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AIR STATION ORDER 8020.1

From: Commanding Officer, Marine Corps Air Station Cherry Point
To: Distribution List

Subj: MARINE CORPS AIR STATION CHERRY POINT EXPLOSIVE SAFETY
MANAGEMENT PROGRAM

Ref: (a) MCO 8023.3_
(b) NAVSEA OP 5 Vol 1
(c) NAVSEA SW020-AF-HBK-010
(d) MCO 8020.10_
(e) DoD Instruction 6055.16
(f) NAVSEA OP 3565 Vol 2
(g) OPNAVINST 8020.14_
(h) MCO 8010.13_
(i) MCO 5530.14_
(j) MCO 3570.1_
(k) MCO 8025.1_
(l) MCO P5102.1_
(m) ASO 8000.1_ Emissions Control (EMCON) Bill
(n) NAVSEA SW020-AC-SAF-010
(o) NAVSEA SW023-AH-WHM-010
(p) NAVSUP P-538
(q) ASO 8000.1_
(r) MCO 8020.14
(s) ASO 3710.5_

Encl: (1) Explosives Safety Management Program Guidance
(2) MCAS Cherry Point Explosive Route Map
(3) CALA Request

1. Situation. This Order defines ammunition management and explosives safety policy; to define its objectives, and establish guidance for Ammunition and Explosives (A&E) material per the references aboard Marine Corps Air Station (MCAS) Cherry Point and outlying fields.

2. Summary of Revision. This Order has been completely revised and should be reviewed in its entirety.

3. Cancellation. AirStaO P8020.1C, dated 5 Dec 94 and participation in Naval Ordnance Safety and Security Activity (NOSSA) Instructions 8020.14, 8020.15, and 8023.11.

4. Mission. To establish and implement policy and procedures for safe handling, storage, field storage, transportation, and disposal of A&E aboard MCAS Cherry Point and outlying fields.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

5. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. To provide policy guidance on the:

(a) Marine Corps Explosive Safety Management Program.

(b) Interaction of MCAS Cherry Point and affected organizations.

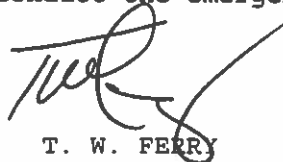
(2) Concept of Operations

(a) The Commandant of the Marine Corps (CMC) has established that the Marine Corps will follow the instructions of reference (b) and (d).

(b) Operations conducted at MCAS Cherry Point under the command of another service shall be in accordance with the policy and regulations of the host service, with the exception of requesting munitions disposition instructions and malfunction and mishap reporting.

6. Administration and Logistics. Recommendations concerning to the contents of this Order are invited. Such recommendations will be forwarded to the Commanding Officer (CO), Marine Corps Air Station Chery Point, Safety and Standardization Directorate/ Explosive Safety Office, via the appropriate chain of command.

7. Command and Signal. Command. This order is applicable to all activities which handle, store, transport, and conduct the emergency destruction of A&E board MCAS Cherry Point.



T. W. FERRY

RECORD OF CHANGES

Log completed change action as indicated.

Change Number	Date of Change	Date Entered	Signature of Person Incorporated Change

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CHAPTER 1

ROLES AND RESPONSIBILITIES

1. Background. The Marine Corps continuously trains and deploys with military munitions. The storage, handling, transportation, and employment of these items are inherently hazardous. Therefore, it is imperative that a safety program designed to minimize the potential hazards be aggressively pursued at all levels.

2. Responsibilities. An effective Explosive Safety Management Program (ESMP) is dependent upon command support at all levels. The responsibilities listed outline the major aspects of an effective ESMP, but may not be all inclusive.

a. INSTALLATION COMMANDING OFFICER.

(1) The Installation Commanding Officer (ICO) has the sole responsibility for explosive safety aboard MCAS Cherry Point. The ICO is responsible to ensure that all personnel on board the activity who handle ordnance, ammunition or explosives are qualified and certified to perform these tasks in accordance with references (a) and (b). It is also the ICO's responsibility to require personnel of other agencies, including contractors, while on the facility under his command, to conduct their activities in accordance with established safety rules.

(2) Ensures that a comprehensive Explosive Safety Program (ESP) is implemented and monitored. The ICO designates, in writing, an Explosive Safety Officer within the Safety Department responsible for assuring understanding of and compliance with all explosive safety criteria.

b. DIRECTOR, SAFETY AND STANDARDIZATION.

(1) Shall advise the ICO, MCAS Cherry Point, in all matters relating to explosive safety.

(2) The responsibilities of the Joint Safety Office is to administer the Explosive Safety Program and other safety programs assigned. The Safety Director/Manager, as a staff adviser to the ICO for all safety matters, is responsible for implementing and managing the safety programs, and will report their status directly to the ICO.

c. EXPLOSIVE SAFETY OFFICER. The role of the Explosive Safety Officer (ESO) is to manage the ESP and to provide reasoned, informed advice to the ICO regarding compliance with longstanding Navy explosives safety standards and acceptable levels of risk with regard to explosive operations. The ESO is assigned to the safety directorate thus providing the ICO the benefit of an unbiased risk management assessment. The ESO shall initiate those directives and inspections that are necessary for compliance with the rules and regulations described within the references. The ESO shall implement and manage the Explosive Safety Program and is responsible for assuring understanding of and compliance with all explosive safety criteria as specified in the references. Responsibilities are defined in reference (d).

d. TENANT/UNIT COMMANDING OFFICERS AND DEPARTMENT HEADS.

(1) Establish written procedures to appoint or relieve a Unit Explosive Safety Representative/Coordinator, AA&E Officer, Range Safety Officer, and Ammunition and Explosive Audit and Verification Officer in writing and forward a copy to the Installation ESO as required by this order and reference (d). Personnel assigned to these positions shall follow the criteria established in this and other pertinent inventory management, physical security, and explosive safety orders.

(2) Ensure that all personnel under their cognizance comply with policies and regulations that concern the handling of explosives aboard the Installation.

(3) Ensure that all personnel handling A&E are qualified and certified as required by their Type Command (TYCOM) Qualification and Certification Program.

(4) Ensure the development of Standard Operating Procedures (SOP) for all A&E operations as specified in references (b) and (d) and forward proposed procedures to the ESO for final review.

(5) Ensure that all personnel who account for, maintain, and distribute A&E in the performance of their primary duties are screened in accordance with reference (a) and (b).

(6) Ensure that expenditure reports and NAVMC 10774 accounting records are maintained and retained as required by reference (h).

(7) Ensure that the command performs Explosives Safety Awareness Training for all personnel prior to being assigned duties involved in the storage, transport, handling, maintenance, receipt/issue, and use of A&E annually thereafter.

e. TENANT/UNIT EXPLOSIVE SAFETY REPRESENTATIVE/COORDINATORS.

(1) Explosive Safety Representative/Coordinators shall develop and administer safety training for supervisory personnel and special operational needs to ensure that safety objectives of this Order and all references are attained.

(2) Explosive Safety Representative/Coordinators shall perform inspections of A&E operating areas quarterly and A&E storage areas on a periodic basis. All inspections will be performed utilizing the evaluation guide of reference (d), and locally developed Explosive Safety Inspection Checklists. Inspection records shall be maintained for a period of three years.

(3) Ensures that unit representatives develop SOP's for all A&E handling evolutions that occur aboard the Installation. Participates in the review and approval process for the SOP's as required by appropriate orders and directives.

