

PROGAM: Conventional Explosive Ordnance Disposal (EOD) Competency Standards as per IMAS Standards			
Designation	Modules	Training	Methodology
Theory & Knowledge			
EOD Level 1	1	Understand the likely arming forces for an Impact Fuze and any specific hazards.	Theory & knowledge
	2	Understand which force may trigger a Mechanical Time Fuze fuze in its armed state.	Theory & knowledge
	3	Understand the likely arming forces for a Igniferous Time Fuze and any specific hazards.	Theory & knowledge
	4	Understand the likely arming forces for Electronic or Electro Mechanical Fuze and any specific hazards.	Theory & knowledge
	5	Understand which force may trigger a Base Detonating Impact fuze in its armed state.	Theory & knowledge
	6	Understand which force may trigger the range of Air Dropped Fuzes found on an ADW in its armed state.	Theory & knowledge
	7	Understand the likely arming forces for fuzes associated with shaped charges and any specific hazards.	Theory & knowledge
	8	Understand which force may trigger an Always Acting Fuze in its armed state.	Theory & knowledge
	9	Understand which force may trigger cocked striker fuze in its armed state. Understand the extreme caution required with cocked strikers	Theory & knowledge
	10	Understand fuze forces and different methods of arming.	Theory & knowledge
	11	Understand the basic component parts of an item of EO.	Theory & knowledge
	12	Be able to identify different ordnance categories and sub ₁ categories.	Theory & knowledge
	13	Be able to disaggregate EO sub categories by role.	Theory & knowledge
	14	Aware of fuze removal techniques.	Theory & knowledge
	15	Aware of range of deflagration/pyrotechnic techniques.	Theory & knowledge

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	16	Aware of donor charge techniques to high order EO by means of sympathetic detonation.	Theory & knowledge
	17	Aware that explosion propagation effects/sympathetic detonation considerations should determine the best stack design when acting as team members during logistic dems tasks.	Theory & knowledge
	18	Know the difference between High & Low explosives and the different effects that can be used in EOD for each type.	Theory & knowledge
	19	Know and explain the stages/parts of an explosive train and how this effects EOD techniques.	Theory & knowledge
	20	Know primary explosives and pure secondary explosives used in modern and historical detonators.	Theory & knowledge
	21	Understand and identify AP/AT mines.	Theory & knowledge
	22	Demonstrate an understanding of submunitions, how they work and delivery systems used.	Theory & knowledge
	23	Aware of IED hazards and requirement to inform supervisor in order to task IEDD capability.	Theory & knowledge
	24	Display an understanding of the effects of blast on property.	Theory & knowledge
	25	Demonstrate an understanding of the effects of fragmentation and how it effects EOD operations. Identify Fragmentation weapons used in LSA.	Theory & knowledge
	26	Demonstrate an understanding of the effects of HESH/HE-P rounds and how it effects EOD operations. Identify ammunition with a fragmentation effect.	Theory & knowledge
	27	Aware of IMAS set of documents and technical notes and how these influence NMAS and in turn SOPs.	Theory & knowledge
EQUIPMENT SKILLS			
EOD 1	1	Understand why EOD-3 will select option of remote pulling to move EO when required. Understand methods of operation of basic booby traps / VOIEDs. Assist in preparing a pull on EO under supervision of EOD Level 2 or 3.	Visual/Oral
	2	Record position to required accuracy using suitable means. E.g. Hand held GPS.	Visual/Oral

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	3	Be able to translate into practise current procedures and SOPs under the instruction of supervisors.	Visual/Oral
	4	Aware that EOD weapons have danger areas associated with kinetic as well as explosive effect.	Visual/Oral
	5	Understand the requirement to be able to communicate on at least two means of communication whilst on site.	Visual/Oral
PRACTICAL EOD SKILLS			
EOD 1	1	Know device categories, sub categories model designations and likely disposition in operational area. E.g. Prevalence of AP mine, PMN in a given area of operations.	Visual/Oral
	2	Plan a demolition in situ of a single item of mine and specific ERW on which the individual has been trained, in a controlled environment, taking in to account the effects of blast and fragmentation and supervise a team accordingly.	Assessed Live task
		Be able to demonstrate the use and placement of sandbags or equivalent (e.g. HESCO) in EOD ops to mitigate fragmentation. Understand the concept of tamping demolitions using sandbags.	Visula/Oral
	3	Aware of the need for trenching and tamping when dealing with UXO in confined areas for damage limitation.	Visual/Oral
	4	Aware of the use of water mitigation. For information only unless company has the correct equipment.	Not Tested
	5	Be aware of and identify possible secondary hazards before and during operations.	Visual/Oral
	6	Identify APHE and kinetic penetrator ammunition and understand demolition implications/limitations.	Focused Skill Test
	7	Identify ammunition with shaped charges and if destroying by demolition understand extra precautions required.	Focused Skill Test
	8	Assist in setup of propellant burn as part of disposal by open burning.	Visual/Oral
	9	Assist in setup of burn process for SAA and/or fuzes (burn tank, burn barrel etc.) under supervision.	Focused Skill Test
	10	Understand difference between electric and igniferous means of initiation and implications for safe employment during demolitions.	Visual/Oral
	11	Able to check, test and lay firing cable.	Assessed skill test
	12	Use electrical initiation in demolition and demonstrate appropriate command and control of site in a controlled environment.	Assessed live task

