



DRS Consolidated Controls, Inc.  
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DRS-2011-0520  
August 10, 2011

Document Control Desk  
US Nuclear Regulatory Commission  
Washington, DC 20555

Subject: Topical Report Pre-submittal Power Point Presentation –  
PLμS 32™ Topical Report Submittal Meeting

Reference: NRC Project Number 778

Ladies and Gentlemen:

This letter is being provided to the NRC so that DRS-Consolidated Controls, Inc. (DRS-CCI) can complete the Phase 0 meeting process and submit the Topical Report detailing the PLμS 32 Digital Control System for use in safety-related applications at nuclear power plants.

DRS-CCI has scheduled a meeting with the staff at your facilities in Rockland, MD on August 18, 2011. The suggested agenda for this meeting is as follows:

- Greetings
- Introductions
- Phase 0 Meetings
- Topical Report Status
- Submittal Requirements
- Process

Participants from DRS-CCI will include the following personnel:

- David Kulp Senior Programs Manager
- Craig Swanner Project Engineer MPR Associates

This letter is transmitting the DRS-CCI Power Point Presentation for the planned meeting. Enclosed you will find a copy of PLμS 32™ Topical Report Submittal Meeting.

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If you have any questions or comments regarding this response, please contact the undersigned at (203) 731-9506 (DKulp@DRS-DS.com).

Sincerely,

A handwritten signature in black ink, appearing to read "DKulp", written over a horizontal line.

David A. Kulp  
Senior Programs Manager  
21 South Street  
Danbury, CT 06810  
203.731.9506  
DKulp@DRS-DS.com

cc: Mr. John Jolicoeur, Mr. Andrew Hon, USNRC (w enclosures)

Attachment:  
001 PLμS 32™ Topical Report Submittal Meeting

**PLμS 32™ Topical Report  
Submittal Meeting**

**U.S. Nuclear Regulatory Commission**

**Project Number: 778**

**August 18, 2011**

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# Agenda



- Phase 0 Meetings
- Topical Report Status
- Submittal Requirements
- Process

## Phase 0 Meetings



- First Contacted NRC April 2008
  - Presented Plμs 32 System In General Overview
  - Revised Topical Report To Include Recommendations
- Started Phase 0 Meetings With NRC September 2009
  - Presented Plμs 32 System In General Overview
- Follow Up Meeting With NRC December 2009
  - Completed Plμs 32 System In General Overview
  - Feed Back Provided Required A Meeting To Discuss Plμs 32 System Communications
- Communication Meeting With NRC June 2010
  - Presented how PLμS 32 System met DI&C ISG 04

## Topical Report Status

### Phase 0 Meeting Lessons Learned



- Develop Generic Plans vs. Project Based
- Provide Road Map of Project Documents
- Discuss Dedication Process of Equipment Spares
- Equipment Obsolescence and redesign process
- Communications
  - Protocols, protections,
  - Safety Division to Safety Division
  - Safety System to Safety System
  - Safety to Non-Safety
- Security
  - Installed Equipment Security
    - Hardware and Software
  - Development Security

## **Topical Report Status**

### **Phase 0 Meeting Lessons Learned**



- Areas where NRC would like detailed descriptions of Plus 32 System
  - Redundant Power Supply Loading
  - Software Usage On Modules
  - Plus 32 System Diagnostics
  - Plus 32 System Application Testing and Bypasses
  - System Failure Response
  - Timing and Deterministic
- DI&C ISG 06 & LIC-500
- Compliance Matrices
  - IEEE 603-1991
  - IEEE 7-4.3.2-2003
  - DI&C ISG 04, Rev. 1
  - DI&C ISG 06, Rev. 1

# Submittal Requirements



- Required to Provide
  - Proprietary Hard Copy
  - Non-Proprietary Hard Copy
  - Electronic Copy in PDF
    - Necessary
    - Acceptable?
    - Requirements for PDF defined
- Electronic Copy (CDROM) of Proprietary References vs. Hard Copy?



- Submittal
- Acceptance Review
- Accept for Review Letter from NRC
- Schedule Review
- Review
- Request For Information and Response Submittal
- Possible Site Visit
- Safety Evaluation Report for Plus 32 System