

Scorecard - Topics for Coalitions

Scorecard - Topics for Coalitions									
Sponsoring Org	Task ID	Research Project	Potential Applications	CHAMPION [Name (SDO)]	Standards Use	Regulatory Use	NRC Rep.	EPRI Product ID*	Predicted Coalition Success
2016 Topics									
EPRI	2014-01	Reactor Coolant Radiological Source Terms for Normal Operation	RCS	ANS	ANS 18.1			3002005404	
EPRI	2015-08	EPZ Size Evaluation	SMRs	ANS		NUREG-0396	NRO	3002008037	✓
Non-EPRI		Design standards for High Temperature Gas Reactors	HTGRs	Wallace (ANS) ASME	ANS, ASME III	10CFR50 Appx A, RG 1.87, RG 1.84	A. Cubbage		
Non-EPRI		Design standards for Liquid Metal Reactors (incl SFR)	LMRs	Flanagan (ANS) ASME	ANS, ASME III	10CFR50 Appx A, RG 1.84	A. Cubbage		
EPRI	2010-11	Methodology for Risk Informed Strategies		Kadambi (ANS) ASME	ASME/ANS PRA Standard	10CFR50.69		3002005398, 3002010481	
EPRI	2013-11	Powder Metallurgy and Hot Isostatic Processing Methods	AM	ASME	ASTM B834-13 ASME Sec II: A988-11 & A989-11, CC N-834			3002008035	
EPRI	2013-03	PWSCC Initiation Testing for Alloy 690 Weld Metals	Piping system DM welds, Upper head, Lower Head, Pressurizer	ASME	ASME Sec XI CC N-770-1, N-722-1, N-729-1	10 CFR 50.55a(g)(6)(ii)(D), (E), and (F)	Raj Iyengar RES/DE/CIB	3002009412	✓
EPRI	2013-07	Residual Stress (RS) Guidelines		ASME	ASME Section III		Raj Iyengar Mike Benson RES/DE/CIB	3002010464	✓
EPRI	2014-02	Elimination of Dissimilar Metal Welds (DMWs)	Piping systems	ASME				3002008031	
EPRI	2014-03	ASME Code Acceptance of HDPE	HDPE Piping, Class 3 SR	ASME	ASME Sec III Appx XXVI; CC N-755-2		Dave Alley NRR/DE/ENPB Mike Benson RES/DE/CIB	3002005433 ; 3002009545	✓
EPRI	2015-03	Environmentally Assisted Fatigue – Long-Term Collaboration and Testing	LTO, Piping systems	ASME	ASME III	NUREG-6720, NUREG/CR-6909, RG 1.207	Rob Tregoning RES/DE	3002003922	✓
EPRI	2015-05	Additive Manufacturing of Net Shape Powder Metallurgy Cans for Valves	AM, PM-HIP	ASME	ASTM B834-13 ASME Sec II: A988-11 & A989-11, CC N-834			3002008035 ; 3002010488	
EPRI	2015-06	Alloy Code Development for Powder Metallurgy	PM-HIP	ASME	ASTM B834-13 ASME Sec II: A988-11 & A989-11, CC N-834			3002005432 ; 3002010465	
EPRI	2016-06	Advanced Manufacturing Program	AM, PM-HIP	ASME	ASME Section II, III, and IX				
EPRI	2012-06	High Strength Reinforced Rebar	Reinforced concrete structures	ASME w/ACI	ACI 318, ACI 349	RG 1.35.1, RG 1.69, RG 1.136, RG 1.142, RG 1.143, RG 1.199	Dogan Seber RES/DE/SGSEB	3002005440; 3002007535; 3002010486	✓
EPRI	2014-06	Thick Section Component Welding		Tentative: ASME				3002005438 ; 3002009557	
EPRI	2014-08	Advanced Battery Evaluation for 1E Service Qualification	LTO	IEEE	IEEE 535	RG 1.158, RG 1.206, RG 1.212	Lilianan Ramadan RES/DE/ICEEB	3002007408	
EPRI	2015-02	Technology for SMR Staff Optimization	SMRs	IEEE	IEEE	10CFR50 Appx B		3002007071	

