

CP20 - Quality Assurance Specialist (Ammunition Surveillance)

Appendix C Phase I KSAs Required for QASAS Interns

All course material presented during Phase I of the MITP will cover these KSA's.

1. Use, obtain, update, and determine applicability of all ammunition and related technical references and sources of information.
2. Describe the functional characteristics and physical properties of ammunition, components and packaging.
3. Knowledge of ammunition NSNs, DODICs, nomenclatures, lot numbers/serial numbers and condition codes, and other ammunition unique terminology.
4. Prepare and process applicable forms, reports, and automated systems documents.
5. Determine and use appropriate hazardous materials markings, symbols, color codes and fire fighting procedures for ammunition storage.
6. Identify the inherent explosive, radiation, and toxic chemical hazards and implement the safety requirements for ammunition items and operations.
7. Knowledge of applicable OSHA and EPA regulations/laws.
8. Knowledge of ammunition life cycle.
9. Knowledge of current ammunition and logistics organizations and operations and their inter-relationships.
10. Knowledge of the SMCA, DOD, USADAC and other service ammunition organizations rank structure.
11. Use quality evaluation techniques for process control and acceptance sampling.
12. Knowledge of auto info systems (CAS-B, TAMS, WARS, FOSAMS, SDS, CAIMS, SAAS MOD, etc.) to manage ammunition programs.
13. Knowledge of logistics systems, op plans, force structures, and ammunition requirements.
14. Knowledge of local, state, and federal environmental laws applying to hazardous waste Generators/Operators.
15. Knowledge of the "Munitions Rule".
16. Use DRMO policies and procedures.
17. Ability to inspect and determine serviceability of ammunition items and components and prepare ammunition surveillance inspection reports.
18. Ability to describe the physical properties and functioning characteristics of ammunition and its components.
19. Skill and use of ammunition surveillance procedures.

20. Knowledge of ISO 9000 and Contractor Performance Certification Program (CP)2 quality systems standards.
21. Knowledge of chemical surety requirements and responsibilities of the Radiation Protection Officer (RPO).
22. Knowledge of application and use of tools, gages and equipment associated with ammunition operations.
23. Implement required personnel qualifications/certification programs.
24. Review and develop cost estimates and material requirements for ammunition operations.
25. Forecast, plan, schedule and workload ammunition operations.
26. Knowledge of ammunition funding, costing and accounting policies and procedures.
27. Knowledge of Configuration Management.
28. Use and interpret DOT/IATA/IMDG, DOD transportation regulations and other sources of transportation data for transporting hazardous materials.
29. Apply, as applicable, skills in physical security, demil, maintenance, production, inventory, storage, and transportation at the wholesale level.
30. Skill in preparing test samples for shipment.
31. Prepare, write and implement standing operating procedures (SOP).
32. Skill in performing or verifying toxic chemical storage monitoring.
33. Knowledge of policies, procedures, and controls related to ammunition QA/surveillance planning and reporting system.
34. Plan and conduct evaluations of ammunition operations.
35. Knowledge of retail ammunition supply, storage, transportation, physical security, maintenance, demil and safety procedures.
36. Knowledge of ammunition item component breakdown and by products, e.g., waste stream characterization and environmental assessment using the Munitions Items Distribution Action Systems (MIDAS).
37. Ability to identify signs and symptoms of agent exposure and select and apply the appropriate first aid measures.
38. Ability to perform first entry monitoring of storage locations.
39. Ability to inspect ammunition facilities, sites and location.
40. Knowledge of inspection and test requirements for chemical agent decontaminates.
41. Knowledge of special test equipment, non-standard and foreign ammunition.

42. Determine and use proper decontamination practices for explosives, chemical and radiation contamination and containerize leaking chemical munitions.
43. Determine and use protective clothing and equipment required in hazardous areas.
44. Knowledge of explosive and industrial safety requirements for MHE in ammunition operations.
45. Determine the effects of weather and terrain on chemical release and compute downwind hazard distance for toxic chemicals.
46. Ability to perform basis load, receipt, periodic inspection, etc.
47. Use toxic chemical and radiation detection/measurement equipment and instruments.
48. Interpret regulatory and contract requirements.
49. Knowledge of Contracting Officer responsibilities.
50. Skill in performing shipment clearance procedures.
51. Assemble, analyze, and draw conclusions from research data.
52. Identify and assess budget impacts.
53. Knowledge of field communications and ability to establish hot lines.
54. Ability to verify demilitarization certification.
55. Ability to effectively communicate both orally and written.
56. Ability to perform inspection and test of electrical explosives safety systems (e.g., lightning protection system and equipment grounds).
57. Use personal computer and applicable software programs or computer printout documents.
58. Identify and process suspended/restricted ammunition and applicable coding (e.g., overhead fire).
59. Skill in selecting surveillance inspection samples.
60. Review and identify ammunition storage facility types and determine limitations, utilization, physical security requirements, licensing (Master Storage Plan), and siting.
61. Determine storage compatibility, quantity distance, and hazard classification.
62. Knowledge of storage planning, warehousing operations, and lot consolidation practices.
63. Use storage and outloading drawings, planographs, and tiedown procedures.
64. Develop leadership, teaming problem solving and management skills.
65. Determine maintenance actions for ammunition items using available documentation.
66. Identify ammunition peculiar equipment (APE) (standard and non-standard)/TMDE requirements.

