

Test and Evaluation Protocol

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Improvised Explosive Device Disposal (IEDD) Competency Standards

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Warning

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Foreword

Test and Evaluation Protocols (T&EP) include former workshop agreements for humanitarian mine action produced by the European Centre for Standardization (CEN). They have been produced to support the International Mine Action Standards (IMAS) and have been approved by the IMAS Review Board. T&EP are included in relevant IMAS as the normative reference, which gives them authority within the IMAS system.

In January 2001, the European Centre for Standardization (CEN) created a technical board which it named Working Group (WG) 126. Since then, CEN WG 126 had held a number of workshops to establish Workshop Agreements for mine action topics that had not been covered by the IMAS. The standards for the test and evaluation of metal detectors, machines and personal protective equipment (PPE) are good examples of their work.

In January 2011, CEN formally transferred the ownership rights for the CEN Workshop Agreements (CWA) for humanitarian mine action to UNMAS and the GICHD. As such, these documents have since been updated and relabelled as T&EP for mine action, with a reference to their original name. This is to avoid any confusion with the current CWA produced by CEN. They will be reviewed and amended, when needed, as part of the IMAS review process and approved by the IMAS Review Board.

Introduction

Improvised Explosive Device Disposal (IEDD) competency standards have been developed at the request of mine action stakeholders, and in response to needs identified in the field.

IEDD is a subset of Explosive Ordnance Disposal (EOD). The aim of this document is therefore to build upon the competencies already outlined for EOD in a mine action context as defined in T&EP 09.30/01/2014.

The competency requirements found herein relate specifically to IEDD operations that are conducted in mine action contexts. It does not provide specific technical guidance for the disposal of any particular type of Improvised Explosive Device (IED).

Improvised Explosive Device Disposal Competency Standards

1 Scope

This document provides guidance on the competencies needed for IEDD Level 1, 2, 3 and 3+ qualifications in mine action as defined in IMAS 09.31.

IEDD is a subset of EOD (see T&EP 09.30/2014). This document seeks to cover the competencies required for dealing with IED contamination in a mine action context.

The use of this document will allow mine action programmes and the wider mine action sector to improve the capability of building processes and provide a tool for planning and assessing the personal development of staff. It should also improve the Quality Management process by enhancing the assessment of training and competency of staff involved in IEDD work.

2 References

A list of normative references is given in Annex A. Normative references are important documents to which references are made in this standard and which form part of the provisions for this standard.

3 Terms, definitions and abbreviations

A complete glossary of all the terms, definitions and abbreviations used in the International Mine Action Standard (IMAS) series, and Test and Evaluation Protocols (T&EPs) is given in IMAS 04.10.

A T&EP is an agreed protocol to accompany or supplement an IMAS. It provides advice and information relevant to activities associated with the testing of qualification and equipment.

The term 'national mine action authority (NMAA)' refers to the government entity, often an inter-ministerial committee, in a mine-affected country charged with the responsibility for the regulation, management and coordination of mine action.

Note: In the absence of a NMAA, it may be necessary and appropriate for the UN, or some other recognised international body, to assume some or all of the responsibilities, and fulfil some or all the functions, of a MAC or, less frequently, a NMAA.

The term 'Mine action organisation' refers to any organisation (government, NGO or commercial entity) responsible for implementing mine action projects or tasks. The mine action organisation may be a prime contractor, subcontractor, consultant or agent.

Note: Mine action organisations include Explosive Ordnance clearance, and Improvised Explosive Device Disposal organisations.

The term 'Improvised Explosive Device Disposal' refers to the location¹, identification, rendering safe and final disposal of IEDs. IEDD may be undertaken:

- a) as a routine part of survey and clearance operations, upon discovery of an IED; or
- b) to dispose of an IED discovered outside defined hazardous areas (this may be a single IED, or a larger number inside a specific area).

The term 'Improvised Explosive Device' refers to a device placed or fabricated in an improvised manner incorporating explosive material, destructive, lethal, noxious, incendiary, pyrotechnic materials or chemicals designed to destroy, disfigure, distract or harass. They may incorporate military stores, but are normally devised from non-military components [IATG 01.40:2011].

¹ Denotes location of the device/components by the IED operator that has been tasked to dispose of a specific IED.

Note: An IED may meet the definition of a mine, booby trap, and/or other type of explosive ordnance depending on its construction. These devices may also be referred to as improvised, artisanal, or locally manufactured mines, booby traps, or other types of explosive ordnance.

The term 'competency standards' refers to the units of competence required to undertake a given task effectively and safely. The emphasis is placed on practical performance and on the application of knowledge and skills. Put simplistically "What people are able to do and their ability to do this in a range of contexts".

The term 'competence unit' refers to the specification of knowledge and skill and the application of that knowledge and skill to the standard of performance required in the workplace. Additionally, competence embodies the ability to transfer and apply knowledge and skills to new situations and environments.

4 Conformance

In T&EP, the words 'should' and 'may' are used to convey the intended degree of compliance. This use is consistent with the language used in ISO standards and guides.

In IMAS, 'shall' is used to indicate requirements, methods or specifications that are to be applied in order to conform to the standard. This term is **NOT** used in T&EP, as their contents are purely advisory.

'Should' is used to indicate the preferred requirements, methods or specifications. 'May' is used to indicate a possible method or course of action.

5 Competency Standards

5.1 Purpose of Competency Standards

The purpose of competency standards is to define the minimum occupational competence in terms of the context(s) in which it needs to be applied along with performance criteria, and an explanation of the required knowledge and understanding. Individual units or modules of competencies can also be, or form part of, qualifications at different levels, provided that an assessment regime with appropriate evidence or test requirements is used.

The purpose of this document is to provide an accurate assessment tool to enable appropriate recognition of an individual's professional competence. The use of this document will also allow mine action programmes to enhance the capacity building process by providing a tool for planning and assessing the personal development of staff.

5.2 Application

This document should be applied to improve safety and efficiency in mine action. It is designed to be of benefit for a range of stakeholders including:

- Explosive Ordnance (EO) affected communities, where the EO contamination includes IEDs, through provision of a common level of competency for organisations and individuals involved in mine action;
- Individuals through provision of internationally recognised mine action qualifications enabling the transfer of skills and professional development;
- Mine action organisations through development of internationally recognised standards. Additionally, the T&EP will aid staff recruitment and selection by providing a recognised tool for the assessment of an individual's competence;
- National mine action authorities by providing recognised standards by which to measure the performance of individuals and organisations. Application of this T&EP should enhance

the process of measuring national capacity development across different organisations by providing a common understanding of the competencies of staff;

- Donors and the United Nations Agencies who can be confident in the professional capacity of individuals and organisations, either from a funding or international aid perspective; and
- The mine action sector through recording and evaluating the competency possessed by personnel and organisations to ensure effective planning and evaluation, staff development and capacity building. Additionally, adherence to this standard will improve the Quality Management process by enhancing the assessment of training and competency of staff.

5.3 Use of Competency Standards

Competency standards should be used to support NMAA and mine action organisations in defining the competency levels required for IEDD as part of EOD operations in any given environment. It can also provide a basis for defining policy, structures, training, operational processes and SOPs.

Any organisation using this document as a best practice reference will need to produce guidance and other supplementary material to define specific competency requirements for different employments as appropriate to the relevant environment.

6 Composition of a unit of competence

The competencies given in this document are laid out based on a series of criteria. The framework is based on the following six 'Competency Categories':

1. Theory & Knowledge
2. Equipment Skills
3. Reporting & Data
4. Practical IEDD Skills
5. Management & Leadership
6. Deployment & Post Task

Each of these categories is broken down into a set of individually numbered 'Competency Clusters' which are unique to their associated category, some examples include the following:

16. Danger area and task Geography
23. Application of SOPs
43. Camera and GPS
55. Limits and Deviation

Each competency cluster is then broken down into groups of individually numbered 'Competency Roots', some examples include the following:

70. Alert to Atmospheric
121. Disposal Skills
144. IED related clearance

The individual competencies are then associated with a 'Level':

- Level 1
- Level 2
- Level 3
- Level 3+

In this way each individual competency is attributed to a unique identifier number as outlined in the examples below.

Number	Competency Category	Competency Cluster	Competency Root	Level	Title
1.1.1.1	1.Theory and Knowledge	1.Electrical Theory	1.Electrical Circuits	1	Water analogy
1.1.1.2	1.Theory and Knowledge	1.Electrical Theory	1.Electrical Circuits	2	Circuits, Batteries, Resistance
1.1.1.3	1.Theory and Knowledge	1.Electrical Theory	1.Electrical Circuits	3	Collapsing Circuits
1.15.14.4	1.Theory and Knowledge	15.Threat Assessment	14.Current Threat Assessment	3+	Proactive horizon scanning

The complete competency list can be found in Annex B. Each competency on the list has been assigned a suggested training time (in hours), and test type. This has been included in order to provide broad guidance to organisations wishing to develop IEDD training courses to meet IMAS requirements. The final determination on training time, testing, and vocational 'on the job' training should be made by the IEDD training organisation based on sound analysis of the context within which trainees will be deployed.

7 Competency requirements and operating categories

The competency requirements have been constructed using existing knowledge and IMAS. They list the minimum requirements however, mine action organisations may demand additional competencies from their staff, for which they must be appropriately trained and qualified. According to IMAS 09.31, there are four levels of IEDD competency, each requiring different competencies within the differing operating categories. See IMAS 09.30 and 09.31 for definition of EOD and IEDD qualifications level 1, 2, 3 and 3+. Annex B to this document specifies IEDD competencies.

7.1 Pre-requisite qualifications

IEDD is a subset of EOD, the four levels of competency that have been established represent progressive qualifications which denote increasing degrees of competence based on a combination of formal training and on the job experience.

In order to qualify to train at a given level, a potential trainee should be able to demonstrate that he/she holds specific prerequisite qualifications. There is no prerequisite qualification required to train for IEDD Level 1, but for other levels all lower EOD and IEDD qualifications should be held.