(4) Provide the necessary data to assist the Installation Facility Planner in preparing facilities site approval documents and all requests for deviations from established explosives safety standards. Ensure that all explosive operations being performed are in compliance with existing site approval documentation.

(5) Ensures that all personnel who utilize A&E transportation and handling equipment aboard the Installation are trained and licensed to operate and that the equipment is inspected, tested, and maintained as required by all applicable regulations.

(6) Personnel assigned to these positions shall follow the criteria established in this and other pertinent explosive safety orders.

f. SUPERVISORY PERSONNEL.

(1) Shall be thoroughly familiar with the safety standards pertaining to explosive safety, and ensure personnel under his/her cognizance understand and comply with these explosive safety standards.

(2) Ensure all personnel handling, storing, and transporting A&E material are trained, qualified, and certified to perform the job assigned to them and that the training and certification is current. This requirement is applicable to all personnel to include aircraft maintenance, Explosive Ordnance Disposal (EOD), Military Working Dog, contractors and civilian government employees, that handle, store or transport A&E. Qualification and certification (QUAL/CERT) programs shall be managed as outlined in reference (a).

(3) Act positively to eliminate any potential accident hazard that exists within their operational jurisdiction.

(4) Conduct explosive safety training for all newly assigned personnel and at least annually thereafter, or as new explosive material or techniques are introduced into the operation. This requirement applies to armory, rifle range, aircraft refuelers, and A&E emergency response personnel.

(5) Investigate and report all accidents and incidents involving explosive material.

(6) Ensure all personnel involved with handling and transporting A&E meet the medical examination requirements established by reference (a), Title 49 Code of Federal Regulations, and Bureau of Medicine and Surgery Manual of the Medical Department, Chapter 15, and Article 15-71B.

(7) Ensure that unit representatives develop SOP's for all A&E handling evolutions that occur aboard the Installation. Participate in the review and approval process for the SOP's as required by appropriate orders and directives.

g. NON-SUPERVISORY PERSONNEL.

(1) Be charged with reading, understanding and strictly observing all safety standards, requirements and precautions applicable to their work or duty.

(2) Report any unsafe acts or practices to their supervisory personnel for corrective action.

h. FIRE FIGHTING PERSONNEL. Station fire fighters and crash crew personnel shall be familiar with the requirements of reference (b), Chapter 4 and this Order in the performance of their duties associated with fighting explosive-hazard type fires. Training involving A&E storage site identification and A&E firefighting policies shall be conducted for newly assigned personnel and at least annually thereafter.

i. ARMORY PERSONNEL. Armory personnel shall adhere to the explosive safety regulations and physical security requirements of this Order and references (b), (d), and (i).

j. EXPLOSIVE ORDNANCE DISPOSAL PERSONNEL. EOD personnel shall be familiar with the requirements established by this Order and reference (d), in addition to the specific regulations involving the performance of their duties.

CHAPTER 2

GENERAL MISCELLANEOUS REQUIREMENTS

1. Background. This chapter provides guidance on general explosives safety issues to aid in the implementation of an effective ESMP.
2. Definition of Terms. As used in this Order:
 - a. "Government" means U.S. Federal Government.
 - b. "Naval" means both Navy and Marine Corps.
 - c. "Shall," "will" and "must" are directive in nature and require mandatory compliance.
 - d. "Should" is advisory in nature. Advisory requirements shall be followed unless exempted by the ICO.
 - e. "May" and "can" are optional in nature and do not require compliance.
3. Marine Corps Tenant Relationships. The installation ESO has explosives safety oversight and responsibility for all explosives activities aboard the Installation. Marine Corps tenant commands and organizations aboard the Installation will follow the Installations explosives safety regulations unless a Memorandum of Understanding (MOU), Memorandum of Agreement (MOA), or Inter-Service Support Agreement (ISSA) is in place that outlines explosives safety roles and responsibilities.
4. Other Organizational Relationships. All non-Marine Corps organizations or activities located aboard the Installation should have an MOU/MOA/ISSA that at a minimum outlines the following:
 - a. Identification of explosives safety roles and responsibilities.
 - b. Service guidance to be followed.
 - c. Funding or other support required.
5. Munitions Inerting and Display.
 - a. Only EOD personnel are authorized to conduct inerting and stripping operations in accordance with references (b) and (d).
 - b. Inspection and marking of inert-filled and empty ordnance items shall be in accordance with references (b) and (d).
 - c. Inert munitions do not contain explosive or energetic material or other hazards. Only inert munitions shall be used for classroom training, training aids, or displays unless specifically approved by COMMARCORSYSCOM. Requests for approval shall be submitted through the Installation ESO.
 - d. Ammunition that is manufactured specifically for display purposes empty or with inert material installed does not require certification.

e. Ammunition that has had explosives material removed and left empty or replaced with inert material shall be certified inert. These items will be included on the master inert inventory list maintained by EOD. EOD shall maintain a record in accordance with the references (b) and (d).

6. Clearing Barrels.

a. Clearing Barrel Locations. Clearing barrels will be provided at designated weapons clearing locations, which are generally located outside arms rooms and ranges. Commands must post positive control and procedural guidelines for all weapons at clearing barrels and ensure personnel use them during weapons clearing.

b. Authorized Clearing Barrels.

(1) Locally constructed clearing barrels will be in accordance with reference (d).

(2) General Services Administration (GSA) approved Commercial On The Shelf (COTS) clearing barrels may be used. If COTS clearing barrels are used, the unit using/maintaining the clearing barrel will obtain and maintain product test and specification data from the manufacturer for as long as the clearing barrel is in use/service. COTS clearing barrels will be inspected and documented for serviceability and maintained in accordance with the manufacturers' specifications. This documentation will be made available to the ESO upon request. In no case shall COTS clearing barrels be inspected less than annually.

7. Amnesty Program.

a. Supervisors will ensure that Amnesty Program procedures are posted and all personnel are aware of operational and safety requirements for MCAS Cherry Point concerning A&E found or recovered aboard the Installation. The A&E Amnesty Program is not intended to circumvent normal turn-in and accountability procedures.

b. No A&E shall be disassembled, tampered with, or fired in any device not designated for that ammunition.

c. Any ammunition found on the Installation, excluding small arms ammunition up to and including .50 caliber, will be considered extremely hazardous and will not be handled or moved by unauthorized personnel. Supporting EOD personnel shall be contacted immediately and will respond upon request by dialing COMM (252) 466-2901/5422.

d. Small arms ammunition up to and including .50 caliber, which is found aboard the Installation, may be turned into Station Ordnance, EOD, or Provost's Marshall Office (PMO).

e. Small arms ammunition defined above may be accepted at the MCAS Rifle Range or by Building 4948 Armorer's. All small arms ammunition collected at the armory shall be turned in to the H&HS Armory for collection at the end of each working day or if after hours on the next working day.

(1) H&HS armory personnel will liaison with Station Ordnance personnel on an as needed basis to request pick-up of small arms ammunition.

f. Due to the hazardous nature of A&E, the use of amnesty boxes are not authorized at any MCAS Cherry Point facility other than the Station Rifle and Pistol Range which is limited to only small arms ammunition.

(1) The amnesty box at these locations must meet the requirements of Reference (d).

g. All personnel who utilize A&E will:

(1) Follow established accountability and turn-in procedures for all A&E in their possession.

(2) Take precautions to ensure A&E is not inadvertently removed from training sites, discarded, or otherwise misdirected to circumvent established turn-in procedures.

