



PSSA PLANNING

1 OBJECTIVE

The objective of the **PSSA Planning** step is to define the objectives and scope of the PSSA, the activities to be carried out, their deliverables, their schedule and the required resources.

2 INPUT

- Overall Project/Programme plan(s);
- Project/Programme Safety Plan;
- FHA Report.

3 MAJOR TASKS

- Identify and describe the more specific activities for each PSSA step in a PSSA Plan;
- Submit the PSSA plan to peer review to provide assurance of its suitability;
- Submit the PSSA plan for comment or approval to interested parties (including regulatory authorities), as appropriate;
- Formally place the PSSA plan under configuration management;
- Disseminate the PSSA plan to all interested parties.

The PSSA Plan should:

- Define and describe the risk mitigation strategies to be used;
- Identify methods and techniques to be used in the PSSA part of the safety assessment;
- Identify interdependencies with the design phase;
- Define the schedule, transition criteria between PSSA steps, resources, responsibilities and deliverables.

The PSSA Plan should justify how the planned PSSA activities will be conducted in the light of:

- The **safety impact** of the system: approaches appropriate to the severity of the effects and the probability of occurrence of these effects of the various identified hazards;
- The degree of **complexity** of the system;
- The **novelty** of the system: usage of new technologies or of conventional technologies not previously used for similar systems;
- Any other specific features of the system that could impact safety.

See Guidance Material A of Chapter 2.

4 OUTPUT

- Reviewed and approved PSSA Plan.