Competency Level	Pre-requisite IMAS qualification						
	EOD 1	EOD 2	EOD 3	EOD 3+	IEDD 1	IEDD 2	IEDD 3
IEDD L1	-	-	-	-	-	-	-
IEDD L2	X	X	-	-	X	-	-
IEDD L3	X	X	X	-	X	X	-
IEDD L3+	X	X	X	-	X	X	X

8 Quality and audit process

Based on the selected performance criteria, appropriate assessment tools and procedures should be developed by the mine action organisation. This could for example involve the development of written tests, practical exercises, demonstrating a task, or procedures for assessment of performance during operations.

9 Responsibilities

9.1 General

On deciding to use this protocol, the competency standards may be implemented taking into consideration the following process as guidance.

9.1.1 Adaptation of Competency Standards by NMAA

The NMAA or organisation acting on its behalf should:

- a) incorporate this protocol at a national level as part of the national mine action standards;
- b) apply this protocol to enable development of operational expectations; and
- c) develop or approve a process that enables an assessment of competence and quality management.

9.1.2 Mine action organisations

Mine action organisations should:

- a) equate the specific job roles to the levels of competence defined by IMAS 09.30 EOD, IMAS 09.31 IEDD, specified by T&EP 09.30/01/2014, and by this protocol. If a role does not equate readily to the levels of competency described, then the relevant units of competency or operating category may be extracted to define the specific IEDD role; and
- b) develop a system of measuring the competency of their work force. This assessment should be based on the performance criteria and describe what is to be accomplished to fulfil a competency unit and how that is to be accomplished according to organisational or national regulations.

9.1.3 IEDD training organisations

The relevant training authority (training school, NGO, commercial company, military unit, etc.) should;

- a) compare the organisation's procedures, training and current competency assessment processes with the national policy and standards;
- b) develop or adjust training plans based on this comparison;
- c) develop or adjust assessment procedures and material, enabling both assessment of
- d) trainees and personnel recruited from external organisations; and
- e) establish and maintain certification procedures so that training completion certificates explicitly list the disciplines on which the individual has been trained and has qualified as competent.

Annex A (Normative) References

The following normative documents contain provisions, which, through reference in this text, constitute provisions of this part of the standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of the standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid ISO or EN:

- a) IMAS 04.10 - Glossary of mine action terms, definitions and abbreviations; and
- b) IMAS 07.12 – Quality Management in Mine Action;
- c) IMAS 07.14 – Risk Management in Mine Action;
- d) IMAS 09.30 - EOD;
- e) IMAS 09.31 – IEDD;
- f) T&EP 09.30/01/2014

The latest version/edition of these references should be used. GICHD holds copies of all references used in this standard. A register of the latest version/edition of the IMAS series, guides and references is maintained by GICHD, and can be read on the IMAS website (<http://www.mineactionstandards.org>). NMAA, employers and other interested bodies and organisations should obtain copies before commencing mine action programmes.

Annex B (Normative) Complete Competency List: IEDD Level 1- 3 and 3+ Competencies

IEDD competencies for Levels 1-3 and 3+ must be contextually relevant, meaning that they need to be cross-referenced within the category definitions for each IEDD level. The precise requirements for a competency at one level may vary to the next, despite being listed as the same competency unit.

Competency Number	Competency Category	Competency Cluster	Competency Root	Competency Title	Competency Description	Level Designation
1. Theory & Knowledge						
1.1.1.1	Theory & Knowledge	Electrical Theory	Electrical Circuits	Water Analogy	Understand concept of a circuit as a pipe of water - complete circuit for for flow to take place, resistance as a restriction	1 Searcher / Deminer
1.1.1.2	Theory & Knowledge	Electrical Theory	Electrical Circuits	Circuits, Batteries, Resistance	Understand circuits, batteries and how resistance affects power available for useful work $I=V/R$, $P=VI$	2 Team Assistant
1.1.1.3	Theory & Knowledge	Electrical Theory	Electrical Circuits	Collapsing Circuits	Aware that collapsing circuits exist and understand why semi-remote means mitigates this risk. Be able to explain examples of relay- and SCR-based collapsing circuits and relative power requirements	3 IEDD Operator
1.1.2.1	Theory & Knowledge	Electrical Theory	Electrical Applications	Electical Demolition Circuits	Explain application of electrical circuits to demolition procedures, e.g. length of cable, resistance	1 Searcher / Deminer

1.1.2.2	Theory & Knowledge	Electrical Theory	Electrical Applications	Common IED circuits	Explain components of a circuit as they relate to device makeup: power source, arming and firing switches, detonator, main charge	2 Team Assistant
1.11.35.1	Theory & Knowledge	SOP framework and referring up	Mandatory Actions	Aware	Be aware that mandatory actions exist	1 Searcher / Deminer
1.11.35.2	Theory & Knowledge	SOP framework and referring up	Mandatory Actions	List	List mandatory actions and act as sounding board for operator: Remote / Semi-remote only, Recent IED emplacement or potential targeting cease work, standard RSPs for specific devices, All components moved remotely or semi-remotely prior to manual handling	2 Team Assistant
1.11.35.3	Theory & Knowledge	SOP framework and referring up	Mandatory Actions	Know	Know the mandatory actions and why each one is there	3 IEDD Operator
1.11.35.4	Theory & Knowledge	SOP framework and referring up	Mandatory Actions	Write	Review, adjust or write sensible mandatory actions	3+ IEDD Adv Skills
1.11.36.1	Theory & Knowledge	SOP framework and referring up	Prohibitions & Control Measures	Aware	Be aware that prohibitions exist	1 Searcher / Deminer
1.11.36.2	Theory &	SOP	Prohibitions &	List	List SOP task and operational risk management control	2 Team

	Knowledge	framework and referring up	Control Measures		measures	Assistant
1.11.36.3	Theory & Knowledge	SOP framework and referring up	Prohibitions & Control Measures	Know	Know the control measures and why each one is there	3 IEDD Operator
1.11.36.4	Theory & Knowledge	SOP framework and referring up	Prohibitions & Control Measures	Write	Review, adjust, delete or write control measures as situation demands	3+ IEDD Adv Skills
1.11.37.2	Theory & Knowledge	SOP framework and referring up	Standard RSPs	Know the SOPs	Know the subject and content of each SOP	2 Team Assistant
1.11.37.3	Theory & Knowledge	SOP framework and referring up	Standard RSPs	Use the SOPs	Apply SOPs sensibly, where appropriate	3 IEDD Operator
1.11.37.4	Theory & Knowledge	SOP framework and referring up	Standard RSPs	Review and write SOPs	Given theatre-specific knowledge, write SOPs for common or standard device types	3+ IEDD Adv Skills
1.11.38.1	Theory & Knowledge	SOP framework and referring	Why SOPs are important	Understand importance of SOPs	Explain why SOPs make for efficient and safe operations when applied correctly	1 Searcher / Deminer

		up				
1.11.39.2	Theory & Knowledge	SOP framework and referring up	Referral system	Understand referral system	Check operator actions by acting as sounding board for operator if they desire to disregard an element of an SOP	2 Team Assistant
1.11.39.3	Theory & Knowledge	SOP framework and referring up	Referral system	Use referral system	Refer to advanced operator with clear reasoning in order to act outside of SOPs	3 IEDD Operator
1.11.39.4	Theory & Knowledge	SOP framework and referring up	Referral system	Be referral system	Check operator actions by acting as referral authority for operators	3+ IEDD Adv Skills
1.11.9.1	Theory & Knowledge	SOP framework and referring up	Knowledge of SOPs	Awareness of SOPs	Aware of the SOPs and that they should be followed unless fully justified in exceptional circumstances	1 Searcher / Deminer
1.11.9.2	Theory & Knowledge	SOP framework and referring up	Knowledge of SOPs	Know the SOPs	Know the SOPs, hold operator accountable	2 Team Assistant
1.11.9.3	Theory & Knowledge	SOP framework and referring up	Knowledge of SOPs	Demonstrate SOPs	Know the SOPs, understand the SOP framework, why it's there and how to move outside it	3 IEDD Operator

1.11.9.4	Theory & Knowledge	SOP framework and referring up	Knowledge of SOPs	SOP framework	Write SOPs specific to the area of operations	3+ IEDD Adv Skills
1.13.33.1	Theory & Knowledge	IEDD Principles & Philosophy	Aim of HIEDD operations	Awareness	Aware that there is an aim of IEDD operations / guiding philosophy	1 Searcher / Deminer
1.13.33.2	Theory & Knowledge	IEDD Principles & Philosophy	Aim of HIEDD operations	Knowledge	Know the aim / guiding philosophy of HIEDD operations: e.g. Save life, Prevent Damage, Restore situation to normality, Collection of information where safe to do so	2 Team Assistant
1.13.33.3	Theory & Knowledge	IEDD Principles & Philosophy	Aim of HIEDD operations	Use	Use the aim of IEDD operations to shape RSP and general EOD activity	3 IEDD Operator
1.13.34.1	Theory & Knowledge	IEDD Principles & Philosophy	IEDD / HIEDD Principles	Awareness	Aware that principles of HIEDD exist	1 Searcher / Deminer
1.13.34.2	Theory & Knowledge	IEDD Principles & Philosophy	IEDD / HIEDD Principles	Knowledge	Know the principles of HIEDD: e.g. Remote, semi-remote; Dem in situ, Neutralisation by disruption, One person risk , Soak times, PPE, No manual actions, Cordon and Evacuation.	2 Team Assistant
1.13.34.3	Theory & Knowledge	IEDD Principles & Philosophy	IEDD / HIEDD Principles	Use	Develop RSP by using the aim of IEDD operations to shape decisions and options	3 IEDD Operator
1.15.14.1	Theory &	Threat	Current threat	Know relevant	Summarise past military activities relevant to the task	1 Searcher /