(3) Understand the Installation Amnesty Program in the event A&E is inadvertently removed from an authorized training area.

h. Commanding Officers of all units that requisition, receipt, and handle A&E shall letter designate an Explosive Safety Officer and an A&E Accountability Officer and forward a copy of appointment letters to the Installation ESO.

i. Designated ESO/A&E Accountability Officers shall ensure A&E awareness training and amnesty program requirements are briefed to all personnel.

j. Personnel responsible for inspecting amnesty containers are responsible for the following:

(1) Monitor amnesty containers daily and remove any A&E material. Respond to requests from monitoring personnel not qualified/certified to handle or transport munitions and remove any A&E material. Ensure material is safe for transportation and storage. If the condition of the A&E material is in doubt, notify EOD for assistance.

(2) Mark and package material for storage and transportation as required.

(3) Establish key control procedures for amnesty program containers in accordance with requirements for access to secure areas, and Installation orders.

k. Any questions concerning this brief will be directed to the ESO, Safety Office at COMM (252) 466-3994/3893.

8. Communications with External Organizations.

a. Unsolicited direct liaison from Installation Units/Tenant activities with DDESB and NOSSA is not authorized, unless coordinated through the Installation.

b. All policy guidance or interpretation questions will be addressed through the Installation.

c. The Installation Explosive Safety Office must be copied on all explosives safety correspondence from Installation Units/Tenant activities to external organizations.

9. Malfunction and Defect Reporting. All commands shall submit malfunctions and defects reports involving munitions per the direction contained in reference (k).

10. Accident Reporting. All commands shall investigate, report, and maintain records of all mishaps, near misses and hazardous conditions as required by references (l) & (k).

11. Explosive Safety Deviation. When explosives safety requirements cannot be met, an explosives safety deviation must be approved prior to the commencement of the explosives operation. All explosives safety deviation requests will be submitted to the Installation Explosive Safety Office via the Unit's/Tenant operational chain-of-command to the ESO no later than 30 days prior to the requested start date of the deviation or as soon as it is discovered that a waiver is required. Unit/Tenant activities must comply with the explosives safety standards that are mandated by the Installation Commanding Officer unless an MOU/MOA has been developed that contains explosives safety implementation responsibilities for each tenant organization. Copies of all deviations relating to Marine Corps explosives operations on the Installation and inter-service operations will be submitted to the Installation Explosive Safety Office.

12. Construction Worker Authorization. Approval authority for construction workers within K18 intraline distance of a Potential Explosive Site (PES) is dependent on the work involved, amount of time the workers will be present and type of facilities affected. Construction Worker Authorization (CWA) submission guidance is provided below.

a. Routine maintenance and repair work conducted inside K18 intraline distance can be approved at the Installation ESO level. Examples of routine maintenance are provided in reference (b).

b. Maintenance and repair work conducted inside K18 intraline distance that is not routine and does not alter/modify the facility, Lightning Protection System (LPS) and/or change the currently sited operation will be submitted to the Installation ESO. Documentation requirements for CWA submitted as event waivers to the ESO will use the event waiver format contained in reference (b) and contain the information for a CWA identified in reference (d). The subject line must identify the request as a CWA.

c. Maintenance and repair work that is not routine and affects an explosives facility will be submitted to the Installation ESO.

13. Storage of Non-DoD Munitions. Non-DoD (including captured enemy ammunition) and foreign munitions shall be properly segregated and separated from DoD munitions. The following regulations shall be adhered to:

a. During peacetime, only formally cataloged Class V material may be stored on the Installation or in Station Ordnance.

b. Storage of non-DoD and foreign munitions, with the exceptions of safe haven and combat operations, requires storage authority from COMMARCORSYSCOM. Requests will be submitted via the ESO.

c. Required Information. All non-DoD storage requests must include the following:

(1) Complete item description and National Stock Number (NSN) or other identifying information, if known.

(2) Item quantity.

(3) Hazard classification/division (HC/D) and Storage Compatibility Group (SCG) or interim hazard classification documentation.

(4) Net Explosive Weight (NEW).

(5) Justification for and type of storage required.

(6) Expected duration of storage.

(7) Approved munitions retrograde plan for unexpended ammunition.

d. Actual usage of non-DoD munitions aboard the Installation will require approval from Training and Education Command (TECOM), Range Management Division (RMD).

14. Safety Regulations. The following information describes guidelines to follow while handling, transporting, storing, and disposing of A&E aboard MCAS Cherry Point and Outlying Fields (OLF).

a. Only personnel possessing thorough knowledge and training in the handling, transportation, storage, and disposal of A&E will be assigned to perform and supervise these functions.

b. Each command shall ensure that personnel assigned duties requiring the handling, transportation, storage, and disposition of A&E are trained to avoid injury, loss of life; damage and/or loss of equipment/property.

c. Personnel assigned to handle A&E aboard MCAS Cherry Point/OLF's must be qualified and certified within the Class V (A/W) (QUAL/CERT) Program per reference (a).

d. A&E shall never be buried, abandoned, destroyed, fired indiscriminately, or otherwise disposed of in order to avoid returning the Class V material to an authorized storage site.

e. Using units/tenants will not burn wooden boxes or discard metal containers. All A&E containers and retrograde material will be turned into the proper disposition entities (i.e. landfill; Defense Logistics Agency-Disposition Services (DLA-DS); Quality Recycling Program) aboard the Installation. In some instances disposition of unique ammunition shipping containers shall be directed by Station Ordnance.

f. Smoking is prohibited within 50 ft. of explosives at all times. Smoking areas must be designated in A&E storage facilities and labeled with "Designated Smoking Area" signs per references (b).

g. Anyone observing an unsafe condition will correct the situation immediately and will promptly report the incident to their immediate supervisor.

h. If an approaching electrical storm is within 10 miles or less, A&E operations will be terminated. If work is being performed in a magazine/Ready Service Locker (RSL) or an open storage site, the work shall stop, and all equipment will be safely secured, and the following actions will be taken:

(1) Close and lock the magazine/RSL.

(2) Evacuate personnel to a safe distance as soon as possible. At a minimum, Public Transportation Route (PTR) distance shall be used.

15. Fire Prevention/Protection. Fire is the greatest threat to A&E. References (b) and (d) will be utilized for fire prevention and protection procedures aboard MCAS Cherry Point/OLF's wherever A&E is stored. It is the responsibility of all personnel to recognize and observe good housekeeping and safety practices for the prevention of fires involving A&E, and to understand procedures for fighting and controlling fires that involve explosive materials.

16. Hazards of Electromagnetic Radiation to Ordnance (HERO). HERO control shall be maintained per references (f) and (m).

17. Material Potentially Presenting an Explosives Hazard. Material Potentially Presenting an Explosives Hazard (MPPEH) will be managed per reference (d). The MCAS Cherry Point Explosives Safety Officer COMM (252) 466-3994/3893 will assist units with any questions or concerns regarding MPPEH management.

18. Standard Operating Procedures (SOP). SOPs are required for all A&E operations not conducted in accordance with technical directives, approved checklists, or Fleet Marine Field Training Manuals (FMFMs). This requirement includes DoD and non-standard tenants and contractors when in support of Marine Corps operations.

a. SOPs will be developed, implemented, and reviewed in accordance with reference (d) chapter 10.

