then provided an overview of the SPINLINE 3 generic licensing submittal; discussing the SPINLINE 3 licensing strategy and the list of documents to be submitted (slides in ADAMS at ML100120633). The RRCN staff continued the meeting by presenting an overview of SPINLINE 3; discussing evolution of the SPINLINE 3 product line, the SPINLINE 3 installations throughout the world, the general characteristics of SPINLINE 3, and Class 1E/Non-Class 1E hardware and software (slides in ADAMS at ML100120640). The RRCN staff next presented information on the SPINLINE 3 platform dedication; discussing dedication guidance, dedication procedure and plan, and the dedication report (slides in ADAMS at ML100120643).

The meeting was halted and members of the public were asked to leave the room so that proprietary information could be discussed. There were no members of the public in attendance.

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301-415-4053

The closed portion of the meeting began with the RRCN staff presenting an overview of the SPINLINE 3 Qualification; discussing the equipment qualification plan, timeline for qualification testing, specific hardware qualification testing, the qualification test specimens, test specimen application program and software qualification, and qualification documentation (non-proprietary version of the slides in ADAMS at ML100120655). The RRCN staff continued with a presentation on the SPINLINE 3 software components, software tools, and software development process (non-proprietary version of the slides in ADAMS at ML100120663). The RRCN staff concluded the meeting by presenting information on SPINLINE 3 technology; discussing the RRCN NERVIA safety network and testability of that network (non-proprietary version of the slides in ADAMS at ML100120668).

#### Follow-up Actions

In response to the RRCN presentation, the following RRCN follow-up actions were identified.

1. RRCN will formally submit additional documents on platform software that the NRC staff needs in order to commence the acceptance review of the SPINLINE 3 TR. (This action was completed on February 2, 2010.)
2. RRCN will formally submit additional documents on equipment qualification, quality, and dedication for the SPINLINE 3 TR within 12 months of the requested approval date.

Project No.: 773

Enclosure:  
List of Attendees

cc w/encl: See next page

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| OFFICE | PLPB/PM | PLPB/LA               | EICB/BC | PLPB/BC | PLPB/PM |
|--------|---------|-----------------------|---------|---------|---------|
| NAME   | JRowley | DBaxley (EHylton for) | WKemper | EBowman | JRowley |
| DATE   | 3/31/10 | 3/31/10               | 4/8/10  | 4/12/10 | 4/13/10 |

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Memo to Eric E. Bowman from J. Rowley dated April 13, 2010

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**List of Attendees for Partially Closed Meeting with Rolls-Royce Civil Nuclear  
To Kickoff the review of the SPINLINE 3 Digital Safety I&C Platform**

**January 14, 2010**

| <b>Name</b>       | <b>Organization</b>                      | <b>Phone</b> | <b>Email</b>   |
|-------------------|--|--------------|--|
| Jonathan Rowley   | NRC/NRR/DPR/PLPB                         | 301-415-4053 | <a href="mailto:jonathan.rowley@nrc.gov">jonathan.rowley@nrc.gov</a>                           |
| Subinoy Mazumdar  | NRC/NRR/DE/EICB                          | 301-415-2904 | <a href="mailto:sxm3@nrc.gov">sxm3@nrc.gov</a>   |
| Norbert Carte     | NRC/NRR/DE/EICB                          | 301-415-5890 | <a href="mailto:norbert.carte@nrc.gov">norbert.carte@nrc.gov</a>                               |
| William Kemper    | NRC/NRR/DE/EICB                          | 301-415-7585 | <a href="mailto:william.kemper@nrc.gov">william.kemper@nrc.gov</a>                             |
| Daniel Santos     | NRC/NRR/DE/EICB                          | 301-415-7664 | <a href="mailto:daniel.santos@nrc.gov">daniel.santos@nrc.gov</a>                               |
| Stephen Alexander | Information Systems<br>Laboratory (ISL)* | 301-255-2289 | <a href="mailto:salexander@islinc.com">salexander@islinc.com</a>                               |
| Doug Peckham      | ISL                                      |              |  |
| Henner Wapenhans  | RRCN                                     | 703-621-2894 | <a href="mailto:henner.wapenhans@roll-royce.com">henner.wapenhans@roll-royce.com</a>           |
| Donald Hoffman    | RRCN (consultant)                        | 301-984-4400 | <a href="mailto:donaldd@excelservices.com">donaldd@excelservices.com</a>                       |
| Jerry Mauck       | RRCN (consultant)                        | 301-596-9334 | <a href="mailto:jerrymauck@verizon.net">jerrymauck@verizon.net</a>                             |
| David Herrell     | RRCN (consultant)                        | 703-519-0512 | <a href="mailto:dherrell@mpr.com">dherrell@mpr.com</a>   |
| Claude Esmenjaud  | RRCN                                     | 33-476611597 | <a href="mailto:claud.e.smenjaud.cn@rolls-royce.com">claud.e.smenjaud.cn@rolls-royce.com</a>   |
| Julien Bach       | RRCN                                     | 33-476611456 | <a href="mailto:julien.bach.cn@roll-royce.com">julien.bach.cn@roll-royce.com</a>               |
| Peter Lobner      | Data Systems and<br>Solutions, LLC.      | 301-343-4401 | <a href="mailto:peter.r.lobner@ds-s.com">peter.r.lobner@ds-s.com</a>                           |
| Sylvain Bazinette | RRCN                                     | 33-476611590 | <a href="mailto:sylvain.bazinette.cn@rolls-royce.com">sylvain.bazinette.cn@rolls-royce.com</a> |
| Pascale Baranek   | RRCN                                     | 33-476611551 | <a href="mailto:pascale.baranek.cn@rolls-royce.com">pascale.baranek.cn@rolls-royce.com</a>     |

\* NRC contractor

Enclosure