

Requirement identified to minimise explosives hazard and manage risks

Capability need/requirement includes new nature of EO and/or weapon systems.

Understand context of EO Activity or intended use of item of EO or EO facility/location.

Define the manufacture, logistic, maintenance, testing and use activities for items of EO or explosives

- NATO MTDS Questionnaire

Define the protection requirements

- Insensitive Munitions signature

Define use of EO facility/location and protection requirements

Assess explosives safety hazards and risks (HRA)

Determine application WHS and Explosives Act

EO based HRA across EO lifecycle

- S3 assessment
- IM assessment
- EEH susceptibility assessment

Location based HRA

Transport based HRA

Warships HRA

Airfields HRA

Determine reasonably practicable controls to minimise the explosives hazard

Identify controls prescribed by legislation

Based on EO's S3 and IM assessment determine

- EO storage, transport and service lives
- environmental limitations
- EEH and RADHAZ susceptibilities

Facilities/location

- lightning protection
- Siting of PES

Develop safe handling methods

Implement Controls as part of safety in design and safe systems of work

EO safety limitations incorporated in Activity owner's safe systems of work and security plans

Through life surveillance plans

Safeguarding maps issued

Transport road/rail iaw AE Code

Conduct EO Activity and manage risk controls

Maintain, store & handling EO within design and environment limitations

EO incident reporting and analysis

Maintain weapon systems, facilities/locations within design requirements

Review risk controls and follow up

EOSR conducts

- S3 review panels
- ESTC
- EOSAB

EO Activity Owner conducts safety assurance programs iaw SMS

EO incident reporting and analysis

Emergency response exercises

Outcome: Defence has justified confidence that explosives safety hazards and risks in EO Activities have been minimised SFARP