CHAPTER 3

EXPLOSIVE SAFETY REVIEW

1. Background. The objective of the Installation ESMP is to mitigate explosives mishaps and resulting losses in terms of injuries, deaths, property damage, and mission effectiveness. Root cause analysis of mishaps involving A&E provides possible methods of interrupting the chain of events which led to the explosive incident. Historical analysis has determined the majority of incidents could have been avoided had the commands or individuals involved been effectively trained, inspected, supervised, or followed prescribed operational procedures. Accordingly, evaluations, technical assistance, inspections, self-assessments, and periodic reviews, will be conducted and documented to assess the effectiveness of the Installation ESMP at all command levels. Compliance evaluations/inspections serve as a means to ensure commands are aware of explosives safety criteria, apply lessons learned, transfer information, communicate problem areas to higher authority, and identify root causes that may lead to an explosives-related incident or mishap.

2. External Review Boards, Surveys and Inspections. Representatives from DDESB, CMC, CNO, COMMARCORSYSCOM and Marine Corps Installations East (MCI East) will make periodic inspections and assistance visits to munitions storage and operating areas at MCAS Cherry Point/OLF's to ascertain compliance with prescribed explosives safety regulations. All explosives safety inspections, surveys, and assistance visits to the Installation by agencies external to MCAS Cherry Point will be coordinated through the Installation and MCI East. Unsolicited direct liaison from Marine Corps activities with DDESB, NOSSA and COMMARCORSYSCOM is not authorized, unless coordinated through the ESO and MCI East. The ESO/MCI East must be copied on all explosives safety correspondence from MCAS Cherry Point/OLF's activities to external organizations.

3. DDESB Explosives Safety Management Evaluation Program. In accordance with reference (e), the DDESB Explosives Safety Management Evaluation Program evaluates the effectiveness of the Marine Corps ESMP program. This is a service-level evaluation that takes a programmatic approach in assessing explosives safety compliance. The evaluation identifies program strengths and weaknesses, analyzes root causes of explosives safety noncompliance and recommends solutions to possible problem areas.

a. DDESB will evaluate specific program elements consistent with the echelon of command being evaluated. Program elements are identified based on the contents of the appropriate DoD or DON issuance. The following programs will be evaluated based on the echelon of command being evaluated:

- (1) Installation
 - (a) Management
 - (b) Plans/Policies/Procedures
 - (c) Execution/Operations
 - (d) Execution/Operations Support

b. Service components are evaluated on a rotating fiscal year (FY) cycle. During the Marine Corps cycle, the DDESB will conduct evaluations based on input from COMMARCORSYSCOM. DDESB will identify Commands scheduled for evaluation via official correspondence with COMMARCORSYSCOM. Specific coordination and tasking requirements will be identified and provided as part of the official notification. Evaluated commands must be prepared to brief applicable topics contained in the evaluation notification.

4. Ammunition and Hazardous (AMHAZ) Materials Handling Review Board. As required by reference (b), the AMHAZ Materials Handling Review Board provides a DON level review of factors pertinent to proper safety in the handling, storage, and transportation of munitions at each major installation and all nearby activities. Additionally, the Board reviews explosives safety conditions as reflected in, or impacted by, planned construction projects, reviews all explosives safety deviations on the Installation, and provides visibility of explosives safety related issues to installation commanders and senior officers.

a. The AMHAZ Handling Review Board is not an investigative or inspection organization. It is an advisory group, dedicated to working with local commands to achieve proper balance between operational readiness and acceptable levels of safety.

(1) The AMHAZ Handling Review Board reviews, and recommends to the CNO, via COMMARCORSYSCOM, the cancellation, modification, or continuation of any deviation in effect.

(2) The AMHAZ Board re-validates all Safety Assessment for Explosives Risk (SAFER)-issued explosives safety site approvals, on-base road PTR exposures and roll-on/roll-off (RORO) operations during the review.

5. Explosives Safety Inspection Program. As directed by CMC, COMMARCORSYSCOM will conduct Explosives Safety Inspections (ESI) per reference (r).

a. With the exception of DoD guidance, Marine Corps Orders (MCO) and directives take precedence in the event of conflicting regulatory guidance.

b. Unit/Tenant Commands on MCAS Cherry Point/OLF's under the cognizance of the ESI Program must route all correspondence via the chain of command to the ESO.

c. ESI Corrective Action Plans (CAPs) and Quarterly CAPs updates will be submitted per reference (r).

6. Explosives Safety Self-Assessment (ESSA). The ESSA is a formal program by which the Installation conducts on-going appraisals of munitions operations to determine the effectiveness of the explosives safety program. A complete ESSA will be conducted on an annual basis per reference (r).

7. Technical Assistance Visit (TAV). TAVs are performed at the request of a unit/tenant aboard the Installation. The TAV program is established for the purpose of providing technical expertise and assistance in the management and safe storage of ammunition. TAV's are designed to assist with specific

explosives safety issues and are not meant to serve as a pre-inspection review.

a. The purpose of a TAV is to assist the unit/tenant with explosives safety programmatic and technical issues.

b. The TAV team will consist of qualified personnel designated by the ESO. Depending upon the scope of the TAV, the team may be augmented by personnel from various field activities, training commands, and ESOs from other installations.

CHAPTER 4

EXPLOSIVES SAFETY SITE PLANNING

1. Background. Explosives safety standards contained in references (e), (b) and implemented by reference (d) and this Order, apply to all U.S. titled ammunition munitions unless more restrictive local standards are mandated by international agreement. These standards must be considered the minimum, with greater protection provided when practical.

2. Locations Requiring Site Approval/Plans. An explosive safety site approval request (ESSAR) is required by references (b) and (d) for all locations where ammunition and explosives (A&E) is handled, manufactured, modified, or stored. This requirement includes permanent fixed containers located on ranges, containers used in conjunction with an amnesty program, exposed sites encumbered by explosives arcs, and those areas used for the storage and permitted treatment of waste military munitions (WMM).

3. Explosives Safety Site Approval Submissions. Units/tenants must submit a request to the Installation Explosive Safety Office for all proposed locations to store A&E and locations where A&E are handled for more than a continuous 24 hour period unless exempted by reference (d). In the event that a record of site approval is not on file or if the re-designation or modification of an existing site is required, units/tenants must submit site approval requests via the ESO. Site approval must be obtained prior to handling or storing A&E, or prior to the start of new construction.

4. New Construction Encumbered by Existing Arcs. New or proposed construction within 110% of explosives safety quantity distance (ESQD) arcs require site evaluation by both the ESO and facility planners and may require reevaluation/re-siting. Careful evaluation by users, facility planners, and ESOs is essential prior to selecting a site for new construction.

5. Explosives Safety Site Approval Requirements. Commanding Officer's Requirements for Explosives Sites.

a. Each unit/tenant will maintain a file copy, or electronic copy of each site approval within their commands showing the locations of all explosives storage and handling locations.

b. ESO Requirements

(1) Participate, as an active member, on the Site Approval Development Team (SADT) per reference (d).

(2) Review and provide recommendations for all facility construction, modification, or changes in usage impacting base explosives operations.

(3) Coordinate with facility planners to develop alternative site plans should original plans be found out of compliance with regulatory requirements.

(4) Maintain accurate and up-to-date files of approved site plans.

(5) Develop a written process to implement all new and modified approved site plans.

(6) Update and maintain all required potential explosive site/exposed site (PES/ES) data to include compensatory measures associated with site plans in the Environmental and Explosive Safety (EES) web portal.

(7) Ensure affected commands are notified, in writing of any required compensatory measures.

