

## NRR-DMPSPeM Resource

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**From:** Archambo, Neil G <Neil.Archambo@duke-energy.com>  
**Sent:** Tuesday, April 18, 2017 2:54 PM  
**To:** Morton, Wendell; 'FREGONESE, Victor'; Rahn, David  
**Subject:** [External\_Sender] RE: List to Inform RIS Development

Agreed – We need to gain a good understanding and agreement of the scope of SSCs the RIS will apply to.

Neil

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**From:** Morton, Wendell [<mailto:Wendell.Morton@nrc.gov>]  
**Sent:** Tuesday, April 18, 2017 2:49 PM  
**To:** 'FREGONESE, Victor'; Rahn, David; Archambo, Neil G  
**Subject:** RE: List to Inform RIS Development

Vic, Neil,

Thanks for putting this together. I recommend that if its not a problem with either of you, that we have this discussion regarding these systems during Thursday's public meeting. Its important for the staff to get a firm understanding of the target(s) for this RIS clarification. We can always adjust the agenda.

*Wendell Morton*

Electronics Engineer  
Instrumentation, Controls, and Electronics Engineering Branch (ICE)  
Office of New Reactors(NRO)  
U.S. Nuclear Regulatory Commission  
301-415-1658(Office)  
301-415-5160(Fax)  
Mail Stop: T07-E18M  
[Wendell.Morton@nrc.gov](mailto:Wendell.Morton@nrc.gov)

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**From:** FREGONESE, Victor [<mailto:vxvf@nei.org>]  
**Sent:** Tuesday, April 18, 2017 1:14 PM  
**To:** Morton, Wendell <[Wendell.Morton@nrc.gov](mailto:Wendell.Morton@nrc.gov)>; Rahn, David <[David.Rahn@nrc.gov](mailto:David.Rahn@nrc.gov)>; [Neil.Archambo@duke-energy.com](mailto:Neil.Archambo@duke-energy.com)  
**Subject:** [External\_Sender] List to Inform RIS Development

*Wendell and Dave,*

*Neil and I have been working with our industry team to assess areas where digital upgrades are likely to be performed under 50.59, or are already being performed under 50.59.*

*We are providing this to you to inform your efforts in developing the new 2017-xxx RIS.*

*We thought that providing you with this list would be more useful than trying to define a “scope” for the RIS. We believe the “applicability” of the RIS should be consistent with the applicability of the 50.59*

*process with regard to SSCs, which are those which have a UFSAR described design function (Important to Safety). So, the list below is provided in that context.*

*We would like to dialogue on this list in a future public meeting.*

*Systems subject to upgrades under 50.59:*

- *All SSCs traditionally classified as non-safety related in the UFSAR (Note: This applies to non-safety SSCs that have a UFSAR described design function)*
- *The following SSCs traditionally treated as Safety Related in the UFSAR*
  - *EDG controls (governor, voltage regulator, and support systems)*
  - *EDG Load Sequencers*
  - *Auxiliary/Emergency Feedwater System Controls*
  - *Charging/Safety Injection*
  - *Service Water Systems*
  - *Essential Bus Protective Relaying*
  - *Reactor Coolant Pump Under-Voltage/Under-Frequency Protective Relaying*
  - *Switchyard Protective Relaying (safety related at Oconee)*
  - *Breakers*
  - *Inverters*
  - *HVAC Systems*
  - *PAM Recorders/Indicators*
  - *Control Board Indicators*
  - *Limited Changes To RPS/ESFAS/SSPS (individual card/module changes, end actuating devices, field input devices, changes that fall under the EQIV change process)*
  - *Timing Relays*
  - *Pressure/Flow Transmitters*
  - *Nuclear Instrumentation (Source, Intermediate, and Power Range)*
  - *Radiation Monitors*

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**From:** Archambo, Neil G

**Created By:** Neil.Archambo@duke-energy.com

**Recipients:**

"Morton, Wendell" <Wendell.Morton@nrc.gov>  
Tracking Status: None  
"FREGONESE, Victor" <vxf@nei.org>  
Tracking Status: None  
"Rahn, David" <David.Rahn@nrc.gov>  
Tracking Status: None

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