	Knowledge	Assessment	assessment	task site history	area, and how this affects likely device emplacement	Deminer
1.15.14.2	Theory & Knowledge	Threat Assessment	Current threat assessment	Know relevant area history	Summarise past military activities at a district level and how this affects IED emplacement and TTPs	2 Team Assistant
1.15.14.3	Theory & Knowledge	Threat Assessment	Current threat assessment	Know regional history and trends	Explain regional military activities and trends in ordnance / IED use over time and how this impacts the area of clearance operations	3 IEDD Operator
1.15.14.4	Theory & Knowledge	Threat Assessment	Current threat assessment	Proactive horizon scanning	At a transnational level, understand device type and TTP migration and be able to adjust team SOPs accordingly	3+ IEDD Adv Skills
1.15.17.1	Theory & Knowledge	Threat Assessment	Radio controlled threats	Sources of RF	Know common sources of RF signals and interference e.g. radios, mobile phones, atmospheric activity	1 Searcher / Deminer
1.15.17.3	Theory & Knowledge	Threat Assessment	Radio controlled threats	Attack and spurious signals	Understand attack signals and the likely effect of spurious signals on types of RC IED	3 IEDD Operator
1.15.17.4	Theory & Knowledge	Threat Assessment	Radio controlled threats	Monitor RF spectrum	Maintain an up-to-date knowledge of RF-based devices available in the area and review electronic safety jamming coverage in the light of current situation	3+ IEDD Adv Skills
1.15.49.1	Theory & Knowledge	Threat Assessment	Threat triad	Knowledge	Know the threat triad and how this applies to daily searching	1 Searcher / Deminer
1.15.49.2	Theory & Knowledge	Threat Assessment	Threat triad	Understanding	Know the threat triad and understand how this affects humanitarian search and clearance	2 Team Assistant
1.15.49.3	Theory &	Threat	Threat triad	Usage	Use the threat triad during threat assessment process	3 IEDD Operator

	Knowledge	Assessment				
1.18.147.2	Theory & Knowledge	IED Makeup & Types	Time	Know categories	Explain difference in mechanical, electronic and chemical time and identify likely components	2 Team Assistant
1.18.147.3	Theory & Knowledge	IED Makeup & Types	Time	Competent assessment	Understand targeting with time device and how threat assessment and soak periods are related to this	3 IEDD Operator
1.18.147.4	Theory & Knowledge	IED Makeup & Types	Time	Horizon scanning	Monitor incidence of time devices and modify SOPs as required	3+ IEDD Adv Skills
1.18.148.2	Theory & Knowledge	IED Makeup & Types	Command	Know categories	Explain difference in CW, RC, Projectile Command and Command Pull and identify likely components	2 Team Assistant
1.18.148.3	Theory & Knowledge	IED Makeup & Types	Command	Competent assessment	Understand domination protocols, and how threat assessment leads to RSP formulation	3 IEDD Operator
1.18.148.4	Theory & Knowledge	IED Makeup & Types	Command	Horizon scanning	Monitor incidence of command devices and modify SOPs as required	3+ IEDD Adv Skills
1.18.149.2	Theory & Knowledge	IED Makeup & Types	Victim Operated	Know categories	Explain pressure plate, PIR, booby trap pull and other VO methods and identify likely components	2 Team Assistant
1.18.149.3	Theory & Knowledge	IED Makeup & Types	Victim Operated	Competent assessment	Understand arming and remote arming of VO and how threat assessment and soak periods are related to this	3 IEDD Operator
1.18.149.4	Theory & Knowledge	IED Makeup & Types	Victim Operated	Horizon scanning	Monitor incidence of switch types and ability of detectors to locate, modify SOPs as required	3+ IEDD Adv Skills
1.18.172.1	Theory & Knowledge	IED Makeup & Types	IED and Booby Trap	Understand the uses of IEDs and their	Gain an understanding of IEDs and their types. Lessons to include likely scenarios where IEDs can be suspected	1 Searcher / Deminer

				effects		
1.18.40.1	Theory & Knowledge	IED Makeup & Types	Components of an IED	Name and know	Name generic IED components and know what is likely to be found.	1 Searcher / Deminer
1.18.40.2	Theory & Knowledge	IED Makeup & Types	Components of an IED	Identify given whole	Identify component parts of an IED from a laid out, fully-revealed device	2 Team Assistant
1.18.40.3	Theory & Knowledge	IED Makeup & Types	Components of an IED	Identify given part	Identify likely component parts of an IED as they are revealed during a task	3 IEDD Operator
1.18.41.1	Theory & Knowledge	IED Makeup & Types	IED Types	Generic devices	Know common device types found in region and the most likely components identified during searches	1 Searcher / Deminer
1.18.41.2	Theory & Knowledge	IED Makeup & Types	IED Types	Understand targeting	Understand how common device types target victims or property and how this affects current operations	2 Team Assistant
1.18.41.3	Theory & Knowledge	IED Makeup & Types	IED Types	In depth understanding	Understand how device makeup and targeting method influence choice of RSP	3 IEDD Operator
1.2.168.1	Theory & Knowledge	Explosive Theory	Explosive trains	Understand the Explosive Train	Be able to understand and explain the component parts and its use in EOD	1 Searcher / Deminer
1.2.168.2	Theory & Knowledge	Explosive Theory	Explosive trains	Understand the Explosive Train	Be able to understand and explain the component parts and its use in EOD and how it's use is utilised in EOD for demolitions	2 Team Assistant
1.2.3.1	Theory & Knowledge	Explosive Theory	Characteristics of Explosions	Blast Injury and Damage	Explain blast wave and associated damage / injury and what safety distances team and public should be given	1 Searcher / Deminer
1.2.3.2	Theory & Knowledge	Explosive Theory	Characteristics of Explosions	Impulse and Structures	Explain impulse and its effect on structures and human beings, e.g. wall collapse, lung and ear drum issues	2 Team Assistant

1.2.4.1	Theory & Knowledge	Explosive Theory	Chemistry of Explosives	Low and High Explosives	Explain the difference between low and high explosive and give examples of each, e.g. gunpowder, C4	1 Searcher / Deminer
1.2.4.2	Theory & Knowledge	Explosive Theory	Chemistry of Explosives	Velocity of Detonation	Explain velocity of detonation and brisance and why these are two important factors in demolition activities	2 Team Assistant
1.2.4.3	Theory & Knowledge	Explosive Theory	Chemistry of Explosives	High Explosives	Understand chemistry in terms of fuel and oxidizers and common chemical bonds. Aware of common groupings of explosives: nitramines, esters, peroxides	3 IEDD Operator
1.2.5.1	Theory & Knowledge	Explosive Theory	HME	HME Precursors	Know common HME precursors, e.g. ammonium nitrate, peroxides	1 Searcher / Deminer
1.2.5.3	Theory & Knowledge	Explosive Theory	HME	Handling of HME	Explain HME handling precautions and identification during task or find	3 IEDD Operator
1.22.120.3	Theory & Knowledge	Demolition Procedures	HME disposal	Small quantities	Dispose of small quantities of HME using open detonation	3 IEDD Operator
1.22.120.4	Theory & Knowledge	Demolition Procedures	HME disposal	Large quantities	Dispose of large quantities of HME using open detonation or burning techniques	3+ IEDD Adv Skills
1.22.133.3	Theory & Knowledge	Demolition Procedures	Assess time in ground	Assess & Adapt	Assess state of main charge based on likely time in the ground and use this to inform demolition techniques	3 IEDD Operator
1.22.29.1	Theory & Knowledge	Demolition Procedures	Single Item Demolition	Team member	Assist in demolition procedures, preparing equipment, manning cordon etc	1 Searcher / Deminer
1.22.29.2	Theory & Knowledge	Demolition Procedures	Single Item Demolition	Assistant	Prepare demolition accessories and explosives required for the demolition, brief ICP personnel	2 Team Assistant
1.22.29.3	Theory &	Demolition	Single Item	Demolition	Conduct demolition and associated planning of a single	3 IEDD Operator

	Knowledge	Procedures	Demolition	Officer	item, e.g. main charge of IED	
1.22.30.1	Theory & Knowledge	Demolition Procedures	Single Item Demolition in situ	Team member	Assist during demolition procedure as required	1 Searcher / Deminer
1.22.30.2	Theory & Knowledge	Demolition Procedures	Single Item Demolition in situ	Assistant	Brief ICP and cordon personnel when operator on target	2 Team Assistant
1.22.30.3	Theory & Knowledge	Demolition Procedures	Single Item Demolition in situ	Demolition Officer	Conduct demolition in-situ of IED, having identified all components and isolated as required	3 IEDD Operator
1.22.30.4	Theory & Knowledge	Demolition Procedures	Single Item Demolition in situ	Referral Authority	Assure safety through acting as referral authority for when in-situ demolition carries increased risk to property	3+ IEDD Adv Skills
1.22.31.1	Theory & Knowledge	Demolition Procedures	Multi-item demolition	Team member	Assist as team member in demolition procedure, preparing equipment, manning cordon etc	1 Searcher / Deminer
1.22.31.2	Theory & Knowledge	Demolition Procedures	Multi-item demolition	Assistant	Prepare demolition accessories and explosives required for the demolition, brief ICP personnel	2 Team Assistant
1.22.31.3	Theory & Knowledge	Demolition Procedures	Multi-item demolition	Demolition Officer	Conduct demolition - storage, transport and prep of main charges, correct selection of initiation train, management of site	3 IEDD Operator
1.22.31.4	Theory & Knowledge	Demolition Procedures	Multi-item demolition	Referral Authority	Check operator actions through acting as sounding board for operator having to transport IED main charges to assist in managing risk	3+ IEDD Adv Skills

1.22.32.2	Theory & Knowledge	Demolition Procedures	Non-DAC demolition stores	Prepare explosive	Prepare binary explosive, or small EFP	2 Team Assistant
1.22.32.3	Theory & Knowledge	Demolition Procedures	Non-DAC demolition stores	Use explosive in demolitions	Design and plan demolitions initiated and boosted using binary explosives or small EFP	3 IEDD Operator
1.3.7.1	Theory & Knowledge	Disruption Techniques	Disrupters	Disrupter awareness	Awareness of disrupter types, their target effects and approximate associated danger areas	1 Searcher / Deminer
1.3.7.2	Theory & Knowledge	Disruption Techniques	Disrupters	Basic disrupter theory	Knowledge of weapon effect and danger area template	2 Team Assistant
1.3.7.3	Theory & Knowledge	Disruption Techniques	Disrupters	Disrupter theory	Detailed knowledge of weapon effects on various targets and improvised methods such as water bottle disruptors	3 IEDD Operator
1.3.8.1	Theory & Knowledge	Disruption Techniques	Cutters	Cutter awareness	Awareness of remote cutters and their effectiveness, energetics-powered or mechanical	1 Searcher / Deminer
1.3.8.2	Theory & Knowledge	Disruption Techniques	Cutters	Basic cutter theory	Awareness of weapon danger area and use in RSP	2 Team Assistant
1.3.8.3	Theory & Knowledge	Disruption Techniques	Cutters	Cutter theory	Understand options for cutter placement and use in various positions in an IED circuit	3 IEDD Operator
1.30.10.3	Theory & Knowledge	Search Techniques & Safe Access	Device Area Search Techniques	Device area search	Demonstrate systematic search techniques for use in vicinity of device, understanding the balance between confirmation and 360 degree search which could put them in danger	3 IEDD Operator

