Westinghouse UK AP1000[®] GENERIC DESIGN ASSESSMENT Resolution Plan for GI-AP1000-FS-08 Fault Schedule for AP1000

MAIN ASSESSMENT AREA	RELATED ASSESSMENT AREA(S)	RESOLUTION PLAN REVISION	GDA ISSUE REVISION					
Fault Studies	All other assessment areas	3	0					
GDA ISSUE:	Westinghouse is required to present their Fault Schedule to ONR and support as necessary ONR's subsequent assessment of it. The Fault Schedule is to be updated as appropriate following assessment by ONR and to incorporate any changes/additions to the AP1000 [®] safety case resulting from GDA Issues.							
ACTION: GI-AP1000-FS- 08.A1	to ONR and suppor assessment of it. The Fault Schedule following assessme changes/additions to from GDA Issues. A definitive Fault Sc assessment in GDA Westinghouse provious which included a net not been assessed Westinghouse shall ONR's assessment allow for: • Westinghouse intent followe • Westinghouse scope of the update it in t • Sufficient tim Schedule; • Westinghouse adequacy of • Any revision GDA Issues the PCSR.	the AP1000 [®] safety case resulting uired to present their Fault Schedule as necessary ONR's subsequent is to be updated as appropriate it by ONR and to incorporate any the AP1000 safety case resulting nedule was not provided to ONR for Step 4. At the end of March 2011, ded ONR with Rev 0 of the PCSR v Fault Schedule. However this has o date. develop a programme to facilitate of this crucial part of the PCSR. It will e to present their methodology and d to produce the Fault Schedule; e to present to ONR the extent and Fault Schedule and their plans to						

RELEVANT REFERENCE DOCUMENTATION RELATED TO GDA ISSUE							
Technical Queries							
Regulatory Observations	RO- AP1000 -46 RO- AP1000 -47 RO- AP1000 -54						
Other Documentation							

Scope of work:

Westinghouse must provide a comprehensive Fault Schedule that includes all faults within the design basis and presents the diverse means of protecting against all faults with a frequency of greater than 10^{-3} per year.

Description of work:

Westinghouse provided a comprehensive fault schedule in the PCSR, UKP-GW-GL-793 Revision 0, at the end of March 2011. Chapter 8, Fault & Accident Analysis, provides an overview of the fault and accident analysis, identification of faults and hazards, and the fault schedule and fault group. The tabular Fault Schedule is presented in Appendix 8A.

This work was received by ONR at the end of the assessment period and, therefore, could not be assessed during GDA. To resolve this issue Westinghouse will work closely with the ONR Assessors to address any questions that may arise during their review of the Fault Schedule.

Following completion of the assessment and discussion period the PCSR will be updated, as necessary, to reflect any agreed changes. All Resolution Plan effort conducted that affects the Fault Schedule will be updated in a revision to the PCSR.

Schedule/ programme milestones:

Please see the following page for the schedule.

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2	FAULT STUDIES					1												-
3	FS.08 Fault Schedule																	
4	FS.08 Update of Fault Schedule				, , ,	1	1						, , ,	, , ,		1	1	
5	Present Fault Schedule to ONR				1 1 1	1	1	· ·	I				1 1 1	1 1 1				
6	FS.08 PCSR Mark Ups-Submit to ONR				1 	 	1 1 1					1 	1 1 1			 		
7	PCSR Mark Ups-ONR Review of Submittal				1 1 1	1 1 1						1	1 1 1				- '	

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Methodology:

No new methodologies will be employed. The objective of this task is to review and confirm both the approach and results of the fault schedule documented in revision 0 of the PCSR and resolve any gaps between the fault schedule and ONR requirements. The impact of all GDA Issues on the Fault Schedule will be addressed. The effort performed in this Resolution Plan will be tied to the completion of the activity "Establish New Design Reference Point" in the Resolution Plan for GI-**AP1000**-CC-02 to ensure that all agreed design changes are incorporated in the final PCSR.

Justification of adequacy:

The Fault Schedule presented in the PCSR which reflects the work already provided in responses to Regulatory Observations 46, 47, and 54 captures all faults and claims identified during GDA Step 4. Changes that impact the Fault Schedule as a result of work completed on other GDA Issues will be included in the update to the Fault Schedule.

Impact assessment:

The following document is anticipated to be affected:

• The PCSR, chapters 8 & 9