



SSA PLANNING

1 OBJECTIVE

The objective of the **SSA Planning** step is to define the objectives and scope of the SSA, 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 and PSSA Reports.

3 MAJOR TASKS

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

The SSA Plan should:

- Define and describe the safety aspects of development strategies to be used;
- Identify methods and techniques to be used in the SSA part of the safety assessment;
- Identify interdependencies with the development, implementation, transfer into operation, operation, maintenance and decommissioning phases;
- Define the schedule, transition criteria between SSA steps, resources, responsibilities and deliverables.

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

- The phases of the lifecycle (Implementation & integration, transfer into operation, operation, maintenance and decommissioning);
- The transition criteria to proceed to the next lifecycle phase including the criteria and steps to obtain approval for operation with regard to acceptability or tolerability of risk;
- The **safety impact** of the system: approaches appropriate to the level of risk, stringency of Safety Objectives, Safety Requirements and Assurance Levels;
- The degree of **complexity** of the system or its introduction into operation (e.g. number of stakeholders, number of ACCs,...);
- The **novelty** of the system: usage of new technology or of conventional technology 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 SSA Plan.