

# Office for Nuclear Regulation

An agency of HSE

Redgrave Court Merton Road Bootle Merseyside L20 7HS

Tel: 0151 951 4000 [www.hse.gov.uk/nuclear](http://www.hse.gov.uk/nuclear)

## WESTINGHOUSE AP1000® GENERIC DESIGN ASSESSMENT

### GDA ISSUE

### CLASS 1 DISPLAYS AND CONTROLS

### GI-AP1000-CI-010 REVISION 0

<b>Technical Area</b>		<b>CONTROL AND INSTRUMENTATION</b>	
<b>Related Technical Areas</b>		None	
<b>GDA Issue Reference</b>	<b>GI-AP1000-CI-010</b>	<b>GDA Issue Action Reference</b>	<b>GI-AP1000-CI-10.A1</b>
<b>GDA Issue</b>	Westinghouse has advised that the protection and monitoring system (PMS) qualified data processing system (QDPS) and supporting AF100 bus will be upgraded to meet Class 1 requirements. This will facilitate the display of high integrity information in the MCR. ONR has sought to determine the provision of Class 1 displays and controls in the Remote Shutdown Room (RSR) and has been advised that there are none. Westinghouse is required to review the reasonable practicability of providing Class 1 displays and controls in the RSR.		
<b>GDA Issue Action</b>	The regulatory expectation is that Class 1 displays and controls are provided in an alternate emergency location (the RSR). In their absence, Westinghouse is required to: <ul style="list-style-type: none"><li>• Provide class 1 displays and controls in an alternative emergency location;</li></ul> or <ul style="list-style-type: none"><li>• Provide a justification of why the current design choice (of hardwired Class 2 manual control panels and Class 3 computer based controls and displays) is acceptable against the SAPs and Regulatory expectations. This should include an explanation, with a supporting justification, of why it is not reasonably practicable to provide Class 1 displays and controls in an alternative location.</li></ul> With agreement from the Regulator this action may be completed by alternative means.		