

Office for Nuclear Regulation

An agency of HSE

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EDF AND AREVA UK EPR GENERIC DESIGN ASSESSMENT

GDA ISSUE

RELIABILITY OF THE ETC-C

GI-UKEPR-CE-05 REVISION 1

Technical Area		CIVIL ENGINEERING	
Related Technical Areas		None	
GDA Issue Reference	GI-UKEPR-CE-05	GDA Issue Action Reference	GI-UKEPR-CE-05.A1
GDA Issue	There is not yet sufficient demonstration of the reliabilities achieved by use of the ETC-C as a design code.		
GDA Issue Action	<p>Support assessment within the following areas and provide adequate responses to any questions arising from the assessment by ONR of submissions received late in Step 4 of GDA around the following topics:</p> <ul style="list-style-type: none">• Reliability of EPR Inner Containment to earthquake.• Target reliabilities for UK EPR structures built to ETC-C.• Behaviour of EPR Inner Containment wall beyond design-basis conditions. <p>Based on a high level review of the documents and assurances provided to date I have sufficient confidence in the approach to conclude that it should be possible to provide a suitable demonstration of both the beyond design basis performance and the fragility for use in the PSA.</p> <p>With agreement from the Regulator this action may be completed by alternative means.</p>		