67. Knowledge of the policies and procedures related to ordnance and explosive (OE) clean-up operations.
68. Apply container serviceability inspection criteria to include CSC.
69. Knowledge of lock out tag out requirements (e.g., chemical demil).
70. Determine ammunition substitutability, and interchangeability.
71. Provide wholesale/retail procurement, distribution and disposition instructions for ammunition activities.
72. Determine the ammunition required to support a weapon system.
73. Apply ammunition accountability/custodial procedures based on an item's security risk category.
74. Develop and conduct hazard analyses and risk management assessments.
75. Execute the Propellant Stability Program.
76. Knowledge of formerly used Defense Sites (FUDS) programs.
77. Knowledge of Chemical Agent Standards and Reference Material (CASARM).
78. Knowledge of radiological monitoring requirements.
79. Determine installation out-loading, storage and maintenance capabilities.
80. Perform inventory reconciliation and adjustments.
81. Knowledge of budgeting, forecasting, and planning programs (e.g., FYDP, PDIP, PPBS, DBOF, CIRS).
82. Use and interprets Special Packaging Instructions (SPI), regulations, drawings and other sources for maintenance of all ammunition items.
83. Lay and initiate explosive trains for destruction.
84. Knowledge of port operations and Prepo requirements.
85. Ability to interpret Material Safety Data Sheets (MSDS).
86. Knowledge of applicable weapon, weapon system test equipment, procedures and standards.
87. Knowledge of supply support requirements and PHS&T needs.
88. Knowledge of shelf/service life implications.
89. Knowledge of DOD excess ammunition program.
90. Apply production-scheduling techniques and value-engineering procedures.
91. Determine and execute testing/acceptance requirements.
92. Knowledge of policies, procedures, methods, capacities and controls related to ammunition production planning.

93. Knowledge of production scheduling, flow charting and industrial processes.
94. Knowledge of production funding, pricing, interservices support agreements and production base capabilities.
95. Plan and coordinate ammunition movements, to include freight terminal operations, transportation modes and transportability for ammunition/non-ammunition items.
96. Determine and apply marking, labeling, packing, placarding, inspection, safety and certification requirements for transportation of HM.
97. Comply with Training Directorate policies associated with student conduct and classroom management.
98. Skill in determining and applying ammunition condition codes.
99. Skill in performing Chemical Accident /Incident Response Assistant (CAIRA) control duties.
100. Ability to interpret and determine defect codes and their impact on planning maintenance operations.
101. Identify and use the safety, handling, storage and security requirements for ammunition/components.
102. Determine the burn rate and safe separation time for demolition materials.
103. Interpret and use the mission and functions of the Ammunition Stockpile Reliability Program (ASRP), Stockpile Laboratory Program (SLP), Small Caliber Stockpile Reliability Program (SCARP), Centralized Function Test Program (CFTP), Large Caliber Stockpile Reliability Program (LCSRP) and Ammunition Surveillance Program (ASP).
104. Knowledge of surveillance function test and inspection requirements.
105. Knowledge of ammunition malfunction investigation procedures and reporting.
106. Ability to describe the basic structure and composition of the atom and the effects radiation and chemical has on the human body.
107. Determine the method of disposal and types of Demilitarization Facilities for all munitions.
108. Knowledge of the financial management reform initiatives.
109. Determine the normal storage configurations and corresponding Maximum Credible Event (MCE) for all Chemical Surety Munitions items.
110. Knowledge of Preaward Survey and should cost Analysis Procedures.
111. Knowledge of wavier and exemption process of explosives safety standards.
112. Knowledge of unit level accountability requirements including property books, hands receipts, sub-hand receipts and inventory.
113. Collect and analyze costs associated with maintenance projects.
114. Knowledge of hazardous waste training requirements.
115. Knowledge of ammunition program appropriations and interrelationship.

116. Knowledge of operating costs for ammunition organizations.

117. Ability to use Automatic Returns Listing.

118. Use automated and manual supply and inventory management systems (e.g., CCSS, SDS, SAAS).

119. Ability to inspect conveyances prior to, and after being loaded with ammunition.

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