



Role title: **Trials Conducting Officer / Trials Manager (complex risks)**

Role purpose:	A person authorised to undertake explosive operations where the deliberate ignition or initiation of energetic material is a significant probability. To provide technical direction to explosive trials. To ensure adequate provisioning of the trial assembly and interfaces with facilities. To achieve the authority to conduct the trial, where particular attention to detail shall be necessary on ranges outside AWE (under CSI 700).	
Responsibilities required of this role		Source
Ensure that suitable and sufficient plans, safe working procedures and effective control measures are implemented to cover all areas of work and activities, in accordance with AWE Explosive		AWE/MAN.S/14 10.4 Iss 3.1
Prepare routine reports, progress cards, etc. as appropriate, associated with monitoring and planning the progress of work.		
Apply the explosives safety rules and maintain high standards of house-keeping.		
Identify potential workplace improvements.		
Ensure that all staff involved in the trial/test are competent and authorised to carry out the relevant work and are aware of their responsibilities for safety.		
Conduct and control of trials where there is a significant probability of ignition or initiation of explosives		
Responsible for ensuring an acceptable disposal route is available for all waste arisings.		
Ensure that all work areas, equipment and materials are made safe at the conclusion of all work and at the end of the trial.		
Follow high standards of professional discipline.		
Key Accountabilities		Source
All explosives activities (manufacturing, processing, handling, storage, movement, transport, clearance, decommissioning, disposal and use) shall have appropriate measures implemented to;		CSI 1401 (for full explanation)
Prevent unplanned fire or explosion.		
Protect people from the effects of fire or explosion.		
Prevent contamination and spread of contamination of explosives into the environment, including working environment, so far as is reasonably practicable		
Limit the extent of fire or explosion, prevent the spread of any fire and prevent the communication of explosions from one location to another.		



It is expected that the TCO will have met the common technical competencies for the Team Member and as appropriate that of the Work Controller.	NOS ESA
Analyse and identify explosives aggregated hazards and risks	2.8
Assess the suitability of explosives facilities	2.8A
Implement risk control measures for explosive substance and article safety	2.9A
Contribute to the investigation of explosives safety incidents	2.12A
Determine the existence of a suitable trial or test procedure for explosive substances and/or articles	3.2
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
Carry out post trial or post test tasks relating to explosive substances and/or articles	3.19
Monitor and control explosive processing	4.8
Move explosive substances and/or articles manually	7.1
Determine the existence of a suitable explosive substances and/or articles disposal procedure	11.2
Manage your own resources*	13.2
Provide leadership for your team*	13.6
Provide explosives technical or safety advice and/or guidance to others	13.9
Manage explosives safety	13.16

Qualifications relevant to this role	Essential / Desirable	Source
Specific to Job Description	N/A	
Training relevant to this role that supports demonstration of competence	Essential / Desirable	Source
FUSE (Fundamentals and Understanding of Safety with Explosives)	E	AWE
Explosives area workplace rules		AWE
Introduction to Explosives	D	DAUK Cranfield

*** Can be met by AWE current Full Spectrum Leadership standards**

AWE competencies relevant to this role can be found in the **Managing Our Skills at AWE Explosives Operations Roles, Competencies and Role Profiles**.

The competencies contain a one paragraph definition and a number of indicators. The indicators start with positive examples that support the competency definition.



NOS ESA		RD&D	Trials & Testing	Disposal
1.5	Identify and gather the information on explosive substances and/or articles	✓		✓
1.11	Carry out investigations and analyse the information collected on explosive substances and/or articles	✓		
1.12	Contribute to carrying out investigations and analysing the information collected on explosive substances and/or articles	✓	✓	
1.24.2	Carry out assembly-related activities to build complex explosive article prototype(s)	✓		
2.3	Review the factors affecting the safety of specific explosive substances and/or articles	✓		
2.3A	Make recommendations on the factors affecting the safety of specific explosive substances and/or articles	✓		
3.1	Establish the performance criteria for explosive substances and/or articles	✓	✓	
3.7	Validate trial or test procedure for explosive substances and/or articles	✓	✓	
3.15	Carry out tests of explosive substances and/or articles	✓	✓	
3.17	Evaluate the results of trials of explosive substances and/or articles	✓	✓	
4.13	Separate recoverable materials and waste produced by the explosive process	✓		✓
5.4	Implement the inspection of explosive substances and/or articles	✓	✓	
5.7	Implement the routine removal of explosive substances and/or articles		✓	
5.9	Implement the routine assembly of explosive substances and/or articles	✓	✓	
6.3	Contribute to the identification of explosive substances and/or articles requirement and specification	✓		
6.4	Identify potential explosive substances and/or articles suppliers	✓		
7.18	Lift, transfer and position explosive substances and/or articles loads	✓		
11.1	Assess the explosive substances and/or articles for disposal			✓
11.13A	Dispose of explosive substances and/or articles by non-complex burning procedures			✓
11.16A	Dispose of explosive substances and/or articles by non-complex detonation procedures			✓
11.18	Contribute to the explosive substances and/or articles disposal task			✓
13.17	Certify as Free From Explosives (FFE)			✓