Meeting Objectives

- Collaboration membership
- Update from working groups
- Review of knowledge gaps
- Review test material inventory and identify needs
- Recent test results
- Test planning (test matrix)
- Plan December 2009 meeting

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Meeting Agenda (1/2)

Thursday, August 6

– 01:00 PM	Opening remarks	Tregoning/Ahluwalia
– 01:15 PM	Collaboration status	Tregoning/Ahluwalia
– 01:30 PM	Review of knowledge gaps	Ahluwalia
– 01:45 PM	Test materials	Fyfitch/Willis
– 03:00 PM	Break	
– 03:15 PM	KAPL weld samples	Young
– 03:45 PM	A52 weldability issues	McCracken
– 04:00 PM	Working Group Updates	
– 05:00 PM	Adjourn for the day	

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Meeting Agenda (2/2)

Friday, August 7

– 08:00 AM	Research results/plans	
	EPRI MRP Research	Andresen
	NRC RES Research	Alexandreanu
	NRC RES Research	Bruemmer
	A690 R&D for new plants	Ahluwalia/Reichert
– 10:00 AM	Break	
– 10:15 AM	Other presentations	
	Proposed test matrix	Andresen
	Test matrix discussion	All
– 12:00 PM	Lunch	
– 01:00 PM	Open items	All
– 02:00 PM	Planning of Dec 2009 meeting	All
– 03:00 PM	Adjourn	

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Collaboration Participants

- Current participants
  - EPRI
  - NRC
  - Bechtel Bettis, Inc.
  - BPMI
  - EDF/MAI
  - KAERI
  - KAPL
  - Ringhals
  - Rolls Royce/SERCO
  - UNESA

Potential participants

- AREVA/FROG
- CEA
- CRIEPI
- DOE
- Doosan
- INSS
- MHI
- Tohoku
- VTT
- Westinghouse/Toshiba

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Knowledge Gaps

1. PWSCC susceptibility of HAZ (H)
2. Effect of weld defects in 52(M)/152 on PWSCC susceptibility (H)
3. Effect of weld composition & welding procedure (including dilution effects) on PWSCC and LTCP (H)
4. Welding fabrication and repair effects on defect population, residual stresses and susceptibility (H)
5. Reduced resistance to PWSCC due to thermo-mechanical processing of A690 (e.g. 1-D rolling) (M-H)
6. Resolution of contradictory CGR findings among labs for 52(M)/152 (M-H)
7. Relevance of thermo-processing modes (e.g. 1-D rolling) to plant installations (M-H)
8. Importance of LTCP to operating plants for A690 and welds (M)
9. CGR flaw disposition curves for A690/52/152 (M)
10. Detailed information on actual replacement components in the field (L-M)
11. Crack initiation data on heterogeneously deformed A690 that has shown high CGR values (L-M)

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