

Role title: ESA Test, Trials and Evaluation - Manager

Role purpose:

To plan and manage 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 the appropriate technical authorities.

Responsibilities of this role:

1. Comply with your organisation's policies, procedures and practices.
2. Confirm the type, quantity, condition of ESA and the requirement for TT&E of ESA.
3. Determine, adapt or design a process, procedure or technique (where appropriate).
4. Design and Implement a robust Safe System of Work, which identifies hazards, mitigates risks, predicts possible outcomes including unplanned events, and provides appropriate emergency procedures.
5. Ensure self and others are competent with suitable skills, knowledge, experience, behaviour and ability. (Suitably Qualified and Experienced Person (SQEP) for TT&E activities)
6. Ensure resources (people, time, funds, real estate, equipment and procedures) are available to complete, safely and successfully, the TT&E task.
7. 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.
8. Define logistics, hand-over, approval, receipt and despatch processes.
9. Scope an audit process and procedures.
10. 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)
11. Communicate the plan and de-conflict where necessary.
12. Monitor the plan and adjust as appropriate within level of responsibility.
13. Ensure that TT&E outcomes are recorded
14. Review performance, identify and recommend or initiate improvements.

Competences relevant to this role:

NOS Reference

Mandatory

Review the factors affecting the safety of specific explosive substances and/or articles	2.3
Develop and implement assurance systems for explosives safety	2.10
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
Validate trial or test procedure for explosive substances and/or articles	3.7
Plan the trial of explosive substances and/or articles	3.8
Manage the trial of explosive substances and/or articles	3.10
Carry out trials of explosive substances and/or articles	3.14
Determine the existence of a suitable explosive substances and/or articles disposal procedure	11.2

Provide explosives technical or safety advice and/or guidance to others	13.9
Manage explosives safety	13.16
Optional	
Carry out assurance audit of systems for explosives safety	2.10A
Design new trial procedure for explosive substances and/or articles	3.3
Adapt existing trial procedure for explosive substances and/or articles	3.5
Evaluate the results of trials of explosive substances and/or articles	3.17
Adapt existing explosive substances and/or articles disposal procedure	11.3
Work effectively in a team involving explosive substances and/or articles	13.1
Manage continuous improvement for explosive substances and articles activities	13.4
Make presentations on matters relating to explosives.	13.10
Pack or re-pack explosive substances and/or articles	13.12
Unpack explosive substances and/or articles	13.13

Qualifications relevant to this role	Essential/Desirable
HSQ Level 4 VQ Test and Evaluation Management of Explosive Substances and Articles	D
Swansea University BEng(Hons) in Test Range Engineering	D
Ammunition Technician Class 1 or Naval or Air Force and Reserve Forces equivalent	
Ammunition Technical Officer or Naval or Air Force and Reserve Forces equivalent	
NEBOSH/IOSH General Certificate	E
Cranfield Trials Management Course	D

Training relevant to this role	Essential/Desirable	Source¹
Explosives foundation	E	ELS, Cranfield, ISSEE, Ramora UK, WCTS
Level 2 Storage and movement	D	ELS, ISSEE, Ramora UK, WCTS
Level 3 Storage and movement	D	ELS, ISSEE, Ramora UK, WCTS
Level 3 Explosives Safety Management	D	ELS, ISSEE, Ramora UK, WCTS

¹ Sources known at time of writing.
20160504-Industry led -Test Trials and Evaluation Manager v1.3
REVIEW DATE – May 2019

Auditing of processes	E	
Firing Officer	D	ISSEE
Test and Evaluation Ranges Course		QinetiQ