1.30.15.3	Theory & Knowledge	Search Techniques & Safe Access	Vehicle Search	Vehicle Clearance	Recognise that a vehicle search is needed and outside of competence, react, refer up	3 IEDD Operator
1.30.15.4	Theory & Knowledge	Search Techniques & Safe Access	Vehicle Search	Vehicle Clearance	Conduct vehicle clearance using remote, semi-remote and manual techniques in full PPE	3+ IEDD Adv Skills
1.30.53.3	Theory & Knowledge	Search Techniques & Safe Access	Road search	Understanding	Understand how each technique responds to a different threat during route search	3 IEDD Operator
1.30.59.2	Theory & Knowledge	Search Techniques & Safe Access	Search of human remains	Search of body: basics	Understand biological implications and protection, use of appropriate detectors, cultural sensitivities	2 Team Assistant
1.30.59.2	Theory & Knowledge	Search Techniques & Safe Access	Search of human remains	Mitigate booby-trap risk	Understand when a remote pull of a body may be desirable prior to manual search	2 Team Assistant
1.30.69.3	Theory & Knowledge	Search Techniques & Safe Access	Room Search	Room search	Demonstrate room search using available detectors and then hook and line	3 IEDD Operator
1.47.96.4	Theory & Knowledge	CBRN	CBRN Reconnaissance	Reconnaissance	Conduct reconnaissance with detectors and in PPE in order to confirm / rule out presence of CBRN agent	3+ IEDD Adv Skills
1.52.102.1	Theory & Knowledge	Secondary and tertiary devices	Understand TTPs	Recognise and be alert	Recognise the indicators of secondary devices and TTPs that incorporate them	1 Searcher / Deminer
1.52.102.3	Theory &	Secondary and tertiary	Understand	Respond	Identify likely points of secondary, tertiary and subsequent devices and incorporate them in the task	3 IEDD Operator

	Knowledge	devices	TTPs		area as appropriate	
1.65.169.1	Theory & Knowledge	IMAS EOD	Has ordnance been fired?	Develop awareness	Understand the safety difference between ordnance that has been fired and that which hasn't. Know common indicators.	1 Searcher / Deminer
1.65.170.1	Theory & Knowledge	IMAS EOD	Ordnance possible hazards	Awareness	Aware that certain types of ordnance have additional hazards associated with them and know all appropriate items in local area, e.g. PG-7 piezo fuze	1 Searcher / Deminer
1.65.171.1	Theory & Knowledge	IMAS EOD	Blast	Understand the effects of blast in EOD	Be able to calculate and demonstrate the area required for evacuation during EOD operations. Display an understanding of the effects of blast on property	1 Searcher / Deminer
1.66.123.3	Theory & Knowledge	Transportation of EO	Transportation of main charges	Assess and ensure safety	Assess whether main charge is free from secondaries and if in fit state to be moved, including use of xray if L3+ and equipment available, or at least intimate use of detector prior to movement.	3 IEDD Operator
1.66.123.4	Theory & Knowledge	Transportation of EO	Transportation of main charges	SOPs	Maintain SOP to cover the movement of main charges and detonators	3+ IEDD Adv Skills
1.66.145.2	Theory & Knowledge	Transportation of EO	Transportation of detonators	Package	Pack, compartmentalise and prepare for transit using suitable detonator containment box	2 Team Assistant
1.66.166.1	Theory & Knowledge	Transportation of EO	Handle EO	Care in handling	Be able to handle nominated items under supervision	1 Searcher / Deminer
1.66.166.2	Theory & Knowledge	Transportation of EO	Handle EO	UXO vs AXO	Understand and communicate differences in handling approaches dependent on AXO or UXO	2 Team Assistant

1.66.167.1	Theory & Knowledge	Transportation of EO	Transport Legislation	Awareness	Aware that transportation legislation exists and must be adhered to	1 Searcher / Deminer
1.68.128.1	Theory & Knowledge	Survey Techniques	CLO	Interview	Demonstrate ability to interview during community engagement or liaison. Interview local inhabitants regarding community impact using standard form or app-based electronic form	1 Searcher / Deminer
1.68.129.1	Theory & Knowledge	Survey Techniques	NTS	Interview & collate	Demonstrate ability to interview and gather information about a defined area using non-intrusive NTS techniques	1 Searcher / Deminer
1.68.129.2	Theory & Knowledge	Survey Techniques	NTS	Write up	Write up collated information in to theatre-accepted NTS submission	2 Team Assistant
1.68.130.1	Theory & Knowledge	Survey Techniques	TS	Detect	Conduct detection and / or physical confirmation during intrusive TS activity	1 Searcher / Deminer
1.68.131.2	Theory & Knowledge	Survey Techniques	EOR	Report ERW	Conduct simple EOR using naked eye, detector and / or CCTV and report ERW presence using form or app	2 Team Assistant
1.68.131.3	Theory & Knowledge	Survey Techniques	EOR	Assess ERW	Identify generic type of ERW during EOR and report using form or app	3 IEDD Operator
1.7.25.1	Theory & Knowledge	Task Conduct	Stages of an EOD / IEDD task	Awareness	Understand what happens in each stage of an IEDD task and the phases: Arrival, Questioning and Threat Assessment, Evaluation & Planning, Execution, Final Disposal	1 Searcher / Deminer
1.7.25.2	Theory & Knowledge	Task Conduct	Stages of an EOD / IEDD task	Knowledge	Understand the progression of an IEDD task and be able to recognise where in a particular task they are	2 Team Assistant

1.7.25.3	Theory & Knowledge	Task Conduct	Stages of an EOD / IEDD task	Use	Use the phases of an IEDD task to assist in planning RSP and associated activities	3 IEDD Operator
1.7.48.1	Theory & Knowledge	Task Conduct	Safe Waiting Periods	Awareness	Know that soak periods exist and for how long	1 Searcher / Deminer
1.7.48.2	Theory & Knowledge	Task Conduct	Safe Waiting Periods	Knowledge	Understand the different soak periods to apply, to act as check for operator	2 Team Assistant
1.7.48.3	Theory & Knowledge	Task Conduct	Safe Waiting Periods	Application	Demonstrate correct application of soak periods and a fundamental understanding of why they are there	3 IEDD Operator
1.7.48.4	Theory & Knowledge	Task Conduct	Safe Waiting Periods	Review	Review soak periods, the rationale behind them and current values a regular basis	3+ IEDD Adv Skills
1.7.60.1	Theory & Knowledge	Task Conduct	Task Classification	Know task classifications	Know the possible IED task classifications and associated priorities for the searcher	1 Searcher / Deminer
1.7.60.2	Theory & Knowledge	Task Conduct	Task Classification	Understand task classifications	Assist the operator in declaring a particular task, pre-populating report form where appropriate	2 Team Assistant
1.7.60.3	Theory & Knowledge	Task Conduct	Task Classification	Classify task	Declare a task for reporting purposes	3 IEDD Operator
2. Equipment Skills						
2.24.78.1	Equipment Skills	Demolition Accessories & Explosives	Know, prepare and use	Assist	Assist in preparing demolition accessories, storage and transportation of explosives	1 Searcher / Deminer

2.24.78.2	Equipment Skills	Demolition Accessories & Explosives	Know, prepare and use	Prepare	Prepare demolition accessories, and maintain positive control of exploder	2 Team Assistant
2.24.78.3	Equipment Skills	Demolition Accessories & Explosives	Know, prepare and use	Use	Use demolition accessories confidently and correctly, following recognised procedures	3 IEDD Operator
2.25.11.1	Equipment Skills	Hook & Line	Use of Hook & Line	Simple pull	Demonstrate simple pull under supervision of lead operator	1 Searcher / Deminer
2.25.11.2	Equipment Skills	Hook & Line	Use of Hook & Line	Rig body / door pull	Rig a body / door pull with change of direction	2 Team Assistant
2.25.11.3	Equipment Skills	Hook & Line	Use of Hook & Line	Complex pulls	Demonstrate complex, multi-angle pulls using multiple ropes and control of team during the operation	3 IEDD Operator
2.27.125.1	Equipment Skills	Semi-remote disruptors & cutters	Firing cable procedures	Awareness	Aware of procedure for remote weapon functioning	1 Searcher / Deminer
2.27.125.2	Equipment Skills	Semi-remote disruptors & cutters	Firing cable procedures	Follow	Follow firing cable procedures for remote weapons, including exploder safety	2 Team Assistant
2.27.125.3	Equipment Skills	Semi-remote disruptors & cutters	Firing cable procedures	Command	Demonstrate clear command and control: Following weapon placement, give command to function	3 IEDD Operator
2.27.126.1	Equipment Skills	Semi-remote disruptors & cutters	EOD Weapon danger templates	Aware	Aware that EOD weapons have implicit danger areas	1 Searcher / Deminer

