

2016 Electrical Rating Sheet

Reviewer: Combined List

(5 is highest)

ID#	Title	Submitter	Staff Liaison	Document	Technical Relevance	Problem Magnitude	AVERAGE			Total		Comments
							Sense of Urgency	Likelihood of Success	Strategic Agenda			
1601	Numerical Simulation and Computerized Electrical Models of the Person Immersed in Water	Massimo Mitolo, Fabio Feschi	Larry Russell	303	3.3	3.2	3.3	3.1	2.8	15.7	⊗	See Below
1602	An Analytical validation of Impedances of Low-Voltage Cables Provided by Table 9 of NFPA 70 (National Electrical Code)	Massimo Mitolo, Peman Montazemi	Mark Early	70	3.0	2.1	1.8	3.1	2.5	12.5	⊗	See Below
1603	GFCI Limitations 1	Donald Cook	Mark Early	70	3.8	3.5	3.3	4.3	3.1	18.0	✓	See Below
1604	Ground fault protection Limitations	Donald Cook	Mark Early	70	3.8	3.4	3.4	4.2	2.9	17.7	⊕	See Below
1609	Marina Risk Reduction	Donald Cook	Mark Early, Larry Russel	70, 302, 303	4.9	4.9	4.6	4.0	3.5	21.9	✓	
1623	Interoperability	Donald Cook	Mark Early	70	3.8	3.3	3.2	2.8	2.9	16.0	⊕	See Below

COMMENTS

1601	My qualifications to judge the likelihood of success for numerical techniques and computer modeling is limited. That limitation makes it difficult for me to guess at the feasibility of the project. If that modeling is possible, the benefit would be significant. Seems unlikely to be able to meet the end of February 2016 deadline Already well beyond identifying this hazard.
1602	Seems unlikely to be able to meet the end of February 2016 deadline
1603	This is best handled as part of the product standard and certification information.
1604	This is best handled as part of the product standard and certification information.
1609	(no comments)
1623	Likelihood of success will depend on industry focussing on a solution rather than which piece of inoperable equipment is at fault. Interoperability may have also implications with regards to the "smart home" devices coming onto market (such as the Nest smoke detector). As described the problem deals with coordination as opposed to interoperability. The performance of a group of products working as a system can only be evaluated by the evaluation as a system, which is best left to the certification agencies.