

Role title: ESA Test, Trials and Evaluation Supervisor

Role purpose:

To plan and supervise the Test, Trial and Evaluation of ESA safely, efficiently and in an environmentally sound manner using appropriate techniques which are efficient, effective and timely and in compliance with all relevant legal and other requirements. Consult Technical Authorities as appropriate.

Responsibilities of this role:

Design and implement a robust Safe Statement Of Work, which identifies Hazards, mitigates risks, predicts possible outcomes including unplanned events, and provides appropriate emergency procedures.

Comply with your organisation's policies, procedures and practices.

Ensure facilities (including plant and equipment) are fit for the TT&E task; maintenance regime is up-to-date and that they are certified to carry out the planned task. Report discrepancies and contribute to improvement.

Confirm the type, quantity, condition and requirement for testing, trial and evaluation of ESA. Determine, adapt or design equipment/plant, process, procedure or technique (where appropriate).

Define logistics, hand-over, approval, receipt and despatch processes. Record TT&E outcome and CFFEH is certified as appropriate.

Produce a robust plan to effectively and efficiently carry out the TT&E tasks, which should ensure that legal and performance and stakeholder requirements are met (SHE, Quality, scheduling)

Communicate the plan and de-conflict where necessary.

Monitor the plan and adjust as appropriate within level of responsibility.

Review performance, identify and recommend or initiate improvements.

Ensure self and others are competent with suitable; training, knowledge, experience, behaviour and ability.

Ensure resources (people, time) available to complete, safely and successfully the disposal task.

Competences relevant to this role:	ESA NOS Reference
<u>Mandatory</u>	
Carry out assurance audit of systems for explosives safety	2.10A
Establish the performance criteria for explosive substances and/or articles	3.1
Determine the existence of a suitable trial or test procedure for explosive substances and/or articles	3.2
Plan the test of explosive substances and/or articles	3.9
Carry out pre-trial or pre-test tasks relating to explosive substances and/or articles	3.12
Carry out tests of explosive substances and/or articles	3.15
Carry out post-trial or post-test tasks relating to explosive substances and/or articles	3.19
Determine the existence of a suitable explosive substances and/or articles disposal procedure	11.2
Supervise explosives safety	13.18
Work effectively in a team involving explosive substances and/or articles	13.1
Pack or re-pack explosive substances and/or articles	13.12
Unpack explosive substances and/or articles	13.13

Optional	
Design new test procedure for explosive substances and/or articles	3.4
Adapt existing test procedure for explosive substances and/or articles	3.6
Manage the test of explosive substances and/or articles	3.11
Evaluate the results of tests of explosive substances and/or articles	3.18
Provide explosives technical or safety advice and/or guidance to others	13.9
Prepare and care for equipment in an explosives environment	13.15
Certify as Free From Explosive Hazard	13.17

Qualifications relevant to this role	Essential/Desirable
Level 3 N/SVQ in Test and Evaluation Supervision of Explosive Substances and/or Articles (03-002-03)	D
Swansea University BEng(Hons) in Test Range Engineering	D
3-day intro to Systems Engineering short course, Cranfield University Shrivvenham	D
NEBOSH General Certificate or equivalent	E

Training relevant to this role	Essential/Desirable	Source
Explosives Substances and Articles foundation	E	EITN members
Online WOME introduction	D	Cranfield Delft University Et al
Risk Assessment and Risk Management e.g. FMECA, Fault Tree Analysis, HSG65, HSG268...		
Quality management and continuous improvement		
Process engineering		
Safety process leadership		
Cranfield 'Risk Assessments for Explosives'	D	Cranfield
Trained to standard of Level 2 T&E	E	
Level 2 Storage and movement	E	
Level 3 Storage and movement	D	
Environmental....POEMS/14001	D	
Foundation Certificate in Environmental Management	D	

Licence required for this role? **N** (delete as appropriate)

Date: 20150729-Industry led -Test Trials and Evaluations Supervisor-FINAL