2.27.126.3	Equipment Skills	Semi-remote disruptors & cutters	EOD Weapon danger templates	Plan	Apply knowledge of weapon danger area to placement during task	3 IEDD Operator
2.27.79.1	Equipment Skills	Semi-remote disruptors & cutters	Effective risk reduction	Understand	Understand that confirmation of suspect item is often enough to use semi-remote means on	1 Searcher / Deminer
2.27.79.3	Equipment Skills	Semi-remote disruptors & cutters	Effective risk reduction	Use to reduce risk	Employ semi-remote techniques to incrementally reduce operator exposure to armed IED	3 IEDD Operator
2.28.162.1	Equipment Skills	Use Detectors	Wire detector	Use Wire Detectors	Demonstrate ability to use a wire detector, integrated with other search techniques, to assist in locating command wires during isolation / box off searches	1 Searcher / Deminer
2.28.162.2	Equipment Skills	Use Detectors	Wire detector	Direct Wire Detection	Assess where command wire location is most likely to be located, using knowledge of the ground / linear features and emplacement tactics	2 Team Assistant
2.28.162.3	Equipment Skills	Use Detectors	Wire detector	Decide response	Assess located wire. Given detection of a wire using a wire detector, assessment of whether this is a likely component of an IED or not. Act accordingly.	3 IEDD Operator
2.28.80.1	Equipment Skills	Use Detectors	Wide area search	Wide area search	Competent and consistent use of detector during wide area search	1 Searcher / Deminer
2.28.81.1	Equipment Skills	Use Detectors	Search in and around IEDs	Confirmation	Use of detector around (near) side of IED to assist in confirmation	1 Searcher / Deminer
2.28.81.3	Equipment Skills	Use Detectors	Search in and around IEDs	Delineation	Use of detectors around IED to assist in delineation and understanding device layout	3 IEDD Operator

2.31.158.4	Equipment Skills	ROV / Robots	Prepare and deploy	Prepare and deploy	Prepare ROV including EOD weapons and deploy under guidance of operator to target	3+ IEDD Adv Skills
2.31.159.4	Equipment Skills	ROV / Robots	Disrupt using ROV	Control	Guide IEDD assistant in control of ROV to target, selection of aiming point and issue permission to fire when cordon ready	3+ IEDD Adv Skills
2.31.45.4	Equipment Skills	ROV / Robots	EOR using ROV or UAS	Control platform	Arrange relevant licences for flying and direct platform operator during EOR, gathering information and imagery to update the threat assessment / RSP	3+ IEDD Adv Skills
2.31.45.4	Equipment Skills	ROV / Robots	EOR using ROV or UAS	Operate platform	Prepare and deploy platform (ROV, UAS) with optics / TI including remote search for secondary devices	3+ IEDD Adv Skills
2.31.82.4	Equipment Skills	ROV / Robots	Prepare and deploy	Control	Control movement of ROV in and around target and identify when EOD action is to be taken	3+ IEDD Adv Skills
2.31.83.4	Equipment Skills	ROV / Robots	Disrupt using ROV	Aim and activate	Position disruptor / cutter under guidance of operator and fire when authorised when using ROV	3+ IEDD Adv Skills
2.32.160.4	Equipment Skills	X-ray	Use of X-ray	Assist	Prepare of x-ray equipment	3+ IEDD Adv Skills
2.32.84.4	Equipment Skills	X-ray	Use of X-ray	Prepare and capture	Prepare x-ray equipment and capture / develop image when ready	3+ IEDD Adv Skills
2.32.84.4	Equipment Skills	X-ray	Use of X-ray	Place and interpret	Place, position, x-ray emitter and plate appropriately and interpret image to inform RSP	3+ IEDD Adv Skills
2.33.18.4	Equipment Skills	Electronic Safety Jamming	Maintain jamming equipment	Maintenance	Maintain electronic safety jamming equipment to a set servicing schedule	3+ IEDD Adv Skills

2.33.19.4	Equipment Skills	Electronic Safety Jamming	Deploy and operate jamming equipment	Operate electronic safety jamming	If required, activate, place and monitor electronic safety jamming equipment to create safe operating zone	3+ IEDD Adv Skills
2.33.20.4	Equipment Skills	Electronic Safety Jamming	Interoperability	Interoperability	Understand implications of working with other agencies and what effect electronic safety jamming will have	3+ IEDD Adv Skills
2.38.13.1	Equipment Skills	Prepare metal detectors / GPR	Prepare detectors	User checks	Demonstrate switch on, confidence checks and calibration procedure	1 Searcher / Deminer
2.38.61.1	Equipment Skills	Prepare metal detectors / GPR	Calibration	User calibration	Conduct detector calibration checks on a daily / as required basis	1 Searcher / Deminer
2.38.61.2	Equipment Skills	Prepare metal detectors / GPR	Calibration	Second line calibration assist	Assist visiting calibration tech in preparing the detection equipment	2 Team Assistant
2.38.61.3	Equipment Skills	Prepare metal detectors / GPR	Calibration	Trigger calibration	Understand the warning signs of equipment off-calibration and trigger action where needed	3 IEDD Operator
2.4.105.1	Equipment Skills	Weapon Preparation	Weapon preparation	Assist	Assist with preparation of EOD weapons under supervision	1 Searcher / Deminer
2.4.105.2	Equipment Skills	Weapon Preparation	Weapon preparation	Prepare	Prepare (and disarm) EOD weapons safely during task without supervision	2 Team Assistant
2.4.105.3	Equipment	Weapon	Weapon	Change mode	Change EOD weapon / mode safely during task	3 IEDD Operator

	Skills	Preparation	preparation			
2.4.12.1	Equipment Skills	Weapon Preparation	Weapon placement	Information	Assimilate detailed information on device location to support operator's plan through backbriefing / drawing find	1 Searcher / Deminer
2.4.12.2	Equipment Skills	Weapon Preparation	Weapon placement	Know principles	Know longest route, backstop, avoiding switch or main charge etc	2 Team Assistant
2.4.12.3	Equipment Skills	Weapon Preparation	Weapon placement	Show principles	Demonstrate the principles during task and explain the impact of weapon placement choice on subsequent technical assessment	3 IEDD Operator
2.43.89.1	Equipment Skills	Cameras & GPS	Effective use of Camera and GPS	Camera and GPS	Use GPS and camera to record accurate position and give operator best assessment of find. Sketch or markup photo where necessary.	1 Searcher / Deminer
2.43.89.2	Equipment Skills	Cameras & GPS	Effective use of Camera and GPS	Setup Camera and GPS	Programme and use GPS and /or GPS-enabled camera to record geo-referenced area photos. Take photos and record positions where required.	2 Team Assistant
2.43.89.3	Equipment Skills	Cameras & GPS	Effective use of Camera and GPS	Device images	Use camera to record detailed device details, postprocess to incorporate geo-reference if required	3 IEDD Operator
2.49.98.4	Equipment Skills	CBRN Detectors	Use CBRN Detectors	Detectors	Operate available CBRN detectors	3+ IEDD Adv Skills
2.50.106.1	Equipment Skills	PPE	Prepare Operator PPE	Assist	Assist with preparation of Operator PPE	1 Searcher / Deminer
2.50.106.2	Equipment	PPE	Prepare	Prepare	Prepare Operator PPE, assist in donning and check	2 Team

	Skills		Operator PPE		before manual approach	Assistant
2.50.106.3	Equipment Skills	PPE	Prepare Operator PPE	Don	Don the PPE correctly, adjust settings as required	3 IEDD Operator
2.50.99.1	Equipment Skills	PPE	PPE use	Don	Don PPE and carry out search duties wearing it	1 Searcher / Deminer
2.50.99.3	Equipment Skills	PPE	PPE use	Dispense	Judge when PPE not required or effective and refer up if required.	3 IEDD Operator
2.54.107.1	Equipment Skills	Maintenance	Carry out equipment maintenance	Assist	Assist team in equipment maintenance for both personal and team items	1 Searcher / Deminer
2.54.107.2	Equipment Skills	Maintenance	Carry out equipment maintenance	Maintain	Maintain team equipment, adhering to schedules and SOPs	2 Team Assistant
2.54.107.3	Equipment Skills	Maintenance	Carry out equipment maintenance	Inspect and review	Carry out periodic inspection of team kits and personal issue items and keep maintenance schedules under review	3 IEDD Operator
2.55.108.1	Equipment Skills	Limits and Deviation	Know limits of equipment	Know equipment limits	Know the limitations, acceptable deviation and how to adjust the equipment, e.g. detector threshold detection level, battery voltage level in exploder etc.	1 Searcher / Deminer
2.69.134.3	Equipment Skills	Mechanical Techniques	Assistance to manual	Plan & Operate	Plan clearance task to make use of mechanical asset, how it will be called forward and develop correct actions on	3 IEDD Operator
2.69.135.2	Equipment	Mechanical	Rubble	Banksman	Depending on threat assessment, act as banksman or	2 Team

	Skills	Techniques	removal		to be called forward to identify likely ERW	Assistant
2.69.135.3	Equipment Skills	Mechanical Techniques	Rubble removal	Plan, Supervise & Destroy	Plan rubble clearance, supervise during execution and carry out demolition of resultant ERW	3 IEDD Operator
2.69.136.3	Equipment Skills	Mechanical Techniques	Armoured plant	Site supervisor	Supervise mechanical clearance during execution, be prepared to conduct demolitions in support	3 IEDD Operator
2.69.136.4	Equipment Skills	Mechanical Techniques	Armoured plant	Plan	Plan clearances where mechanical asset is primary means of clearance	3+ IEDD Adv Skills
2.74.154.1	Equipment Skills	IEDD Tools	Suitable tools	Prepare	Prepare tools for Level 2/3: detectors, disruptors, donor charges, hook and line, hand tools (snips, tape etc), detonator tin, marking kit, excavation tools	1 Searcher / Deminer
2.74.154.2	Equipment Skills	IEDD Tools	Suitable tools	Prepare and maintain	Prepare and maintain tools for Level 3: detectors, disruptors, donor charges, hook and line, hand tools (snips, tape etc), detonator tin, marking kit, excavation tools	2 Team Assistant
2.74.154.3	Equipment Skills	IEDD Tools	Suitable tools	Use standard kit list	Maintain in conjunction with Level 2, a carry-forward kit containing all required IEDD tools that can be added to as appropriate. Improvise hook and line equipment where not available.	3 IEDD Operator
3. Reporting & Data						
3.34.57.1	Reporting & Data	IMSMA terminology	TS and NTS as applied to HIEDD	Understand NTS / TS	Understand the difference between IMAS technical (intrusive) and non-technical (non-intrusive) survey	1 Searcher / Deminer

