

FAULT SCHEDULE DEVELOPMENT

The Fault Schedule (*FS*) should be structured to allow each node of operation to be viewed separately and should match the nodal approach to hazard and fault identification, Deterministic Safety Assessment (*DSA*) and Probabilistic Safety Assessment (*PSA*). The role of the Fault Schedule is specifically to link the hazard identification process to the assessment and justification analysis and documentation. It should provide:

- An auditable trail to the fault and hazard assessment, and identification of the credible faults.
- Identification of the safety measures that are claimed in the safety case.
- An audit trail to the definition and substantiation of safety measures.

The Fault Schedule performs a central safety case configuration management role because of its route map position between the Hazard Identification, and the DSA and *PSA*. It is the main vehicle that links the various elements within safety cases, between safety cases, and across equipment or responsibility boundaries.

An example process flow diagram is shown in Figure 1 which illustrates the procedure to develop a Fault Schedule as a result of either a new design or a change to an existing design for any item of plant or equipment which is identified as being of nuclear safety significance.

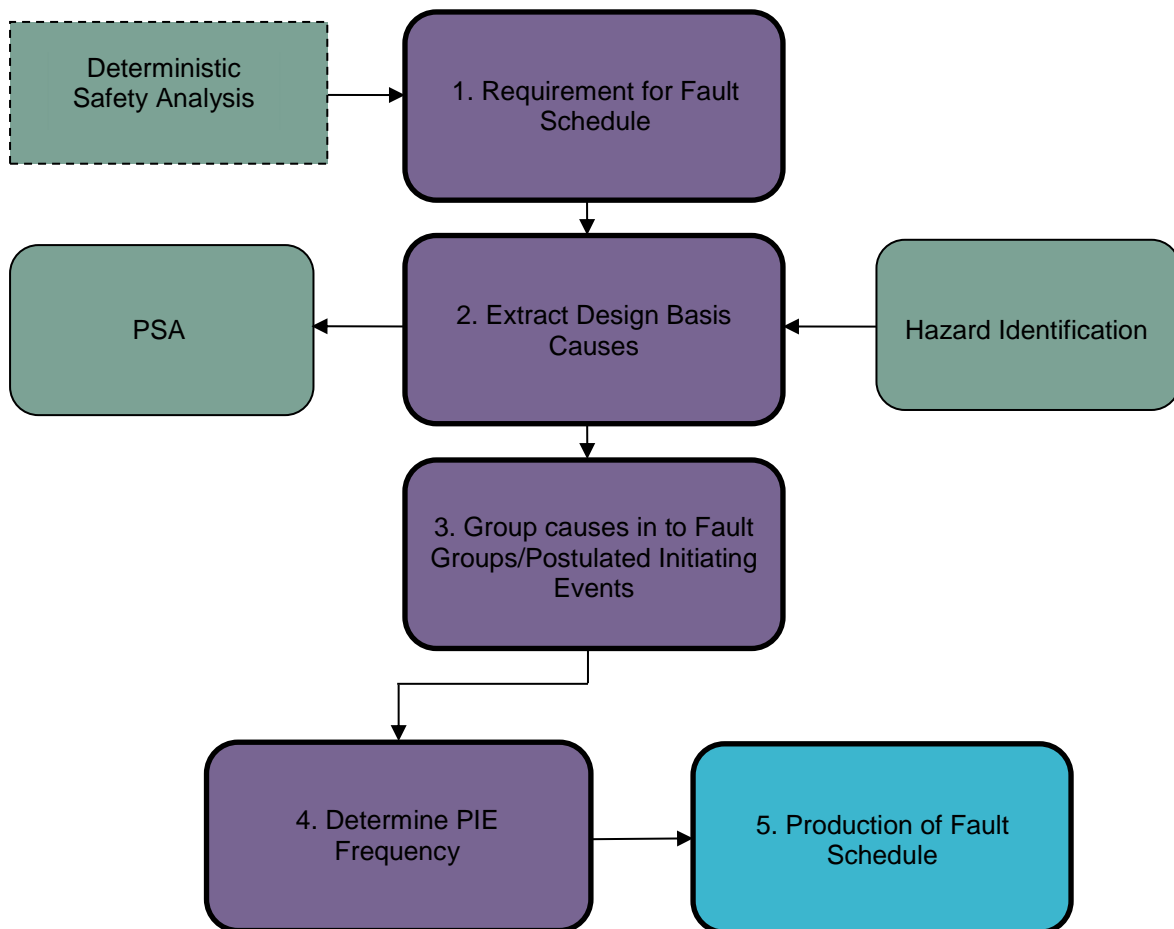


Figure 1: Fault Schedule development flow diagram

Additional Information & Guidance

- <http://www.onr.org.uk/resources.htm>