

Guidance to System Safety plan (SSPP) to support the suppliers

This guidance contains information about FMV's expectations for the supplier's system safety plan (SSPP) and is a complement to the "Guidance about system safety activity" for Tenders.

Tenders containing requirements for system safety plan (SSPP)

The supplier shall generally attach a system safety in its tender that describes the activities that need to be performed, partly based on FMV's invitation to tender, partly from quoted technical system, product or concept. FMV recommend that the supplier before the submission of tenders will take part in the various manuals and templates available on FMV's web site

Background

FMV procures annually a large amount of materiel in one way or another covered by demands on system safety including requirements on tolerable risk level. Technical systems, products or concepts covered by the demands on system safety needs in one way or another to get the technical design and documentation quality evaluated in order to FMV in a clear way to vouch for the system safety and thus be able to take their technical design responsibility to the SwAF.

Military activities differ significantly from civilian operations, it is often necessary that the supplier has a good knowledge of operations of the defense sector. FMV procures, however, more and more civil materials to be integrated in existing military technical systems and will then operate in a military environment, so experience of COTS (Commercial of the Shelf) and its regulatory framework and harmonized standards is deemed to be a basic condition. FMV is a need to have continuous visibility into the supplier's system safety work and the certainty that the supplier fulfills the requirements, manage identified security flaws and presents this in a transparent and systematic manner.

In addition to this, shall the supplier's system safety process, result in correct type of audits,, tests, analyzes and reports are implemented and documented.

This will make it easier for FMV at various briefings/meetings (SSPR) and at delivery controls.

There is no limit to the number of system safety activities you can undertake in a project. The key is to advance understanding of the extent to which this work will have to deliver a sufficient level of system safety including being able to demonstrate / prove this to the FMV, which also called for scaling / tailoring. FMV requires minimum extent of system safety activities regardless of technical systems and the supplier can be based on quoted technical systems, product or concept can choose to add additional system safety activities.

Developing supplier, to authorities having to meet the requirements (regulations) or provide information and receive approval before a product may be placed on the market.

Requirements for the technical system

SwAF basic view is that civil legal requirements generally applicable to all military equipment and SwAF wants to avoid, if possible, to have exemptions from the legislation of their equipment. By fulfilling the civil legislation, there is also the possibility to use the

equipment for support to the community under severe stress, as well as the opportunity to sell the equipment further whenever it is not needed in the SwAF.

Technical systems which do not fulfill civil law at the disposal time must therefore be discarded even if it commands a residual value. FMV reserves the right to determine if the exemption may be used for equipment specially designed for military purposes. Utilization of departure and a possible application for exemption is thus through FMV's conscious decision.

FMV's requirements for system safety plan (SSPP) in the tender

SwAF requires that FMV perform system safety activities and that the corresponding activities are carried out at the developing suppliers. FMV's requirements do therefore what the minimum scope is the system safety activities that tenderer should implement. Each supplier may additionally choose to implement additional activities depending on which technical solutions are selected and based on the technical complexity of the system. The supplier documents the proposed activity in a system safety plan (SSPP) which attached to the tender.

Template for system safety plan (SSPP)

Suggested template for system safety plan (SSPP), including supporting text and guidance in red, are available on FMV website. Templates for system safety plan are available in both Swedish and English.

System safety plan (SSPP) must, among other things describe how the supplier will take care of the laws, regulations, standards, practices, methodology, activities, risk management, documentation, independent audit, risk matrix, tolerable risk level, criteria for the closing of the accident risk, a risk log, decision documents, and the briefings internally / external referred to be performed.

Language

System safety plan (SSPP) can either be written in Swedish or in the language which is used in the invitation to tender.

Other information

The supplier must attach a preliminary edition of the System safety plan (SSPP) with the tender. An established edition will be agreed with FMV within a reasonable time (2-3 months) or within the time specified in the FMV contract / order before system safety can begin.

Developing supplier can, in turn, require that an SSPP are produced by major subcontractors, but these need not be approved by FMV.

System safety plan (SSPP) is a contract action and is usually an annex to the contract / order. System safety plan must be good enough and be reasonably detailed preparation for FMV approval so that the system safety work can begin.

System Plans (SSPP) may need to be updated or developed once or several times during a project based on the priorities agreed between FMV and the contractor. Clarifications in the system safety plan (SSPP) carried out under the contract / order.