3.34.57.3	Reporting & Data	IMSMA terminology	TS and NTS as applied to HIEDD	Interpret NTS / TS	Interpret the results of TS / NTS and plan follow-up clearance operations, recommend suitable assets	3 IEDD Operator
3.34.58.1	Reporting & Data	IMSMA terminology	SHA, CHA and spot tasks	Understand SHA, CHA, spot tasks	Understand the IMAS terminology and how this relates to HIEDD - especially for VO IEDs laid as improvised mines in minefields.	1 Searcher / Deminer
3.34.58.2	Reporting & Data	IMSMA terminology	SHA, CHA and spot tasks	Mark SHA, CHA, spot tasks	Mark, log and record SHA / CHA / Spot tasks	2 Team Assistant
3.34.58.3	Reporting & Data	IMSMA terminology	SHA, CHA and spot tasks	Land release	Understand the IMAS concept of land release and ensure that SHA, CHA and spot tasks are correctly captured	3 IEDD Operator
3.35.85.1	Reporting & Data	Reporting requirements	Post task reporting	Contribute	Provide verbal or written input to post task reporting	1 Searcher / Deminer
3.35.85.2	Reporting & Data	Reporting requirements	Post task reporting	Aggregate	Gather information during task and take notes, maintain task log	2 Team Assistant
3.35.85.3	Reporting & Data	Reporting requirements	Post task reporting	Photos and content	Take geotagged photos, compile narrative, declaration and technical assessment	3 IEDD Operator
3.35.85.4	Reporting & Data	Reporting requirements	Post task reporting	Review and QC	Review quality of report and data for QC	3+ IEDD Adv Skills
3.36.21.1	Reporting & Data	Reporting	Reporting during task	Team communication	Report progress to other team members during task using appropriate communication method	1 Searcher / Deminer
3.36.21.2	Reporting &	Reporting	Reporting	Report	Report basic task progress to personnel in ICP e.g.	2 Team

	Data		during task	progress	police officers, local leaders	Assistant
3.36.21.3	Reporting & Data	Reporting	Reporting during task	Report progress in detail	Brief via radio, telephone or in person the cordon commander or other personnel in authority	3 IEDD Operator
3.36.22.1	Reporting & Data	Reporting	Post-task reporting	Describe find	Describe in detail what has been found to the operator, how it has been marked and how to approach it	1 Searcher / Deminer
3.36.22.2	Reporting & Data	Reporting	Post-task reporting	Task record	Provide written record and diagram of task to assist in operational logging	2 Team Assistant
3.36.22.3	Reporting & Data	Reporting	Post-task reporting	Task report	Generate complete report of task on appropriate form, with accompanying photos if needed	3 IEDD Operator
3.36.22.4	Reporting & Data	Reporting	Post-task reporting	Check reports	Check and validate all generated reports (search and IED clearance) for QC purposes to ensure data accuracy	3+ IEDD Adv Skills
3.57.111.3	Reporting & Data	Post Blast Analysis	Conduct post-blast assessment	Conduct post-blast assessment	Search area, take measurements and assess charge size and type and damage. Assess intended target and effect. Record accurately.	3 IEDD Operator
3.62.117.2	Reporting & Data	Mobile Apps	Use mobile apps in reporting	Recording	Demonstrate use of mobile app for search / clearance reporting	2 Team Assistant
3.62.117.2	Reporting & Data	Mobile Apps	Use mobile apps in reporting	Use for EO reporting	Demonstrate use of mobile app to report presence of EO with accurate position and description	2 Team Assistant
3.62.117.3	Reporting &	Mobile Apps	Use mobile apps in	Technical	Demonstrate use of mobile app to generate technical	3 IEDD Operator

	Data		reporting	reporting	report on device makeup	
3.62.117.4	Reporting & Data	Mobile Apps	Use mobile apps in reporting	Data QC	Review and check accuracy of submitted data	3+ IEDD Adv Skills
3.63.119.3	Reporting & Data	Lessons learned	Lessons learned process	Contribute	Contribute to lessons learned reporting and disseminate lessons internally within team, organisation and if appropriate to other operators.	3 IEDD Operator
3.63.119.4	Reporting & Data	Lessons learned	Lessons learned process	Manage	Set up repository / process, manage and disseminate lessons learned	3+ IEDD Adv Skills
3.71.142.1	Reporting & Data	Technical Analysis	Conduct technical review	Contribute	Gather relevant information on device emplacement	1 Searcher / Deminer
3.71.142.2	Reporting & Data	Technical Analysis	Conduct technical review	Aggregate	Collate information, bag, tag and catalogue items for technical review	2 Team Assistant
3.71.142.3	Reporting & Data	Technical Analysis	Conduct technical review	Analyse	Report device makeup and technical detail in required theatre-specific format	3 IEDD Operator
3.71.142.4	Reporting & Data	Technical Analysis	Conduct technical review	Review and Design	Review and disseminate information on device technical aspects. Develop standardised electronic reporting formats where appropriate	3+ IEDD Adv Skills
3.8.132.1	Reporting & Data	Theatre Specific	Use in theatre data	Access system	Access pertinent data and carry out spatially-relevant searches, including using appropriate databases to	1 Searcher / Deminer

		Device History			assist in identifying ERW, mines.	
3.8.132.3	Reporting & Data	Theatre Specific Device History	Use in theatre data	Identify new data	Identify and submit pertinent data, adjust and improve data collection report forms as required to allow up to date threat assessment	3 IEDD Operator
3.8.132.4	Reporting & Data	Theatre Specific Device History	Use in theatre data	Other data sources	Identify and broker connection to pertinent sources of data (e.g. IMSMA)	3+ IEDD Adv Skills
3.8.16.1	Reporting & Data	Theatre Specific Device History	Interpret risk management data	Understand the briefing	Understand the team brief on likely threat reports and ask for clarification where implications for them not understood	1 Searcher / Deminer
3.8.16.2	Reporting & Data	Theatre Specific Device History	Interpret risk management data	Maintain map	Assist in maintaining an up-to-date threat map for use by the team in daily briefing, this can be paper-based or electronic	2 Team Assistant
3.8.16.3	Reporting & Data	Theatre Specific Device History	Interpret risk management data	Collate & Analyse	Lead in whole process of reading threat reports, collate data, analyse patterns and distil information and patterns for briefing to the team	3 IEDD Operator
4. Practical IEDD Skills						
4.12.72.3	Practical IEDD Skills	RSP formulation and planning	Appreciation to RSP	Assessment to action	Demonstrate a confident formulation of plan to transition from the threat and IED to RSP and restoration of normality	3 IEDD Operator
4.16.137.2	Practical IEDD Skills	Danger Areas & Task Geography	Safety of ICP	Check safety	Check safety distances and challenge operator if unjustified risk is apparent	2 Team Assistant

4.16.137.3	Practical IEDD Skills	Danger Areas & Task Geography	Safety of ICP	Ensure safety	Demonstrate knowledge of injury distances and make sure ICP / cordon use hard cover appropriately	3 IEDD Operator
4.16.71.1	Practical IEDD Skills	Danger Areas & Task Geography	Interact with civil authorities	Respectful interaction	Deal with authorities in respectful manner, referring questions outside of competence to operator	1 Searcher / Deminer
4.16.71.3	Practical IEDD Skills	Danger Areas & Task Geography	Interact with civil authorities	Clear expectations	Articulate clear instructions / requests to civil authority and reasons why a request is being made. Liaise with local police / municipal authorities to ensure on-the-ground co-operation.	3 IEDD Operator
4.17.161.3	Practical IEDD Skills	Question Technique	Questioning of witnesses	Questioning	Exhibit a strong ability to question local inhabitants, police officers, NGO workers and others to build an accurate threat assessment.	3 IEDD Operator
4.17.50.3	Practical IEDD Skills	Question Technique	Historic vs current TTPs	Historic perspective	Conduct questioning and threat review from both historic and current perspective, where possible based on credible data	3 IEDD Operator
4.21.76.3	Practical IEDD Skills	Weapon Placement	Apply principles	Best placement	Demonstrate understanding of principles of weapon placement: longest path, backstop, avoid switch etc in real-world tasks	3 IEDD Operator
4.23.153.1	Practical IEDD Skills	Application of SOPs	Working Practices	Awareness	Aware that working practices exist and are there to protect operators and their teams	1 Searcher / Deminer
4.23.153.2	Practical IEDD Skills	Application of SOPs	Working Practices	Know practices	Monitor Level 3 actions: Destruction in situ, Single wire attack, Avoid switches, Operator search, Consider multi components, Detonator removal / safety, Separation techniques, co-located switch / power, safe area,	2 Team Assistant

					device make-up, 360s, IEDD Tools	
4.23.153.3	Practical IEDD Skills	Application of SOPs	Working Practices	Understand why	Understand the reasons why working practices are detailed and what happens if they need to move outside this framework	3 IEDD Operator
4.23.77.3	Practical IEDD Skills	Application of SOPs	Apply SOPs on the ground	SOP application	Interpret, understand and correctly employ SOPs and standard RSPs to best effect	3 IEDD Operator
4.29.44.2	Practical IEDD Skills	EOR	Standoff EOR	Conduct stand off search	Using optics / TI and selecting a suitable viewpoint, conduct a visual sweep of the area	2 Team Assistant
4.29.44.3	Practical IEDD Skills	EOR	Standoff EOR	Conduct stand off EOR	Using optics /TI/UAV and using a suitable approach path, conduct a visual inspection of the identified target area	3 IEDD Operator
4.39.150.1	Practical IEDD Skills	Search Skills	IMAS L1 Techniques	Basic demining searches	Demonstrate ability to conduct 1m lane, base stick, manual clearance and BAC drills	1 Searcher / Deminer
4.39.151.1	Practical IEDD Skills	Search Skills	Adjust IMAS L1 Techniques	Adjust IMAS L1 skills	Understand the differences and demonstrate ability to conduct lane and BAC searches in IEDD context	1 Searcher / Deminer
4.39.163.1	Practical IEDD Skills	Search Skills	ERW Recognition	Recognise ERW	Recognise common ERW (Rockets, Mortars, Grenades, Projectiles, AP Mines, AV Mines, Booby Traps, Missiles, Aircraft Bomb, Cluster/Dispenser, Submunition, Demolition store, firing device, switch, Fuze, Naval, Pyrotehnic, Recoilless)	1 Searcher / Deminer
4.39.163.2	Practical IEDD Skills	Search Skills	ERW Recognition	Verify ERW	Verify Level 1 assessment of ERW found and update threat assessment	2 Team Assistant
4.39.163.3	Practical	Search Skills	ERW	Assess ERW	Assess ERW found. Given all information about the task and situation, assess whether ERW likely to be	3 IEDD Operator