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	13	Conduct electrical initiation techniques and aware of limitations of such techniques. E.g. subject to electromagnetic interference from transmitters etc.	Visual/Oral
	14	Use non-electrical initiation (safety fuze) in demolition and demonstrate appropriate command and control of site in a controlled environment. E.g. Minefield Clearance Site. Central Demolition Site.	Assessed Live talk
	15	Conduct igniferous and shocktube initiation techniques and aware of the limitations of such techniques	Visual/Oral
	16	Conduct task scene management in a controlled environment such as a clearance task for demolition single items of EO on which recorded trained as authorised by an EOD-3 or above	Assessed live task
	17	Account strictly for explosive stores and maintain correct records of explosive used and explosive remaining	Focused Skill Test
	18	Know various explosive stores including main charges (e.g.TNT, RDX or PETN based plastic explosives, pentolite based commercial explosives), detonation cord, safety fuze	Focused Skill Test
	19	Know relevant HCC and mixing rules for standard explosive stores used for demolitions	Focused Skill Test
	20	Identify WP/HC and ILLUM ammunition and distinguish from HE fills	Focused Skill Test
	21	Be able to identify EO in theatre by ordnance sub-category and for key items by model name	Visual/Oral
	22	Aware that circumstances exist where EO may be moved by EOD 3+, 3 or authorised to EOD 2 on the basis of an understanding of the fuzing system, arming state and an assessment of the risk	Focused Skill Test
	23	Be able to take part in EOR task as part of EOD team under supervision of team leader	Visual/Oral
	24	Aware of evidence associated with EO in area of operations. e.g. trench near AP minefield where this might be an indicator of a mined area	Visual/Oral
	25	Aware of the stages of an EOD task	Assessed Live task
	26	Under direction of Level 2 or 3 be able to take basic images of EO	Visual/Oral
Management & Leader Ship			
EDO 1	1	Liaise with other national and international agencies on the ground	Visual oral
	2	Aware of national technical authority and NMAS	Timed Written Exam
	3	Know the link between approved organisation SOPs and NMAS set by the national authority	Timed Written Exam

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	4	Understand the need to record stock levels for all stores during daily checks and report as per SOP	Visual/Oral
	5	Know that Demos Site procedures exist, and obey them	Visual/Oral
	6	Know layout of dems site and the purpose of each location	Visual/Oral
	7	Supervise, communicate with and support all sentries to ensure they remain alert and effective during demolitions	Visual/Oral
	8	As demolition safety officer in a controlled environment such as a minefield, communicate progress to sentries and maintain readiness to respond to information from them	Visual/Oral
	9	Know duties of a demolition sentry as detailed by SOPs, including communications plan	Visual/Oral
	10	Aware that in some operating environments a NOTAM or equivalent is required prior to conducting demolitions	Timed Written Exam
	11	Ensure ICP and team safety in relation to position and size of explosive hazard whilst on EOD task. "What is it, where is it and are we safe?"	Visual/Oral
	12	Ensure ICP and team safety whilst on task	Visual/Oral
	13	Ensure public safety during task by using mandated demolition safety distances	Visual/Oral
	14	Plan and control team movements in relation to hazards/hazardous areas in order to keep risks as low as reasonably practicable while on task	Visual/Oral
	15	Plan and control team movements in order to keep risks as low as reasonably practicable while on task in controlled environment.	Visual/Oral
	16	Be aware that SOPs and procedures are part of a wider quality framework	Visual/Oral
	17	Aware that EOD personnel and organisations should normally be accredited by an appropriate authority such as a NMAA and the relevant operating organisation	Visual/Oral
	18	Aware that organisation / team will be monitored for quality management purposes and that this drives safety	Visual/Oral
Deployment & Post Task			
EOD 1	1	Aware of tasking chain and the link with authority to carry out EOD	Visual/Oral
	2	Clear up to and around an injured person in suspected mined area and extract by stretcher	Visual/Oral
	3	Know basic medical equipment within team equipment and know how to use. (bandages, CAT tourniquet etc.)	Visual/Oral

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	4	Know and rehearse the medevac chain, including driving with simulated casualty to medical facility and preparing	Visual/Oral
	5	Know and rehearse the medevac chain, including driving with simulated casualty to medical facility and preparing	Visual/Oral
	6	Conduct post-EOD task checks to ensure equipment ready for next use and order non explosive consumables	Visual/Oral
Reporting & Data			
EOD 1	1	Enter operational task data in to paper form or electronic form accurately	Visual/Oral
	2	Aware of importance of data quality in all reporting and able to conduct QC of own reporting of EOD tasks as first part of QC	Visual/Oral
	3	Enter EOD operational task data in to Mobile APP electronic form	Visual/Oral
	4	Complete EOD task log for individual EOD tasks and enable verification by mine action organisation	Visual/Oral
	5	Understand how accurate and relevant information from operational data bases contributes to procedures used in the field - e.g. threat assessment.	Visual/Oral
Storage & Support			
EOD 1	1	ware that dangerous goods transportation legislation exists, and know that this must be adhered to	Visual/Oral
	2	Prepare vehicle with sandbags, tarpaulin covers etc. to protect EO	Focussed Skill Test
	3	Act as sentry, cordon assistant or liaison during rolling cordon for ammunition movement	Focussed Skill Test
	4	Pack ammunition under supervision.	Focussed Skill Test
	5	Awareness that ammunition stockpiles/dumps can be booby ₁ trapped	Assessed Live talk