(8) Ensure the affected commands implement the compensatory measures in their SOPs.

c. Site Approval Development Team (SADT). At a minimum the SADT shall include the ESO, the activity/installation Public Works Department (PWD) facilities planner, and a technical representative from the command conducting the explosives operations being sited. As required, the team may also include representatives from Naval Facilities (NAVFAC) responsible for facility design.

d. Facilities Planning/Public Works Requirements for Site Planning. Facility planners are responsible for preparing and routing all planned construction projects, of both explosives and non-explosives facilities that may encumber explosives operations or violate existing Explosive Safety Quantity Distance (ESQD) arcs, through the Installation ESO for review, recommendation, and concurrence. Planners are responsible for preparing and forwarding all documentation required for analysis, review and approval of the site plan. Facility planners should submit Explosive Safety Site Approval Requests (ESSARs) as early as possible to avoid construction delays. No construction will occur prior to the receipt of an approved site plan.

6. Documentation Maintenance. All A&E sited locations, to include Installation Commanding Officer approved storage locations, and all facilities within 110% of an explosives arc, must be loaded into the Installation site module of the EES web portal.

7. Encroachment Review. Conduct an annual encroachment review of areas encompassed by ESQD arcs by non-ammunition related activities. Any encroachment will be reported to the Installation civil engineers, Installation Commander, and the encroaching organization. All organizations involved will meet within 10 working days to resolve the encroachment problem. Upon resolution, the ESO will submit any necessary changes to the explosives site plans. Annual encroachment review may be documented via the same Memorandum for Record (MFR) prepared for map review. The current review will be maintained on file.

CHAPTER 5

OPERATIONAL EXPLOSIVE SAFETY

1. Background. The Marine Corps Air Station continuously trains with and deploys with A&E. The hazards associated with the storage, handling, transportation, and employment of A&E are compounded in an operational environment. This chapter provides explosives safety information to support the operational plans of Commanders.
2. Application of Explosives Safety Requirements. The following identifies the explosives safety criteria that must be applied, depending on the type of operation, participating members, and location.
 - a. When outside the U.S.; comply with host nation, multi-national, or U.S. explosives safety standards, whichever is more stringent, unless standards applicability is mandated in an International Agreement.
 - b. Within the U.S; comply with the requirements contained in references (b), (d) and this Order.
 - c. For Multinational and NATO operations consult reference (d).
3. Applicability. Reference (b) provides the minimum criteria for explosives safety and munitions risk management in operational planning, training, and execution.
4. Explosives Safety Munitions Risk Management (ESMRM). ESMRM must be integrated into the planning and execution process as required by reference (d).
5. Asset Protection. The protection of assets in an operational environment is paramount and can be the difference between mission success and failure. units/tenants will adhere to the requirements of references (b) and (d) as the minimum.
6. Forward Arming and Refueling Point (FARP) Operations.
 - a. All FARP training operations shall be established in accordance with the separation distances specified in Table 5-1. Units conducting FARP operations shall conduct all operations, per current Naval Air Training and Operating Procedures (NATOPS) manuals and Conventional Weapons Loading (CWL) checklists.
 - b. FARP Operations
 - (1) Contingency FARP sites shall be established in accordance with the separation distances specified in Table 5-2. The separation distances shown are the minimum required to prevent prompt propagation of explosive sites. However, subsequent reactions are possible with death to exposed personnel and substantial damage to assets expected. Aircraft and equipment will not be usable following such an incident. In order to prevent propagation or reaction between explosives sites, greater separation (asset preservation) distances should be provided. PTR separation distances should afford this level of protection. See Notes for interpretation of Tables.

From:	To:	Rearm Point	Ordnance Staging Area	Ordnance Buildup Area	Ordnance Storage Area	Red Label Area	Sling Out Area	Refueling Point	Bulk Fuel Storage	Billeting Bivouac Area	Runway/Taxiway (DoD use)	Runway/Taxiway (Joint use)	Inhabited Building	Public Trans Route
Rearm Point		IM	None	IL	IM	IM	IM	IL	IBD	IBD	PTR	IBD	IBD	3
Ordnance Staging Area		IM	IM	IL	IM	IM	IM	IL	IBD	IBD	PTR	IBD	IBD	3
Ordnance Buildup Area		2	IM	IL	IM	IM	IL	IL	IBD	IBD	PTR	IBD	IBD	3
Ordnance Staging Area		2	IM	IL	IM	IM	IM	IL	IBD	IBD	PTR	IBD	IBD	3
Red Label Area		IM	IM	IL	IM	IM	IM	IL	IBD	IBD	1	IBD	IBD	3
Sling Out Area		IBD	IBD	IBD	IBD	IBD	IBD	IBD	IBD	IBD	1	IBD	IBD	3
Notes:														
		1. No ESQD applies, however, applicable NAVAIR airfield safety criteria shall be met.												
		2. K30 used for HC/D 1.1 items only. Use applicable PTR distance for non-mass detonating explosives.												
		3. PTR distance based on traffic density (low, medium, high). Refer to NAVSEA OP 5, chapter 7.												

Table 5-1. Forward Arming and Refueling Point Operation Separation Distance

Notes:

IM = Intermagazine

IL = Intraline

K = A factor that varies depending on the risk assumed or permitted. The value of K, as applied in various situations, is given in the tabular data at the end of chapter 7 in NAVSEA OP 5 VOL. 1 Seventh Revision. As the value of K decreases, the separation distance decreases, indicating acceptance of a greater amount of damage.

IBD = Inhabited Building Distance

PTR = Public Transportation Route

c. Use of Combat Aircraft Loading Areas (CALA) is mandatory during the loading, unloading and rearming of aircraft carrying hazard class 1.1 or 1.2 ammunition as defined by reference (b). The CALA shall also be used as the station "red label" area for loading for unloading hazardous material for cargo aircraft.

d. The CALA is also used for all emergency safing and unloading of HERO-unsafe or HERO-susceptible ordnance and hung ordnance that cannot be adequately safed in this arming/de-arming area.

From:	To:	Rearm Point	Ordnance Staging Area	Ordnance Buildup Area	Ordnance Storage Area	Red Label Area	Sling Out Area	Refueling Point	Bulk Fuel Storage	Billeting Bivouac Area	Runway/Taxiway (DoD use)	Runway/Taxiway (Joint use)	Inhabited Building	Public Trans Route
Rearm Point	IM	IM	IL	IM	IM	IM	IM	100'	IBD	IBD	K45	IBD	IBD	2
Ordnance Staging Area	IM	IM	IL	IM	IM	IM	IM	100'	IBD	IBD	K45	IBD	IBD	2
Ordnance Buildup Area	IM	IM	IL	IM	IM	IL	IM	100'	IBD	IBD	K45	IBD	IBD	2
Ordnance Staging Area	IM	IM	IL	IM	IM	IM	IM	100'	IBD	IBD	K45	IBD	IBD	2
Red Label Area	IM	IM	IL	IM	IM	IM	IM	100'	IBD	IBD	K45	IBD	IBD	2
Sling Out Area	IM	IM	IL	IM	IM	IM	IM	100'	IBD	IBD	K45	IBD	IBD	2
Notes:														
1. Where asset preservation is a primary concern, use K24/K30 separation for H/D 1.1, and PTR separation distance for H/D 1.2, 1.3, or 1.4. Applies wherever IBD is not specified.														
2. PTR distance based on traffic density (low, medium, high). Refer to NAVSEA OP 5, Vol 1, chapter 7.														