	IEDD Skills		Recognition		part of an IED. Use semi-remote means as per SOP.	
4.39.173.1	Practical IEDD Skills	Search Skills	Minefield Marking	Use Minefield Marking System	Know and use a "classic" minefield marking system	1 Searcher / Deminer
4.39.174.1	Practical IEDD Skills	Search Skills	BAC Marking	Use BAC Marking System	Know and use a battle area clearance marking system	1 Searcher / Deminer
4.39.175.1	Practical IEDD Skills	Search Skills	IEDD Search Marking	Use IEDD Search Marking System	Know and use an IEDD search / clearance marking system. Understand the difference with operator search marking.	1 Searcher / Deminer
4.39.46.1	Practical IEDD Skills	Search Skills	Boxing off / CW search (per SOP if reqd)	CW search party member	Conduct command wire search with any nominated piece of equipment	1 Searcher / Deminer
4.39.46.2	Practical IEDD Skills	Search Skills	Boxing off / CW search (per SOP if reqd)	CW Search team leader	Command a command wire search	2 Team Assistant
4.39.46.3	Practical IEDD Skills	Search Skills	Boxing off / CW search (per SOP if reqd)	Direct CW Search	Determine best route given situation on ground and take part in search as necessary	3 IEDD Operator
4.39.46.4	Practical IEDD Skills	Search Skills	Boxing off / CW search (per SOP if	CW Search SOPs	Maintain supervision of teams' behaviour through reporting or in-person QA and review SOPs as required	3+ IEDD Adv Skills

			reqd)			
4.39.47.2	Practical IEDD Skills	Search Skills	Operator search	Understand marking	Know the marking system used by the operator during IED operator search	2 Team Assistant
4.39.47.3	Practical IEDD Skills	Search Skills	Operator search	Conduct effective operator search	Carry out high quality, repetitive search procedure for extended periods, at a suitable rate and whilst marking	3 IEDD Operator
4.39.47.4	Practical IEDD Skills	Search Skills	Operator search	Review marking systems	Keep marking systems under review and adjust if found to be unsafe or provides too much information about RSP procedures	3+ IEDD Adv Skills
4.39.51.1	Practical IEDD Skills	Search Skills	Ground sign awareness	Read ground sign	Know common indicators of device presence and be able to recognise them using the naked eye. This includes ability to spot associated evidence of mines and ERW e.g. strike marks, craters, insulation tape.	1 Searcher / Deminer
4.39.51.3	Practical IEDD Skills	Search Skills	Ground sign awareness	Read ground sign	Know common indicators of device presence, recognise them using the naked eye and adjust device makeup hypotheses	3 IEDD Operator
4.39.56.4	Practical IEDD Skills	Search Skills	Canine operations	Planning canine search	Plan search with canine assets, using planning yardsticks and knowledge of dog type, understand capabilities	3+ IEDD Adv Skills
4.45.91.3	Practical IEDD Skills	Vehicles	VBIED	React	Adjust cordon, request qualified Level 3+ Operator	3 IEDD Operator
4.45.91.4	Practical IEDD Skills	Vehicles	VBIED	Clear	Carry out full remote / semi-remote clearance of vehicle, neutralising as required	3+ IEDD Adv Skills

4.45.92.2	Practical IEDD Skills	Vehicles	Hazardous / CBRN	Recognise	Recognise the indicators that a task could be CBRN	2 Team Assistant
4.45.92.3	Practical IEDD Skills	Vehicles	Hazardous / CBRN	React	Adjust hazard area, don PPE and request Level 3+ Operator	3 IEDD Operator
4.45.92.4	Practical IEDD Skills	Vehicles	Hazardous / CBRN	Clear	Carry out full remote / semi-remote clearance of vehicle, neutralising as required and adapted for CBRN threat	3+ IEDD Adv Skills
4.45.93.3	Practical IEDD Skills	Vehicles	Large vehicles	React	Adjust cordon, request qualified Level 3+ Operator	3 IEDD Operator
4.45.93.4	Practical IEDD Skills	Vehicles	Large vehicles	Clear	Carry out full remote / semi-remote clearance of large vehicle, neutralising as required	3+ IEDD Adv Skills
4.46.94.3	Practical IEDD Skills	Low explosive procedures	Unconfined low explosive	Recognise and react	Recognise when unconfined low explosive is present and adopt appropriate RSP / PPE	3 IEDD Operator
4.48.127.4	Practical IEDD Skills	CBRN Procedures	Emergency Extraction	Extraction	Conduct emergency CBRN extraction	3+ IEDD Adv Skills
4.48.97.4	Practical IEDD Skills	CBRN Procedures	Conduct CBRN Procedures	Procedures	Demonstrate CBRN procedures to don, decon and conduct hot-line activities, emergency, use of PPE	3+ IEDD Adv Skills
4.64.121.3	Practical IEDD Skills	Final Demolition	Disposal skills	Conduct demolition	Demonstrate demolition techniques correctly and safely	3 IEDD Operator
4.64.155.3	Practical IEDD Skills	Final Demolition	Burning / Low Order	Use low order techniques	Employ burning or other low order technique, whilst planning for high-order, to effect main charge disposal	3 IEDD Operator
4.72.143.3	Practical	AFV	DU Awareness	Mitigate	Be aware of danger posed by DU dust and adopt PPE	3 IEDD Operator

	IEDD Skills	Clearance			as necessary	
4.72.144.3	Practical IEDD Skills	AFV Clearance	IED-related clearance	Refer up	Assess vehicle without entry and request advanced operator	3 IEDD Operator
4.72.144.4	Practical IEDD Skills	AFV Clearance	IED-related clearance	Clear	Conduct adapted vehicle clearance using semi-remote means to search for and make safe IEDs. Apply SOP.	3+ IEDD Adv Skills
4.75.165.4	Practical IEDD Skills	Dead Body Clearance	Clearance of human remains	Body search	Maintain an appropriate and culturally-sensitive set of body search SOPs, carry out clearance of bodies as required	3+ IEDD Adv Skills
4.9.138.3	Practical IEDD Skills	Awareness of threat environment	Know own limitations	Know limits	Demonstrate mindset of continuous learning, thinking in ICP not at the target and humility to stop when outside of competence level or SOP	3 IEDD Operator
4.9.70.1	Practical IEDD Skills	Awareness of threat environment	Alert to atmospherics	Alert	Demonstrate situational awareness and inform team if dynamics of local area change or finding unexpected item or situation, and threat assessment needs to change	1 Searcher / Deminer
4.9.70.2	Practical IEDD Skills	Awareness of threat environment	Alert to atmospherics	Assess	Assimilate information on area dynamics and search results and inform operator of potential threat assessment change	2 Team Assistant
4.9.70.3	Practical IEDD Skills	Awareness of threat environment	Alert to atmospherics	Respond	Consider threat assessment change if task not proceeding to plan	3 IEDD Operator
5. Management & Leadership						
5.10.74.3	Management	Liaison and provision of	Provide threat management	On-the-ground	Provide HIEDD threat management advice to other	3 IEDD Operator

	& Leadership	HIEDD advice	advice	support	organisations	
5.10.74.4	Management & Leadership	Liaison and provision of HIEDD advice	Provide threat management advice	Authorises support	Authorise manoeuvre taskings to support other organisations through HIEDD	3+ IEDD Adv Skills
5.10.75.3	Management & Leadership	Liaison and provision of HIEDD advice	Provide search / clearance advice	On-the-ground support	Provide HIEDD clearance advice to other organisations	3 IEDD Operator
5.10.75.4	Management & Leadership	Liaison and provision of HIEDD advice	Provide search / clearance advice	Authorises support	Authorise clearance and search taskings to support other organisations through HIEDD	3+ IEDD Adv Skills
5.14.73.1	Management & Leadership	Equipment Management	Equipment husbandry	Personal kit	Look after all kit issued, carrying out daily maintenance without prompting	1 Searcher / Deminer
5.14.73.2	Management & Leadership	Equipment Management	Equipment husbandry	Team kit	Look after all kit issued to team, carrying out weekly maintenance without prompting, fill in equipment logs	2 Team Assistant
5.14.73.3	Management & Leadership	Equipment Management	Equipment husbandry	Inspection and overhaul	Carry out monthly equipment checks and lead strip down and in-depth maintenance as required	3 IEDD Operator
5.41.65.3	Management & Leadership	Manage Operational Pressure	Manage pressure up	Deflect pressure	Lead by having confidence to prevent operations pressure from lowering standards (both own or team's)	3 IEDD Operator
5.41.65.4	Management & Leadership	Manage Operational Pressure	Manage pressure up	Manage operations pressure	Prevent operations pressure from lowering team standards through intelligent tasking and supportive QA	3+ IEDD Adv Skills
5.41.66.1	Management	Manage Operational	Risk vs benefit	Consider	Demonstrate consideration of personal risk at all times	1 Searcher /

	& Leadership	Pressure		personal risk	when being asked to do something	Deminer
5.41.66.2	Management & Leadership	Manage Operational Pressure	Risk vs benefit	Consider team risk	Demonstrate consideration of team risk at all times and prompt operator to keep this under review	2 Team Assistant
5.41.66.3	Management & Leadership	Manage Operational Pressure	Risk vs benefit	Balance risk	Demonstrate a conservative balancing of personal and team risk when assessing potential humanitarian payoff	3 IEDD Operator
5.41.66.4	Management & Leadership	Manage Operational Pressure	Risk vs benefit	Support teams	Lead by reinforcing risk-management protocols that enshrine team safety and endurance	3+ IEDD Adv Skills
5.41.67.1	Management & Leadership	Manage Operational Pressure	Safe under pressure	Maintain personal standards	Demonstrate the ability to maintain steady progress with commitment to completion	1 Searcher / Deminer
5.41.67.2	Management & Leadership	Manage Operational Pressure	Safe under pressure	Maintain team standards	Demonstrate effective time management and management of fatigue to get the best from team	2 Team Assistant
5.41.67.3	Management & Leadership	Manage Operational Pressure	Safe under pressure	Complete task safely	Develop and maintain team cohesion and mutual trust to ensure safe task completion	3 IEDD Operator
5.42.118.3	Management & Leadership	Team Management	Manage multiple teams	Coordination	Coordination of tasking, prioritisation and spatial deconfliction of HIEDD teams in an area	3 IEDD Operator
5.44.141.1	Management & Leadership	Continuation training	Update Training	Actively participate	Participate actively in update training	1 Searcher / Deminer