Sponsoring Org	Task ID	Research Project	Potential Applications	CHAMPION [Name (SDO)]	Standards Use	Regulatory Use	NRC Rep.	EPRI Product ID*	Predicted Coalition Success
EPRI	2015-09	Seismic High Frequency Loadings	Seismic analyses for structures and equipment anchoring	IEEE		NUREG-0800	Dogan Seber RES/DE/SGSEB	3002009429	✓
EPRI	2009-07	Next Generation Attenuation Model for the Central and Eastern US	Seismic analyses			10CFR50 GI-199		1021097	✓
EPRI	2010-13	Seasonal/Annual Cooling Tower Impacts (SACTI) Model Update	Cooling towers					3002006350	
EPRI	2012-01	Water Chemistry Guidelines for Advanced Light Water Reactors			EPRI Guidelines			1021090; 1021091; 1023002; 1024499; 1024502; 1026540; 3002002922; 3002004709; 3002004710; 3002007516; 3002008028; 3002008039 ; 3002004709; 3002004710; 3002004711	
EPRI	2012-15	New Steam Generator Thermal-Hydraulics Code (Triton)	SGs					3002005513; 3002005515	
EPRI	2015-01	Real Time NDE for Welding	Piping systems					300201468	
EPRI	2015-04	Demonstration of Self-Consolidating Concrete (SCC) and SCC Structural Members	Reinforced concrete structures		ACI 301 (potentially)	RG 1.107	Jose Pires RES/DE	3002007567	
EPRI	2015-07	Pre-filming Steam Generator Tubing Evaluation	SGs		EPRI Specification			3002008033; 3002009412	
EPRI	2015-10	Mass Concrete Modeling & Temperature Control	Reinforced concrete structure of material defined as mass concrete		ACI 301				
EPRI	2015-11	Moisture Tolerant Coatings for Decreasing Open Top Construction Time	Reinforced concrete member requiring coatings					3002010463	
EPRI	2015-12	PIM Archive and Lessons Learned							
EPRI	2015-13	SMR Aerosol Project				RG 1.183		3002010491	
EPRI	2016-01	Cyber Security During Construction	Cyber security		NEI-08-09	RG 5.71		3002010470	
EPRI	2016-02	PM-HIP Manufacturing Demonstration of ALWR and SMR Components	PM-HIP					3002010500	
EPRI	2016-03	Augmented Reality (AR) Scoping Study for New Plant Applications						3002010467	
Non-EPRI		ASME Code Case N-860 Examination Requirements and Acceptance Standards for Spent Nuclear Fuel Storage and Transportation Containment Systems							
2017 EPRI Topics									
EPRI	2017-04	A Vertical Response Motion Computation in SSI Analysis of Embedded Structures	Seismic analyses for structures and equipment anchoring			NUREG 0800		tbd	
EPRI	2017-06	Ground Motion Kappa Parameter Assessment	Seismic analyses for structures and equipment anchoring			NUREG 0800		tbd	

Sponsoring Org	Task ID	Research Project	Potential Applications	CHAMPION [Name (SDO)]	Standards Use	Regulatory Use	NRC Rep.	EPRI Product ID*	Predicted Coalition Success
EPRI		Investigation of New Residual Stress Mitigation Techniques	Piping systems		ASME Section III, IX, and XI			tbd	
EPRI	2017-03	Central and Eastern US Seismic Source Characterization for Nuclear Facilities	Seismic analysys			NUREG 0800		3002005288	
EPRI		Innovative Manufacturing Process for Nuclear Power Plant Components via Powder Metallurgy and Hot Isostatic Processing Methods: Manufacture of a Steam Separator Inlet Swirler	Components					3002005403	
EPRI		Program on Technology Innovation: Innovative Manufacturing Process for Nuclear Power Plant Components Through Powder Metallurgy-Hot Isostatic Processing	Components					3002008030	
EPRI		Advanced Nuclear Technology: Risk-Informed In-Service Inspection/Risk-Informed Break Exclusion Region Results for First Site	Piping and components					3002003119	
EPRI		High-Density Polyethylene Flaw Development, Sample Fabrication, and Performance Demonstration	Piping systems					3002008761	
EPRI		Advanced Nuclear Technology: The Long-Term Oxidative Resistance of Butt Fusion Joints in High-Density Polyethylene Piping	Piping systems					3002003120	
EPRI		Applicability of High-Density Polyethylene in Nuclear Piping Systems with Internal Radionuclides	Piping systems					3002000524	