Table 5-2. Forward Arming and Refueling Point Operation
Contingency Separation Distance

Notes:

IM = Intermagazine

IL = Intraline

IBD = Inhabited Building Distance

PTR = Public Transportation Route

K = A factor that varies depending on the risk assumed or permitted. The value of K, as applied in various situations, is given in the tabular data at the end of chapter 7 in NAVSEA OP 5 VOL. 1 Seventh Revision. As the value of K decreases, the separation distance decreases, indicating acceptance of a greater amount of damage.

7. Combat Aircraft Loading Area Operations. Ordnance handling pads and CALAs are areas designed and constructed to meet the ESQD requirements of reference (b) during loading or unloading of high explosives on combat or cargo aircraft. A map depicting the exact location of the ordnance handling pad or CALA is included as Enclosure (3). Operational procedures for the CALA are defined in the station's Air Operations Manual, reference (s).

CHAPTER 6

STORAGE

1. Background. The provisions of this chapter relate to the storage of A&E material. These provisions must be supplemented by other references to ensure that proper safeguards are observed to protect A&E.
2. Storage. A&E shall be stored per references (b) and (d). Storage in any structure not specifically designated for A&E, especially buildings occupied by personnel, is prohibited; except for limited quantities of small arms ammunition for safety and security approved in reference (d). Weapons will not be stored in any magazine specifically designed and currently being used for A&E storage.
3. Range Storage. Range Storage is defined as any event in which munitions are temporarily stored off of a vehicle at a range supporting marksmanship training or field exercises not lasting more than 24 hours.
4. Field Storage. Field storage is defined as any time munitions stored at a range are off loaded from a vehicle for storage on the ground in support of marksmanship training or field exercises in excess of 24 hours. In addition to the requirements of reference (b), the following guidance shall be adhered to for all A&E field storage aboard MCAS Cherry Point/OLF's:
 - a. ESQD, compatibility, and segregation requirements in reference (b) shall be adhered to at all times.
 - b. Upon establishment of the Field Ammunition Supply Project (FASP)/Ammunition Supply Point (ASP)/Basic Load Holding Ammunition Area (BLAHA), inventory management and issue/receipt control procedures will be established immediately and an NSN/Lot Number Record (LNR) (NAVMC 10774 card) or equivalent electronic accounting system will be utilized per reference (h).
 - c. Reusable containers will be properly turned in to DLA-DS. Unserviceable containers and/or packing material will be processed as material potentially presenting an explosive hazard (MPPEH) per reference (d).
 - d. Appropriate protective material (e.g., water and fire resistant tarpaulins and dunnage) will be used to protect A&E from inclement weather conditions and ground moisture. A&E should be closely monitored during periods of high heat and humidity for possible degradation. Any covering shall be open on the sides and a minimum of 18" of ventilation shall be maintained between the top of the stack and cover to provide air space and allow free circulation of air around the material.
 - e. At a minimum, one 10 B:C fire extinguisher will be staged at the field storage site.

f. In case of white phosphorus (WP) field storage, a barrel of water big enough to submerge the largest WP projectile stored and 5/6 cup sodium bicarbonate dissolved in one gallon of water shall be kept near the storage location for the period of the field storage.

g. Security will be provided based on the highest risk associated with the A&E being stored as outlined in reference (i).

h. Ensure that all emitters and transmitters (including cell phones) maintain required separation distance from field storage sites per reference (q).

i. The Explosives Safety Representative (ESR) or unit Ammunition Technician will brief the Range Officer-in-Charge (ROIC) of all Notices of Ammunition Reclassification (NAR), Ammunition Information Notices (AINs), and/or lots functionally clear/not clear for Over-Head Fire (OHF) that correspond to A&E being stored. NARs, AINs, and OHFs messages will be screened against on hand assets on a daily basis by the using unit or their MSC.

5. Field Storage Requests. Field storage for periods of 24 to 48 hours shall meet the requirements outlined below, notification to the ESO is not required. Field storage for periods of 48 hours to five days shall meet the requirements outlined below as well as notification to the ESO. Field storage exceeding five days requires authorization from the Commanding Officer MCAS Cherry Point prior to establishment of the field storage site. Field storage requests will be forwarded via the operational chain-of-command to the ESO no later than 15 days prior to the requested start date of the field storage site.

a. Field storage requests shall, at a minimum, contain the following information:

(1) Justification/requirement to establish field storage.

(2) Duration of storage (days).

(3) Area map with clear view of the storage location and grid coordinates.

(4) Department of Defense identification Code (DODIC), quantity, Hazard Class/Division (HC/D), compatibility group, and NEW of each A&E item to be stored at the storage site.

(5) Security plan, communication plan, transportation and safety measures to be implemented in support of the storage plan.

(a) If FASP security requirements cannot be met per reference (i), field storage will not be authorized.

(6) Field storage plan and site diagram.

(7) Approved SOPs per reference (b).

(a) All SOPs pertaining to A&E require review and approval by the ESO. SOPs developed, must be submitted to the ESO for review no later than 30 days prior to conducting field storage operations.

(b) Risk Management/Hazard Communication (HAZCOM) briefings are required to be given to all personnel that work with or around A&E.

6. Unit Armories/Security Forces.

a. When approved by the Installation Commander, limited quantities of ammunition may be stored in facilities such as armories, but must follow the fire protection regulations per references (b) and (i). This includes small arms ammunition and pyrotechnics for alert, and ammunition for safety or security purposes.

b. Units will submit requests for authorization to store to the ESO via their chain-of-command to the Joint Safety Office. The request must include DODIC, nomenclature, HC/D, quantity, NEW for each round, NEW combined for each DODIC, location and NEW combined for each location. This shall be done on an annual basis or anytime there is a change in the DODIC or quantity of ammunition being stored.

7. Naval Criminal Investigative Service and MCAS Cherry Point EOD.

a. The Special Agent in Charge (SAIC) or designated representative and the OIC, are responsible for ensuring that the storage of A&E in their respective RSL is maintained per reference (b).

b. The MCAS Cherry Point EOD OIC or designated representative, will provide the Station Ordnance OIC with an inventory of all items stored in their respective magazine on a regular interval approved by the Station Ordnance OIC. The magazine will not exceed 1,000 pounds NEW of mixed compatibility and will not store non-DoD A&E without specific authorization. The inventory will be updated as changes occur.

8. Storage of Non-DoD A&E

a. Authorization must be granted from the CG, Marine Corps Systems Command prior to storing non-DoD A&E in Marine Corps storage facilities per reference (d). Requests will be submitted from the unit commander via the chain-of-command and the Installation ESO to Commander, Marine Corps Systems Command (PMM-116), 2200 Lester Street, Quantico, VA 22134. Request for non-DoD A&E storage shall be submitted no later than 45 days in advance.

b. Non-DoD A&E items shall be properly separated from DoD A&E as described in reference (d).

c. Authorization to store does not constitute authorization to expend non-DoD A&E.

CHAPTER 7

TRANSPORTATION

1. Background. This chapter outlines the regulations and requirements for transportation of A&E on and off MCAS Cherry Point. Commanders at all echelons must ensure compliance with applicable directives before, during, and after movement of A&E material.

2. Command Responsibilities. Each unit/tenant desiring to transport A&E on or off the MCAS Cherry Point will ensure that the standards outlined in this chapter are adhered to. It is the policy of the Marine Corps to minimize the movement of A&E on public highways by government owned vehicles (GOVs). Commercial carriers will be utilized for the transportation of A&E to the maximum extent possible. All transportation of A&E will be executed per reference (c) and (n).

