



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

Bash Program



EVG-BP-002 Sep 22

Program 1: ES Administration/Management

Element 05 - Explosives Safety Deviations

ID#	Evaluation Question	Reference(s)	Chpt	Paragraph	
10506	Are current storage authorizations on hand for the storage of all non-DoD munitions?	MCO 5100.29C Vol 8	3	0310	[]Yes []No []N/A

Program 5: A&E Facilities

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

ID#	Evaluation Question	Reference(s)	Chpt	Paragraph	
50113	Are magazines/magazine areas inspected prior to initial use/reuse after being empty, and periodically while in use?	NAVSEA OP 5 Vol 1	11	11-9.1	[]Yes []No []N/A
50114	Are correct fire division, chemical hazard or fire direction symbols posted outside hazardous materials storage sites?	NAVSEA OP 5 Vol 1	4	4-4.2.9, Figures 4-3 thru Figure 4-5, Tables 4-1 thru Table 4-3	[]Yes []No []N/A
50115	Is the quantity of A&E stowed within authorized limits?	NAVSEA OP 5 Vol 1	11	11-2.2.2	[]Yes []No []N/A
50116	Are explosive limit signs posted/painted (indicating maximum authorized quantity of explosives permitted by class and division) in all storage locations and related areas? For storage locations that include C/D 1.2.1 or 1.2.3 is an MCE weight posted?	NAVSEA OP 5 Vol 1	7	7-4.4, 7-4.4.2.1, 7-4.4.3.2	[]Yes []No []N/A
50119	Are A&E containers clean, dry, and properly marked before being stowed? Are all containers closed and securely fastened?	NAVSEA OP 5 Vol 1	11	11-1.4.1	[]Yes []No []N/A
50121	Are flame or spark producing devices prohibited in or around potential explosion sites? Where smoking is allowed are the areas designated and do they meet the requirements of NAVSEA OP 5?	NAVSEA OP 5 Vol 1	2	2-4.9.5, 4-1.6.1 thru 4-1.6.3	[]Yes []No []N/A
50123	Are general safety precautions posted or listed in current SOP? Are specific safety precautions posted?	NAVSEA OP 5 Vol 1	11	11-2.7.2	[]Yes []No []N/A
50137	Is rough handling of A&E observed?	NAVSEA OP 5 Vol 1	10	10-1.1.1	[]Yes []No []N/A



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Element 02 - Operating Buildings

ID#	Evaluation Question	Reference(s)	Chpt	Paragraph	
50216	Are explosives limits posted at all locations where required?	NAVSEA OP 5 Vol 1	7	7-4.4, 7-4.4.1.2	[]Yes []No []N/A

Element 03 - A&E Physical Security

ID#	Evaluation Question	Reference(s)	Chpt	Paragraph	
50301	Are AA&E physical security surveys conducted annually?	MCO 5530.14A, ENCL 1	3	3001.5.a.2	[]Yes []No []N/A
50302	Do the AA&E physical security surveys include the required information outlined in MCO 5530.14A?	MCO 5530.14A, ENCL 1	8	8014.1 thru 8014.5	[]Yes []No []N/A
50303	Are original, signed surveys (paper or electronic copies) maintained for three years?	MCO 5530.14A, ENCL 1	3	3001.5.12	[]Yes []No []N/A
50304	Is a key control register containing all required information maintained to ensure accountability of keys? Are the registers maintained for at least three years?	MCO 5530.14A, ENCL 1		3005.6, Appendix G	[]Yes []No []N/A
50305	Has an access control custodian been appointed in writing by the head of the functional area (e.g., department head, directorate, etc.)?	MCO 5530.14A, ENCL 1	3	3005.2	[]Yes []No []N/A
50306	Does the access control custodian have unaccompanied access or a PIN to AA&E facilities?	MCO 5530.14A, ENCL 1	8	8010.1	[]Yes []No []N/A
50307	Are all AA&E safe combinations changed annually or when personnel rotate?	MCO 5530.14A, ENCL 1	8	8010.1.d	[]Yes []No []N/A
50308	Are all security locks, padlocks, and lock cores designated as high security rotated annually from one location to the another within the same level areas of protection?	MCO 5530.14A, ENCL 1	3	3005.4	[]Yes []No []N/A
50309	Are personnel authorized access to AA&E keys designated in writing by the Commanding Officer?	MCO 5530.14A, ENCL 1	8	8010	[]Yes []No []N/A
50311	Are keys to Category III and IV AA&E stored in containers of at least 12-gauge steel or equivalent?	MCO 5530.14A, ENCL 1	8	8010.3.b.2	[]Yes []No []N/A
50313	Has an access control custodian performed semiannual inventories of all keys and log accounts and retained those records for the last three years?	MCO 5530.14A, ENCL 1	3	3005.2, 3005.6.f	[]Yes []No []N/A
50314	Is a pass, badge, access roster or sign-in/out system used for restricted areas?	MCO 5530.14A, ENCL 1	8	8008.2	[]Yes []No []N/A