5.44.141.4	Management & Leadership	Continuation training	Update Training	Trigger & Design	Design training for new threats or equipment and schedule the training session	3+ IEDD Adv Skills
5.44.90.1	Management & Leadership	Continuation training	Actively participate	Willingly participate	Engage willingly and actively in continuation training, suggest topics for the team based on their view point.	1 Searcher / Deminer
5.44.90.2	Management & Leadership	Continuation training	Actively participate	Understand skill fade	Understand skill fade and recommend areas for refreshing	2 Team Assistant
5.44.90.3	Management & Leadership	Continuation training	Actively participate	Understand skill fade	Understand skill fade and recommend areas for refreshing	3 IEDD Operator
5.44.90.4	Management & Leadership	Continuation training	Actively participate	Design and organise	Organise refresher training and simulated tasks to check team competence	3+ IEDD Adv Skills
5.56.110.1	Management & Leadership	Legal framework	Applicable laws and rules	Know	Know applicable laws and rules pertaining to the team and personal actions	1 Searcher / Deminer
5.56.110.3	Management & Leadership	Legal framework	Applicable laws and rules	Detailed knowledge	Know applicable laws and rules and ensure RSPs are legal and culturally-acceptable	3 IEDD Operator
5.56.152.1	Management & Leadership	Legal framework	NMAA	Aware of NMAA	Know that the National Mine Action Authority (NMAA) refers to the government entity, often an inter-ministerial committee, in a mine-affected country charged with the responsibility for the regulation, management, and coordination of mine action.	1 Searcher / Deminer
5.56.152.3	Management & Leadership	Legal framework	NMAA	Understand NMAA role	Understand the role of the NMAA (or UN MAC) in determining the framework of operation and SOPs	3 IEDD Operator
5.56.164.3	Management & Leadership	Legal framework	Categorise Ordnance	Categorise	Categorise ERW within the framework of the 1980 Protocol V of CCW Convention	3 IEDD Operator

5.6.156.3	Management & Leadership	Task Management & Planning	Neutralisation options	Select option	Select appropriate neutralisation option, balancing safety, operational and community concerns	3 IEDD Operator
5.6.62.1	Management & Leadership	Task Management & Planning	Kit lists	Use kit lists	Use kit lists for standard searches	1 Searcher / Deminer
5.6.62.2	Management & Leadership	Task Management & Planning	Kit lists	Prepare kit as per list	Prepare a list of equipment for use, without supervision	2 Team Assistant
5.6.62.3	Management & Leadership	Task Management & Planning	Kit lists	Use and write lists	Use standard and task-specific kit lists	3 IEDD Operator
5.6.63.3	Management & Leadership	Task Management & Planning	Manual plans	Use briefing tools	Communicate task progress and manual approach plans through the use of briefing tool such as whiteboard	3 IEDD Operator
5.6.64.3	Management & Leadership	Task Management & Planning	Whiteboards / briefing	Plan, involve, brief	Plan task stages, involve team where appropriate and brief members at each stage	3 IEDD Operator
5.70.139.1	Management & Leadership	Human Factors	Decision making	Awareness	Aware of different decision making protocols	1 Searcher / Deminer
5.70.140.1	Management & Leadership	Human Factors	Threat and Error Management	Awareness	Aware threat and error management, swiss cheese model etc	1 Searcher / Deminer
5.73.146.4	Management	Procurement	Test, evaluate and	Evaluate	Design simple equipment evaluation techniques and	3+ IEDD Adv

	& Leadership	& Evaluation	recommend		conduct or supervise trials	Skills
5.73.146.4	Management & Leadership	Procurement & Evaluation	Test, evaluate and recommend	Collate feedback	Collate feedback from operators and teams as to suitability of equipment and potential modifications	3+ IEDD Adv Skills
6. Deployment & Post Task						
6.19.23.3	Deployment & Post Task	Route planning & ICP	Route planning	Plan route	Plan safe route to task location and proposed ICP, given information on en-route hazards and using local knowledge	3 IEDD Operator
6.19.23.4	Deployment & Post Task	Route planning & ICP	Route planning	Supervise routes	Ensure route planning is integral part of task planning and provide district or regional level context to teams on what else is happening in the area	3+ IEDD Adv Skills
6.40.112.1	Deployment & Post Task	Pre-task Actions	Consider Technical and Operational Data	Listen and process	Assimilate information through briefing and reading and apply to task planning. Contribute to task planning of team.	1 Searcher / Deminer
6.40.112.2	Deployment & Post Task	Pre-task Actions	Consider Technical and Operational Data	Gather and disseminate	Gather latest intelligence and post-task reporting and disseminate to team	2 Team Assistant
6.40.112.3	Deployment & Post Task	Pre-task Actions	Consider Technical and Operational Data	Assess and discuss	Assess all intelligence and data sources, carry out threat assessment and discuss with team, demonstrate briefing team	3 IEDD Operator
6.40.112.4	Deployment	Pre-task	Consider Technical and	Enable feeds	Ensure teams have access to up-to-date information	3+ IEDD Adv

	& Post Task	Actions	Operational Data		from the local area, and authority to receive it	Skills
6.40.86.1	Deployment & Post Task	Pre-task Actions	Equipment pre-task checks	Pre-task checks	Conduct equipment pre-task checks including PPE, communications equipment, navigation equipment, hook and line and eod weapons	1 Searcher / Deminer
6.40.87.1	Deployment & Post Task	Pre-task Actions	Vehicle pre-task checks	Pre-task checks	Conduct vehicle pre-task checks	1 Searcher / Deminer
6.5.157.1	Deployment & Post Task	En Route Actions	ICP approach and arrival	Assist in Arrival Drills	Demonstrate a full role in arrival drills at ICP, searching, observing and enabling team situational awareness	1 Searcher / Deminer
6.5.157.2	Deployment & Post Task	En Route Actions	ICP approach and arrival	Coordinate arrival drills	Coordinate team to carry out searches, find appropriate liaison personnel and direct to Level 3	2 Team Assistant
6.5.157.3	Deployment & Post Task	En Route Actions	ICP approach and arrival	Direct arrival drills	Assess threat and direct ICP searches, establish ICP safety, assess secondary hazards, cordon and evacuation, liaise with other agencies	3 IEDD Operator
6.5.24.1	Deployment & Post Task	En Route Actions	ICP approach and arrival	Look-out	On approach to ICP, provide feedback on absence of the normal, presence of the abnormal etc	1 Searcher / Deminer
6.5.24.2	Deployment & Post Task	En Route Actions	ICP approach and arrival	Assess practicality	On approach to ICP, provide feedback on practicalities of ICP layout, e.g. size	2 Team Assistant
6.5.24.3	Deployment & Post Task	En Route Actions	ICP approach and arrival	React and adapt	View ICP and area, take in to account information from the team and react / adapt as necessary	3 IEDD Operator
6.5.52.1	Deployment & Post Task	En Route Actions	ICP checks	ICP checks	Understand importance of and conduct thoroughly checks upon arrival at worksite (e.g. 5m and 25m)	1 Searcher / Deminer

6.5.52.2	Deployment & Post Task	En Route Actions	ICP checks	5m and 25m checks	Understand importance of and conduct thoroughly 5m and 25m checks upon leaving the vehicle	2 Team Assistant
6.5.52.3	Deployment & Post Task	En Route Actions	ICP checks	5m and 25m checks	Understand importance of and conduct thoroughly 5m and 25m checks upon leaving the vehicle	3 IEDD Operator
6.53.103.1	Deployment & Post Task	Post-task Actions	Equipment post-task checks	Conduct checks	Strip down, clean and test equipment before re-packing as per checklist including detectors, PPE, communications equipment, navigation equipment, hook and line and eod weapons.	1 Searcher / Deminer
6.53.103.2	Deployment & Post Task	Post-task Actions	Equipment post-task checks	Assist and supervise	Conduct checks and supervise basic searchers	2 Team Assistant
6.53.104.1	Deployment & Post Task	Post-task Actions	Vehicle post-task checks	Conduct checks	Refuel, clean and maintain vehicle ready for next tasking	1 Searcher / Deminer
6.53.104.2	Deployment & Post Task	Post-task Actions	Vehicle post-task checks	Assist and supervise	Conduct checks and ensure vehicles ready for next tasking	2 Team Assistant
6.53.109.1	Deployment & Post Task	Post-task Actions	Equipment re-pack	Assist in repack	Assist in repacking by following / knowing equipment packing list for each equipment type	1 Searcher / Deminer
6.53.109.2	Deployment & Post Task	Post-task Actions	Equipment re-pack	Repack equipment	Supervise equipment packing for each equipment type	2 Team Assistant
6.53.109.3	Deployment & Post Task	Post-task Actions	Equipment re-pack	Repack carry forward	Repack and re-stock own carry forward equipment	3 IEDD Operator
6.67.124.3	Deployment & Post Task	Remediation	Advise	Advise civil authorities	Advise civil authorities on how to remediate damage, or refer to civil / structural engineer?	3 IEDD Operator

Amendment record

Management of amendments

The T&EP series of protocols are subject to formal review on a three-yearly basis; however this does not preclude amendments being made within these three-year periods for reasons of operational safety and efficiency or for editorial purposes.

As amendments are made to this document they will be given a number, and the date and general details of the amendment shown in the table below. The amendment will also be shown on the cover page of the document by the inclusion under the edition date of the phrase *'incorporating amendment number(s) 1 etc.'*

As the formal reviews are completed new editions may be issued. Amendments up to the date of the new edition will be incorporated into the new edition and the amendment record table cleared. Recording of amendments will then start again until a further review is carried out.

The most recently amended version will be posted on the IMAS website at www.mineactionstandards.org.

Number	Date	Amendment Details