



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

October 31, 1991

Docket No. STN 50-605

APPLICANT: General Electric Company (GE)  
PROJECT: Advanced Boiling Water Reactor (ABWR)  
SUBJECT: SUMMARY OF MEETING ON INSPECTIONS, TESTS,  
ANALYSES, AND ACCEPTANCE CRITERIA (ITAAC)  
FOR THE ABWR

A meeting was held between the Nuclear Regulatory Commission (NRC) and GE on October 16-17, 1991, at the NRC headquarters in Rockville, Maryland. The purpose of the meeting was to discuss issues related to the ITAAC for the ABWR. Enclosed are the attendees at the meeting. The slides that GE presented at the meeting are available upon request to the project manager.

GE presented their approach to the development of the ABWR ITAAC for nine pilot systems within the framework of Part 52 of the Code of Federal Regulations. The staff provided feedback to GE that the pilot examples required more detail in most systems in order for the staff to be able to make a finding in accordance with 10 CFR 52.103(c) that the acceptance criteria have been met and that the facility has been constructed and will operate in conformity with the Atomic Energy Act and the Commission's regulations.

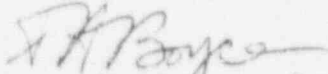
GE explained how they had developed the ITAAC requirements based on the Standard Review Plan. The staff provided initial reviewer comments to GE and indicated that detailed comments on the pilot submittal would be provided in the near future.

The staff stated that in those cases where it is not possible to measure specific acceptance criteria or where the use of these criteria is not appropriate, the specification of the algorithms used to verify the Tier 1 design information coupled with the associated algorithm parameters in the Tier 1 acceptance criteria is acceptable. Further, the staff stated that specifying parameters in the acceptance criteria is preferable to the use of any Tier 2 "validation attributes" in the ITAAC.

The staff and GE discussed the approach to incorporation of construction-related or "generic" ITAAC. GE stated that many requirements would be accomplished as part of the Quality Assurance Programs required by 10 CFR Part 50, Appendix B. GE indicated that they would include some of these requirements in ITAAC where appropriate for specific systems. Further, GE stated

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that they were considering a relatively small number of generic ITAAC requirements (e.g., seismic design, seismic qualification, and environmental qualification) that would be applicable to all systems. The staff indicated that the incorporation of these ITAAC was an essential element for a complete ITAAC submittal for the staff's review.



Thomas H. Boyce, Project Manager  
Standardization Project Directorate  
Division of Advanced Reactors  
and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
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Original Signed By:

Thomas H. Boyce, Project Manager  
Standardization Project Directorate  
Division of Advanced Reactors  
and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

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DATE 10/30/91	10/30/91	10/30/91	10/31/91
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General Electric Company

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Germantown, Maryland 20874

ENCLOSURE

ITAAC MEETING ATTENDEES

October 16, 1991:

<u>NAME</u>	<u>ORGANIZATION</u>
R. Pierson	NRR/PDST
S. Hou	NRR/ESGB
B. Berryhill	EPRI
C. Poslusny	NRR/PDST
G. Hoiahan	NRR/DST
V. San Angelo	Bechtel
P. Harris	SERCH Licensing/Bechtel
J. Knight	DST/SELB
T. Augustine	Westinghouse
D. Pupp	Westinghouse
E. Kennedy	ABB-CE
J. Snizek	NRC
J. Lazevnick	NRR/DST/ESGB
G. Bagchi	NRR/DST/ESGB
D. Terao	NRR/DET/ESGB
J. Lyons	NRR/DST/SPLB
Y. G. Hsii	NRR/DST/SRXB
G. Thomas	NRR/DST/SRXB
N. Fletcher	DOE/ALWR
T. Hiltz	NRR/PDST
W. Travers	NRR/DAR
S. Frantz	Newman & Holtzinger
R. Caruso	NRR/DST
P. Hearn	NRR/OTSB
T. Boyce	NRR/PDST
M. Zobler	OGC
J. Moore	OGC
D. Futoma	OGC
A. J. James	GE-NE
A. Heymer	NUMARC
R. Ng	NUMARC
J. Quirk	GE
D. Crutchfield	NRR/DAR
J. N. Wilson	NRR/PDST
W. Borchardt	NRR/PDST
M. Rubin	NRR
W. Russell	NRR
V. Nerses	RES
J. Knox	NRR
W. Burton	DST/SPLB

ITAAC MEETING ATTENDEES (Continued)

October 17, 1991:

<u>NAME</u>	<u>ORGANIZATION</u>
N. Fletcher	DOE/ALWR
J. Stewart	NRR/DST/SICB
T. Huang	GE
T. DiPalo	RES/DSR/ARB
D. Giessing	DOE
E. Kennedy	ABB-CE
S. Frantz	Newman & Holtzinger
M. Chiramal	NRR/DST/SICB
T. Boyce	NRR/PDST
J. N. Wilson	NRR/PDST
R. Caruso	NRR/DST
T. S. Augustine	Westinghouse
A. James	GE-NE
J. Quirk	GE
B. Berryhill	EPRI
A. Heymer	NUMARC
W. Travers	NRR/DAR
R. Pierson	NRR/PDST
R. Borchardt	NRR/PDST
D. Terao	NRR/DET
W. Burton	NRR/DST/SPLB
J. Lyons	NRR/DST/SPLB