

Revision to IMC 0609 Appendix G

The revision to Appendix G series includes 4 procedures:

- IMC 0609, Appendix G Shutdown SDP is the main base document
- IMC 0609, Appendix G, Attachment 1 is the Screening and Initial Characterization of Findings (Phase 1 screening)
- IMC 0609, Appendix G, Attachment 2 is the Phase 2 SDP template for PWR during shutdown
- IMC 0609, Appendix G, Attachment 3 is the Phase 2 SDP template for BWR during shutdown

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Background info about Appendix G Shutdown Significance Determination Process (SDP)

Appendix G for the shutdown SDP has 3 phases

- Phase 1 Initial Screening and Characterization – is a quick screen with a series of questions
- (If necessary) Phase 2 SDP templates for the next phase of screening using pre-solved event trees, and worksheets
- (if necessary) Phase 3 is a detailed risk evaluation if it wasn't screened to Green during Phase 2 (typically performed by HQ staff)
- Procedure is set up this way since we don't have many plant-specific shutdown SPAR models

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- The revision doesn't change the way Appendix G assesses risk
- It is mostly an editorial clean-up
- AP1000 plants will not go through Appendix G for a Phase 2 risk assessment, instead analysts are directed to the AP1000 shutdown SPAR model.
- An informational section was added to Appendix G, Attachment 1 to highlight relevant shutdown information for the AP1000 design.

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Reasons for the revision:

- There is a requirement to periodically review and maintain the IMC procedures up-to-date. In the case of Appendix G, Attachments 2 and 3 had not been updated since 2005.
- The revision was mostly an editorial clean-up, designed to bring the formatting up to current standards, correct typos, make terminology more consistent, procedure easier to use, etc.
- The revision incorporates several ROP feedback forms.
- The revision now includes guidance on how to handle AP1000 shutdown risk assessment.
- Incorporates the counting rule worksheet into Appendix G.

Impact to Appendix G

- IMC 0609 Appendix G is more consistent within the various attachments of Appendix G, formatting is more consistent, definitions are the same, terminology is aligned.
- IMC 0609 Appendix G feedback forms are addressed.
- AP1000 is now addressed.