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50315	Are visitor control logs or entry rosters used to track the ingress and egress of visitors and maintained for at least three years?	MCO 5530.14A, ENCL 1	8	8008.2.a	[]Yes []No []N/A
50316	Are areas containing risk category AA&E posted as restricted areas?	MCO 5530.14A, ENCL 1	8	8008.1.a	[]Yes []No []N/A
50318	Are keys to AA&E facilities maintained separately from all other racks, containers, and miscellaneous keys?	MCO 5530.14A, ENCL 1	8	8010.2	[]Yes []No []N/A
50320	Has a strict key and lock security and access control program been established?	MCO 5530.14A, ENCL 1	3	3005	[]Yes []No []N/A

Program 6: LPS/Grounding/Emissions Control

Element 01 - HERO/EMCON

<u>ID#</u>	<u>Evaluation Question</u>	<u>Reference(s)</u>	<u>Chpt</u>	<u>Paragraph</u>	
60104	Are portable and mobile radios properly labeled with the HERO unsafe and HERO susceptible ordnance separation distance as indicated in the HERO survey report?	NAVSEA OP 3565 Vol 2	1	1-8.2, Figure 1-5	[]Yes []No []N/A

Element 03 - Lightning Protection and Grounding Maintenance

<u>ID#</u>	<u>Evaluation Question</u>	<u>Reference(s)</u>	<u>Chpt</u>	<u>Paragraph</u>	
60328	Has criteria been established for terminating A&E operations when required at the approach of a thunderstorm, and do the procedures allow for the termination of operations prior to a storm approaching within ten miles if required?	NAVSEA OP 5 Vol 1	6	6-10	[]Yes []No []N/A
60329	Are cables used to connect Ready Service Lockers to ground rods made of AWG No. 1/0 un-insulated copper with strands not less than AWG No. 17?	NAVSEA OP 5 Vol 1	5	5-4	[]Yes []No []N/A
60330	Are single portable magazines larger than 25 square feet grounded using a minimum of two separate ground rods, each placed in a different corner?	NAVSEA OP 5 Vol 1	6	6-8.2.2.1	[]Yes []No []N/A
60332	Are connector fittings attached so as to withstand a pull test of 200 pounds? Are the fittings of the bolted, welded, high-compression, or crimp type?	NAVSEA OP 5 Vol 1	4	4.12	[]Yes []No []N/A
60333	Are all bonding connections and conductor splices unpainted?	NAVSEA OP 5 Vol 1	8	8.5.4.4	[]Yes []No []N/A



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Program 9: A&E Operations

Element 01 - Airfield Operations

<u>ID#</u>	<u>Evaluation Question</u>	<u>Reference(s)</u>	<u>Chpt</u>	<u>Paragraph</u>	
90105	Does the Activity/Command have storage authorization for Non-Department of Defense (DoD) small arms ammunition used for BASH Program?	NAVSEA OP 5 Vol 1	2	2-1.4.13	[]Yes []No []N/A
90107	Are the weapons used for BASH program properly stored?	DoD 5100.76M	ENCL 2	4.d	[]Yes []No []N/A