

NPEC SC-4 Working Group 4.5 IEEE 690  
Meeting Minutes July 28, 2014

1. Chairman, Bob Stark, called the meeting to order at 2:00 PM.
2. Attendance (■ – present, A – absent, S – absent with substitute)

A	Brock, Duane
■	Carter, John (Jack)
■	Casalaina, Richard
■	Fletcher, Robert
A	Thompson, Bo
A	Ray, Sheila
A	Depriest, Doug

A	Hutchins, Steven
A	Mallanda, John
■	Stark, Robert (Bob)
A	Graham, Steven
A	Merando, John
A	Thakur, Sudhir

3. Draft standard (D2) with updated references and comments from John Merando was submitted to members for review. Some minor editorial changes were agreed to. Section 6 title is to remain “Electrical Segregation” and add section “d” to 6.2 for electrical segregation discussion.
4. A P690 status update was presented at the SC4 13-2 meeting.
5. Action Items were reviewed and updated as follows:

1 - Risk Informed Safety Classification and its applicability to new designs	Complete - After discussion, this was determined to not be added to the scope of 690 as 690 is primarily a reference to other standards for Class 1E cable systems only.
2 - Environmental applications, design attribute for the cables such as EMI, RFI interferences(section 6)-Bo Thompson	See item #7
3 - Update all references-Rich Casalaina	Complete
4 - Update all the definitions since IEEE 100 has been withdrawn-Bob Fletcher	Complete - Changed reference to IEEE Standards Dictionary
5 - Shielding Requirements(section 8)-Doug Depriest	See item #7
6 - Acceptance Testing of Installed Cables(section 13)-Doug Depriest	See item #7
7 - Contact B. Thompson and D. Depriest regarding items 2,5,6-Bob Stark	Complete – Per discussion at the 13-2 meeting, sections 6 and 8 discuss practices to limit effects from EMI/RFI. Added condition monitoring to section 13.
8 - Obtain comments from previous 690 ballots-Bob Stark	Complete – Comments could not be obtained from IEEE.
10 - Review DG 1240 for applicability to 690 (SC-4 Action Item 539)-All	Complete - Scope of 690 is design and installation of 1E Cable Systems, while the DG is for a condition monitoring program.

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11 - Review 690 sections 1,2,3,5 for update- Rich Casalaina	Complete, comments incorporated
12 - Review 690 sections 4,7 for update- Sudhir Thakur	Complete, comments incorporated
13 - Review 690 sections 9,10,11 for update- Jack Carter	Complete, comments incorporated
14 - Review 690 sections 12,14 for update- Bob Fletcher	Complete, comments incorporated
15 - Review IAEA Electrical Safety Guide for applicability to 690 (SC-4 Action Item 547)- All	Complete, Review of Safety Guide did not find items specific to 690

6. Meeting was adjourned at 2:30 PM.