

## MP3 Schedule

Task	Resource	Due Date	Complete	Comment
<b>IAP Rev 2 Schedule for MP#3 Acceptance of Digital Equipment</b>				
1. Public Meeting to discuss resolution of RIS 2016-05 public comments.		4/6/2016	4/6/2016	
2. Issue RIS 2016-05.		4/29/2016	4/29/2016	
3. Obtain public comments on DG-1292.		9/30/2016	9/30/2016	
4. Stakeholder interaction to discuss proposed use of standards and third party process "certifiers"		11/3/2016	11/3/2016	
5. NEI provide a revision to the "Digital Device Procurement" white paper (appendix C from the April 22, 2016 NEI submittal) to further clarify objectives, terminology and incorporate discussion points from the November 3, 2016 public meeting.		2/16/2017	2/16/2017	
6. Assess results of stakeholder information gathering and examine potential approaches for reviewing and endorsing additional EPRI guidance related to CGD.		2/16/2017	2/16/2017	
7. EPRI to confirm and communicate scope and schedule for EPRI research. NRC and industry reach mutual agreement on acceptability and sufficiency for this purpose. EPRI research begins.		2/16/2017	2/16/2017	
8. NRC/stakeholder regular interactions to discuss progress and course adjustments as necessary		CY 2017		
9. Issue RG-1.164 (DG-1292) "Dedication of Commercial-Grade Items for Use in Nuclear Power Plants".		5/31/2017	6/1/2017	
10. NRC will monitor EPRI's investigative and research activities to evaluate third party process "certification" for digital equipment.		CY 2017		
11. EPRI publish research results		11/15/2018		
12. Schedule development and production of a final product (RG) for NRC endorsement of third party certification guidance		CY 2018		
13. Complete analysis and develop recommendations regarding third-party process "certification" working with stakeholders.		9/1/2018		
14. NRC staff performs audits of SIL certification organizations and accrediting entities		9/2018-11/2019		
15. NRC formally enters NEI 17-06 into the Regulatory Guide development process (if decision is made to endorse)		12/1/2019		
<b>** Draft Timeline for NEI 17-06 Creation (based on NEI 14-05 OE) **</b>				
Public meeting informing intent to develop and submit NEI 17-06, rev. 0	NEI	6/30/2017	6/8/2017	T-24: MP3 Public Meeting
Initiate draft of NEI 17-06, rev. 0	NEI	8/29/2017	8/11/2017	T-22: Draft Table of Content & Intro created
EPRI publish research results	EPRI	11/15/2018		T-15, was 3/31/18
Letter to NRC informing them of industry's intent to seek endorsement of NEI 17-06, rev. 0	NEI	4/22/2018		T-14
Submit NEI 17-06, rev. 0 to NRC for review	NEI	3/29/2019		T-12, was 6/30/18
Issue RAIs for NEI 17-06, rev. 0	NRC	9/29/2018		T-9, need NRC input
NEI to assess IAEA activities to inform our work and modify NEI 17-06, rev. 0 accordingly	NEI	11/29/2018		T-7
Respond to NRC RAIs and re-submit revised NEI 17-06, rev. 0	NEI	11/29/2018		T-7, re-establish based on preceeding tasks
Issue SER on NEI 17-06, rev. 0	NRC	5/30/2019		T-1, re-establish based on preceeding tasks
Publish NEI 17-06, rev. 0 including NRC SER	NEI	6/30/2019		T-0, re-establish based on preceeding tasks
<b>** More Detailed Schedule of Activities Between Public Meetings **</b>				

MP3 Schedule

<i>Task</i>	<i>Resource</i>	<i>Due Date</i>	<i>Complete</i>	<i>Comment</i>
NRC Public Meeting October 12, 2017				

Project Consensus Agreements

No.	Consensus Agreements	Meeting Date	Comment
1	NEI team agree that referencing the EPRI research report in NEI 17-06 is the preferred approach as opposed to extracting or copying selected portions.	8/10/2017	8/15: During drop-in with Dinesh, he agreed with this approach.
2	Tentatively agreed that the title of NEI 17-06 should be "Supplemental Guidance for Acceptance of Digital Equipment using 3rd Party Certification". Discussed that "validating dependability" is our core goal while "acceptance" leaves the door open.	9/1/2017	
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Action Items

