



Tailored Evaluation Guides

These evaluation guides cannot hope to, nor are they intended to be all inclusive of explosives safety regulations. They are intended to help activities navigate the many regulations that mitigate the risk of a mishap while handling explosives. Managers and handlers alike should be thoroughly familiar with all references and regulations that impact explosives operations.



Marine Corps Systems Command

Environmental and Explosives Safety Evaluation Guide

Exposed Explosives Material



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Program 5: A&E Facilities

Element 01 - General A&E Facilities (Mags/RSLs/OBs/RFIs)

ID#	Evaluation Question	Reference(s)	Chpt	Paragraph	
50109	Are black powder containers observed to determine serviceability with respect to tightness of closures, absence of leaky seams, punctures, and serious corrosion?	NAVSEA OP 5 Vol 1	11	11-9.3.1, 11-9.3.1.a	[]Yes []No []N/A
50128	Are bulk initiating explosives stored only with other bulk initiating explosives?	NAVSEA OP 5 Vol 1	11	11-8.1.3.b	[]Yes []No []N/A
50129	Is more than one person allowed in a magazine containing bulk initiating explosives except when absolutely necessary and is there a second person within voice communication distance?	NAVSEA OP 5 Vol 1	11	11-8.1.3.d.3	[]Yes []No []N/A
50130	Are magazines that contain bulk initiating explosives inspected on a strict schedule?	NAVSEA OP 5 Vol 1	11	11-9.3.1.c	[]Yes []No []N/A

Element 02 - Operating Buildings

ID#	Evaluation Question	Reference(s)	Chpt	Paragraph	
50209	Is A&E waste collected in special well-marked containers and kept segregated from other combustible A&E scrap material? Are all combustibles and explosive scraps and waste removed daily?	NAVSEA OP 5 Vol 1	4	4-1.7.2	[]Yes []No []N/A
50210	Is compressed air prohibited from use to clean around exposed explosive material?	NAVSEA OP 5 Vol 1	9	9-2.9.6	[]Yes []No []N/A
50211	Is ventilation adequate for areas where dust or fumes are present?	NAVSEA OP 5 Vol 1	8	8-3.2.7.2.a thru 8-3.2.7.2.i	[]Yes []No []N/A
50212	Are exhaust ventilation systems cleaned on a regular basis? Does a maintenance log exist?	NAVSEA OP 5 Vol 1	8	8-3.2.7.2.h	[]Yes []No []N/A
50213	Has a hazard assessment been performed for exhaust ventilation systems subject to buildup of A&E contaminants? Do written procedures exist that specify cleaning frequency and risk minimization?	NAVSEA OP 5 Vol 1	8	8-3.2.7.2.h	[]Yes []No []N/A
50214	Are there an adequate number of exits and are operations and equipment so arranged that all persons have unobstructed exit paths?	NAVSEA OP 5 Vol 1	8	8-3.1.5, 8-3.1.5.1, 8-3.1.5.3	[]Yes []No []N/A
50215	Do exit doors open outward? Are they the correct size and are anti-panic catches provided?	NAVSEA OP 5 Vol 1	8	8-3.1.5.1	[]Yes []No []N/A



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50219	Are appropriate spark proof/conductive footwear, leg stats, wrist stats, etc., for particular operations being worn?	NAVSEA OP 5 Vol 1		2-4.7.5.1, 2-4.7.5.4, 5-5.3, 5-5.3.2	[]Yes []No []N/A
50221	Are proper safety hand tools (e.g. non-sparking) for the operation involved being used?	NAVSEA OP 5 Vol 1	9	9-2.9.1.b	[]Yes []No []N/A
50222	Are unauthorized personnel excluded or prohibited in operating buildings and areas?	NAVSEA OP 5 Vol 1	7	7-7.1	[]Yes []No []N/A

Program 6: LPS/Grounding/Emissions Control

Element 02 - Grounding System Test Plan

ID#	Evaluation Question	Reference(s)	Chpt	Paragraph	
60212	Are conductive floors inspected and tested?	NAVSEA OP 5 Vol 1	5	5-5.3.1	[]Yes []No []N/A
60213	Are conductive shoes tested as required (at least once every 3 months)?	NAVSEA OP 5 Vol 1	5	5-5.3.2.2	[]Yes []No []N/A

Element 03 - Lightning Protection and Grounding Maintenance

ID#	Evaluation Question	Reference(s)	Chpt	Paragraph	
60304	Are ordnance ground systems isolated from all other ground systems and connected by separate and distinct leads to the facility ground girdle at a single point?	NAVSEA OP 5 Vol 1	5	5-5.4.1	[]Yes []No []N/A
60305	Are ordnance grounds clearly marked to preclude misidentification?	NAVSEA OP 5 Vol 1	5	5-5.4.4	[]Yes []No []N/A
60307	Have ground grab bars been installed outside and adjacent to doors other than exit doors of operating buildings, where required?	NAVSEA OP 5 Vol 1	5	5-5.3.5	[]Yes []No []N/A
60308	Are buildings or compartments (room, bay, cell, etc.) used for operations involving static sensitive materials furnished with non-sparking conductive floors?	NAVSEA OP 5 Vol 1	5	5-5.3.1	[]Yes []No []N/A
60310	Is grounding of operators during operations involving handling of exposed explosives, Electro-Explosive Devices (EEDs) and sensitive materials adequate?	NAVSEA OP 5 Vol 1	5	5-9	[]Yes []No []N/A



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Program 8: AA&E Transportation & Equipment

Element 01 - Motor Vehicle Transportation

<u>ID#</u>	<u>Evaluation Question</u>	<u>Reference(s)</u>	<u>Chpt</u>	<u>Paragraph</u>	
80102	In trucks used to transport scrap or bulk explosives, is the cargo space covered in wood or other non-spark producing material?	NAVSEA OP 5 Vol 1	12	12-6.3.5	[]Yes []No []N/A

Element 03 - Materials Handling Equipment (MHE)

<u>ID#</u>	<u>Evaluation Question</u>	<u>Reference(s)</u>	<u>Chpt</u>	<u>Paragraph</u>	
80302	Does type EX MHE have a six-inch blue diagonal stripe painted in a 45-degree angle (top right to bottom left) along both sides and rear?	NAVSUP P-538	5	5-7.t	[]Yes []No []N/A
80307	Does type EX MHE have at least two wheels and tires constructed of electrically conductive material?	NAVSUP P-538	5	5-4.4	[]Yes []No []N/A