3. On-Base Movements. For all ammunition transportation staying on MCAS Cherry Point, vehicles will have a qualified explosives driver which will be 18 years of age or older and an A-Driver. The A-Driver will also act as the armed guard as needed.

a. Orthochlorobenzalmalononitrile (Riot control agent) in capsule suspension (CS) do not require an explosive qualified driver for transport aboard the MCAS Cherry Point.

4. Off-Base Movements. Government-owned and operated vehicles may be used to transport A&E up to but not exceeding 100 miles from the MCAS Cherry Point without approval from the Installation Commander. Infrequent movements from the installation in excess of 100 miles may be approved by the Installation Commander. Repeated use of GOVs for scheduled trips exceeding 100 miles require the approval of CG MARCORSYSCOM via the unit's chain-of-command.

a. For all off-base A&E shipments traveling over public roads/highways; there must be two qualified explosives drivers. Both must be 21 years of age or older. Security will be commensurate with reference (i).

b. Requests for off-base transportation further than 100 miles must be submitted no less than 15 working days prior to movement and will contain the following information:

- (1) Unit requesting off-base movement authorization.
- (2) Point-of-contact and info for individual receiving the A&E at the Station Ordnance.
- (3) Date A&E is to be prepared for shipment and method of securing the load (i.e., blocked and braced, strapped, etc.).
- (4) Scheduled date of departure and date of return.
- (5) Origin and destination.
- (6) Security plan.
- (7) Communication plan.

(8) DODIC, nomenclature, quantity, proper shipping name, HC/D, total gross weight, and N.E.W. of the A&E being transported.

(9) Number and types of vehicles to be utilized to transport the A&E.

(10) Recovery plan in the event of a break-down or accident.

(11) Route/map and written directions as enclosures (route plan must include refueling and rest stops). Units will request approved traffic routes from their Unit Movement Control Center (UMCC) for the A&E movement. In the event an approved route is not available, commercially available map programs such as Google maps or MapQuest may be used to develop routes. The route must be direct, easy to understand, and avoid populated areas to the greatest extent possible.

(12) A blank Ground Transportation Request (GTR) may be obtained from the Explosive Safety Office website at <https://eis.usmc.mil/sites/chpt/Safety/SafetyCollab/Pages/ESO.aspx>. Requestors should contact their Major Subordinate Command (MSC) with any questions or information that is required on the GTR.

c. The request, once signed by the unit/tenant Commander and endorsed by their chain-of-command, can be scanned along with all attachments/enclosures and sent via e-mail from the unit's MSC to the MCAS Cherry Point Organizational Mail Box (OMB) at the Safety Office (CHPT_SAFETY_OMB@usmc.mil).

d. When the GTR is approved, the Installation ESO will process the request and provide copies of the approval to all organizations involved.

e. In the event that a date change is required for the movement, the unit will submit an updated GTR to the ESO for approval, with a courtesy copy to the receiving Installation.

5. Additional Guidance.

a. Failure to submit the request as described above can result in the delay of approval for an off-base transportation request.

b. Government Bill of Ladings, Shipper's Declaration for Dangerous Goods, and DoD Multimodal Dangerous Goods Declarations (DD Form 2890) will be signed by a representative that has attended the Technical Transportation of Hazardous Material (Ammo-62) classroom course and been designated in writing by the unit/tenant Commander. A copy of the designation letter will be provided to the MCAS Cherry Point Distribution Management Officer (DMO).

c. If applicable, a copy of the DOT Special Permit, Certificate of Equivalency or Interim Hazard Classification shall also accompany the shipping papers.

d. The Motor Vehicle Inspection Report (Transporting Hazardous Material) (DD Form 626) will be signed by the driver and a shipping inspector. The shipping inspector must have the Naval Motor Vehicle Inspection (Ammo-51) certificate and been designated in writing by the Battalion/Squadron Commander. A copy of the designation letter will be provided to the MCAS Cherry Point DMO.

e. The appropriate North American Emergency Response Guidebook (ERG) guide sheet must be attached to the DD Form 2890.

f. Per reference (c), all motor vehicles transporting A&E will have shipping papers containing pertinent information for each type of A&E being transported.

6. Explosives Laden Vehicle Routes. Strict compliance with the use of authorized explosives laden vehicle routes (Enclosure 2) will be met by all commands transporting A&E aboard MCAS Cherry Point/OLF's.

a. The primary explosives route for commercial trucks entering MCAS Cherry Point is NC HWY 70 to Slocum Road to Station Ordnance. For commercial trucks departing MCAS Cherry Point or Station Ordnance the primary explosives route is Slocum Road to NC HWY 70.

b. Primary explosives routes for on-base movement of A&E are Slocum Road, Roosevelt Blvd., Access Road, Duffy Road, Rifle Range Road and 6th Ave. The following guidance will assist units for off-base locations:

(1) II MEF tactical vehicles restricted roads and bridges:

a. Western Blvd and Western Blvd extension; authorized only with Road Master escort.

b. Queen's Creek Road

c. Bear Creek Road

d. HWY 1756 (also known as Nine Mile Road)

e. Nine Foot Road

g. Gum Branch Road

h. HWY 58 (Emerald Isle Road)

i. Stone Street except for emergency vehicles.

j. NC 210 east of NC 172

k. West Road

l. Catfish Lake Road

m. Lake Road

n. Roberts Road

o. NC-101

c. Security ammunition will only be transported aboard MCAS Cherry Point utilizing the approved explosives laden vehicle routes (Enclosure 2). Units will utilize the approved explosives laden vehicle routes at all times, deviating only to proceed onto and off of the road in which their unit armory is located. If a road is blocked, units will use the next most direct route, utilizing the approved explosives laden vehicle routes as much as possible.

(1) A&E will not be transported on the following roads, unless prior authorization is approved by the Installation Commander: Nine Mile Road, Nine Ft. Road, Roberts Road, Lake Road and Arendell Street in Morehead City (Hwy 70).

d. A&E will not be transported into housing areas, troop billeting areas, administrative or industrial/maintenance areas for any reason, except for security/reactionary force requirements.

7. Vehicle Requirements.

a. Vehicles used for the transportation of A&E must meet the requirements set forth in references (b), (c), and (n).

b. Vehicles transporting A&E must be equipped with the following items:

(1) One set of wheel chocks per compartment (loaded trailers are considered a separate loaded vehicle and will require one set of chocks).

(2) The current "Glove Box Edition" excerpt from reference (c).

(3) A water and fire resistant tarpaulin.

(4) A set of three red bi-directional reflective emergency triangles.

(5) A fire extinguisher that is properly filled and readily accessible. The portable fire extinguisher will be dry chemical type with a minimum Underwriters' Laboratory (UL) capacity rating of 10-B:C or a multi-purpose dry chemical fire extinguisher with a UL rating of 2 to 5-A/10-B:C per reference (c).

(6) Every motor vehicle transporting Class/Division 1.1 through 1.4 explosives, oxidizers, flammable materials, corrosives, compressed gases, poisons, or radioactive materials off-station or on-station shall be properly placarded per reference (c).

c. For truck/trailer combinations, the truck and trailer are considered separate loaded vehicles and will be placarded accordingly.

8. Vehicle Capacity. Vehicles will not be loaded beyond their approved load capacity. Tactical vehicle operators refer to the vehicle manufactures data plate for maximum cargo weight for both on and off-highways.