No.	Action	Assigned to	created	due date	Complete	Comment
1	NEI to clarify language in the NEI 1-page summary regarding how EMI/RFI would be addressed relative to SIL certification... except to the extent that it's addressed by IEC 61508 certification. Dean noted that this is addressed very generically in the 3rd bullet under Desired Outcome, but can/should be more direct. Wes noted that during the last App D mtg EMC continued to be a sticking point but NRC staff finally backed off and agreed it's addressed in evaluation guidance satisfactorily. It remains to be seen if EMC is, or is not addressed in NEI 16-16 (like all else that was in NEI 01-01).	D Mundy	6/8/2017	10/12/2017	9/27/2017	Per Warren e-mail on 8/24... It appears the EMC issue is now closed per NRC Mtg Summary from June 21 on Appendix D (ML17137A314): "...it was agreed the topic was addressed in evaluation guidance"  Update for next public mtg.  9/27: DM produced draft & routed for comment.
2	NEI to provide NRC staff with the NEI 17-06 timeline base on the NEI 14-05 timeline as template	M Richter	6/8/2017	10/12/2017		8/10: See Dean's e-mail notes from 8/10 team call for recommended TOC updates. 9/1: See Schedule tab for updated dates 9/27: DM updates to Schedule tab. Produced pdf for review by team.  To be discussed at next monthly call and presented at next public mtg
3	NEI to develop an outline for the NEI guidance document (Table of Contents) for discussion at the next public meeting - this should initially include the strategy. Needs to think through how used in the context of 106439. To what extent does 17-06 need to include or reference any EPRI language.	M Richter	6/8/2017	10/12/2017		8/10: Mark provided a draft. See Dean's e-mail notes from 8/10 team call for recommended TOC updates.  To be discussed at next monthly call and presented at next public mtg
4	NRC staff to attempt to provide NEI with DOE contacts. This was a result of an NRC staff member mentioning that DOE uses NQA-1 for their basis of accepting safety critical COTS applications and SIL certification for less safety critical applications. Dave H got an e-mail from Jerud wanting to set up a conf call with the DOE. Dave will forward the e-mail to Dean. Dean will follow up with Jerud.	D Mundy	7/7/2017	10/12/2017		9/22 - Dean to follow up with Dinesh and Jaerud to see if there are any other DOE contacts to follow up with.
5	Decide on NEI 17-06 Name: "Supplemental Guidance for Acceptance of Digital Equipment using 3rd Party Certification"	D Mundy	8/10/2017	10/12/2017	Complete	8/10: Team decided tentatively on "Supplemental Guidance for Acceptance of Commercial Grade Digital Equipment for Safety Applications Using 3rd Party Certification" Andy then suggested: "I thought about the name of NEI 17-06 after the call, and I would like to propose: "Guidance for Validating Dependability of Digital Equipment using 3rd Party Certification". I like this name because it gets at the heart of what I think our goal is, determining acceptability of the "dependability" critical characteristics (as defined by EPRI TR-106439 and the newer versions of IEEE 7-4.3.2 in terms of commercial grade dedication), without specifically mentioning commercial grade dedication." 8/23: based on comments received... in the updates to the IAP, Dean used the title ""Supplemental Guidance for Acceptance of Digital Equipment using 3rd Party Certification"
6	Document the technical facts that we need from the EPRI research to support the positions we intend to take. Matt requests that we evaluate this and let him know.	TBD	8/10/2017	10/31/2017		EPRI research to be published March 2018. Discuss at Oct 5 meeting - confirm date and assignee.
7	AFCEN / RCC-E: Alex Wigg from EdF is willing to collaborate with us. For the past few years they (AFCEN including EdF) "have been working on a new method which will allow us to greatly accelerate this process for equipment that has been independently certified according to IEC 61508". And... "This new approach is published in the RCC-E, which stands for (in English) : Design and construction rules for electrical and I&C systems and equipment." Dave and Dean met with Alex at the June 2017 ANS NPIC-HMIT conference. a. Coordinating with Alex is on Dave's list of to-do's but not high on the priority list. There is an EPRI interest to dig further. b. Dean to reach out to Matt Gibson to see if EPRI has access to the 2016 version of RCC-E.	D Mundy	7/7/2017	10/31/2017		
8	Selectively add key members to the MP3 team, preferably licensees. Preferred candidates include Gus Grosch (Duke), Al LaFleur (NextEra), and Andy Nack (ATC).	D Mundy	7/7/2017	9/30/2017	8/13/2017	8/8: Andy started. Al is checking with his mgmt. Gus is not able to support and Neil is looking for another Duke candidate. Dean will reach out also to Exelon and Southern.  8/13: Al confirmed mgmt approval. Concluded that the team is sufficiently staffed at least for now... to be evaluated as we begin work on NEI 17-06.
9	Need volunteers to draft / own sections of NEI 17-06 * Warren agreed to draft the introduction section	TBD	8/10/2017	TBD		8/10: Sections that may map to the EPRI report are 2.1, 3., and 6.1 Discuss at Oct 5 meeting - confirm date and assignee.
10	IAEA Scope and Schedule - confirm if Ron participating.	R. Jarrett	9/1/2017	TBD		
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Action Items

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## Open Items

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