9. Security Requirements. Security for all A&E shipments will be per reference (i).

a. Only security ammunition for the armed guard is authorized to be transported in the front passenger compartment of a vehicle.

b. An armed guard is not required for the movement of CS capsules.

10. Refueling Regulations.

a. Refueling of A&E laden vehicles is prohibited aboard the MCAS Cherry Point except for emergencies.

b. When refueling becomes absolutely necessary the following actions are required:

(1) Turn off lights.

(2) Turn off the engine.

(3) Ground the fuel hose.

(4) The A-Driver will stand by with a fire extinguisher.

c. In the event of a fuel spill during refueling operations, fueling will stop and the spill will be thoroughly washed with water and the vehicle shall be moved 50 ft. from where the spillage occurred.

11. Field Returns. Commanders will ensure that vehicles utilized for transporting field returns of A&E to Station Ordnance meet the transportation compatibility requirements and have the appropriate shipping documents as set forth in reference (c).

12. Hazards of Electromagnetic Radiation to Ordnance. Transportation of Cartridge Actuated Devices and Propellant Actuated Devices with the following provisions:

a. Where applicable, A&E must be transported in original containers. Special attention must be given to securing Electrically Initiated Device (EID) and Electroexplosive Device (EED) see reference (m).

b. HERO UNSAFE and HERO SUSCEPTIBLE ORDNANCE will be enclosed in sealed, all metal-containers during transport. (When transported in sealed, all metal-containers, such ordnance is considered HERO SAFE.) If HERO SUSCEPTIBLE ORDNANCE is transported outside a sealed, all metal-container, observe the HERO separation distances listed in enclosure (7), (12), or (17) of reference (m). Prior to transportation unit commanders will check the HERO EMCON condition with the Airfield Operations Duty Officer (ODO) and notify the installation ESO.

c. Officers and supervisors are responsible for ensuring operators of government vehicles containing a mobile transmitter do not energize the transmitter within the safe separation distances provided per reference (m), and for ensuring EEDs are transported in sealed, all-metal containers.

13. Blocking and Bracing. Blocking and bracing of hazardous materials will be done by competent school trained and certified personnel. Requests must be submitted five (5) working days in advance by the requesting unit to Station Ordnance. The blocking and bracing must be done per MIL-STD-1320 or U.S. Army AMC 19-48 series drawings (tactical vehicles only).

14. Points to be Considered Prior to Arrival at Station Ordnance. Units are responsible for inspecting vehicles prior to arriving at Station Ordnance so that any deficiencies can be corrected.

a. Ensure enough vehicles are provided to move the entire load at one time. A&E Compatibility requirements must be taken into consideration in conjunction with cube and weight.

b. Range dunnage, to include brass, ammo containers, trash, boxes, etc. will not be in the same compartments as the ammunition being returned.

c. Ensure vehicles used for field returns of unexpended A&E are loaded correctly, secured and strapped down properly, and are placarded with the highest hazard of material being transported.

15. Material Handling Equipment. Material Handling Equipment (MHE) operators will possess a valid MHE operator's license, a valid explosives driver's endorsement and a current Medical Examiner's Certificate. MHE operators will comply with the provisions of references (o) and (p). All MHE utilized in the movement of A&E shall be tested and certified per reference (o).

16. Safety Planning. All units (Tenant/Non-Tenant) requesting usage of the CALA at MCAS Cherry Point for the loading or the transportation of ordnance will submit a written request (Enclosure 3) to the Explosive Safety Office via email (CHPT.CALA.REQ.OMB@usmc.mil) at least 5 working days prior to the day requested.

CHAPTER 8

INCOMING / OUTBOUND A&E SHIPMENTS

1. Background. This chapter outlines procedures and requirements for inbound and outbound A&E shipments consigned to MCAS Cherry Point. It also addresses the removal of the vehicle(s) to a designated suspect cargo site when the vehicle(s) or cargo has become reasonably suspect of being in a hazardous condition.
2. Applicable References. References (b through d) outline the criteria for initial incoming shipment inspections and the establishment of suspect cargo areas.
3. Responsibilities. The MCAS Cherry Point Provost Marshal Office (PMO) will establish written procedures to be included in the standing guard orders to meet with the requirements of this chapter. The Station Ordnance OIC will be responsible for the conduct of the final destination motor vehicle inspection.
4. Routing of A&E Laden Vehicle. Upon the arrival of an A&E laden vehicle at the Slocum Road Gate, prompt removal of the vehicle is essential for the safety of personnel entering and exiting the installation and facilities in close proximity. PMO will expeditiously verify the shipment, inspect the vehicle, and provide the driver with instructions.
5. Inbound A&E from Military and Commercial Vehicles

- a. Inbound of A&E During Normal Working Hours:

- (1) Explosive laden vehicles arriving via Slocum Road access gate will be inspected for basic integrity of the vehicle at the gate by MCAS Cherry Point PMO. PMO will direct the vehicle to park at the old railhead Bldg 410.

- (2) PMO will notify Station Ordnance personnel of incoming vehicle. Station Ordnance will perform the Vehicle Inspection.

- (3) PMO and/or Station Ordnance personnel will escort vehicle to the loading/downloading area either Bldg 1200 (Ready Area) or a Loading Dock. Suspect Cargo vehicles will be escorted to the Suspect Cargo site, Bldg 4393. Restrictions and procedures stipulated in reference (1) apply.

NOTE:

Concurrent use of Bldg 4393 for both Suspect Cargo and regular shipments is prohibited. While the Suspect Cargo is in use for Suspect Cargo vehicles, no explosives or explosives operations will be permitted at Bldg. 4393.

- (4) Reference (c) should be referred to for inspection requirements of the subject shipment.

- b. Arrival of A&E after Normal Working Hours:

- (1) Explosive laden vehicles arriving via Slocum Road access gate will be inspected for basic integrity of the vehicle at the gate by MCAS Cherry Point PMO personnel. PMO will direct the vehicle to park at the old railhead Bldg 410. PMO will perform the Suspect Vehicle Inspection. Vehicles

arriving at this station after normal duty hours will be parked overnight at the Loading Dock (Bldg 4393) as long as the maximum NEW does not exceed 30,000 lbs. If the vehicle requires security due to the nature of its cargo Security Risk Code (SRC), PMO will provide security until the next working day. Duty section personnel will immediately be notified of vehicles arriving after hours to assist in determining the stowage/security requirements of cargo. Further guidance concerning safe haven is outlined in references (c) & (o). Once the loading dock exceeds NEW of 30,000 lbs subsequent vehicles will be staged at the Ready Area to a maximum NEW of 30,000 lbs.

(2) Should the tractor have an attached dromedary with explosives loaded within, the driver(s) will leave the vehicle, be taken to a local hotel and picked up the next morning. In case of an emergency, the driver(s) will be notified either by their cellular phone, room phone, or by PMO and be directed to remove their trailer from the explosive area. If the driver(s) had to leave the tractor in the explosive area he/she will be called and picked up from the hotel in order to move the trailer in the event of an emergency (i.e. fire within the Explosive Storage Area).

(3) If determined by the duty section leader that cargo must be stowed after hours, the following action will be taken:

(a) Duty section personnel will muster within 60 minutes of being notified of the pending off-load.

(b) The on-scene supervisor is responsible for ensuring the accurate accountability of material and delivering all shipping documents to the Ammunition Stock Reporting Section (ASRS) the next working day.

6. Suspect cargo.

a. Immediately notify EOD COMM (252) 466-3432 and the Station Fire Marshall COMM (252) 466-2737 or 911.

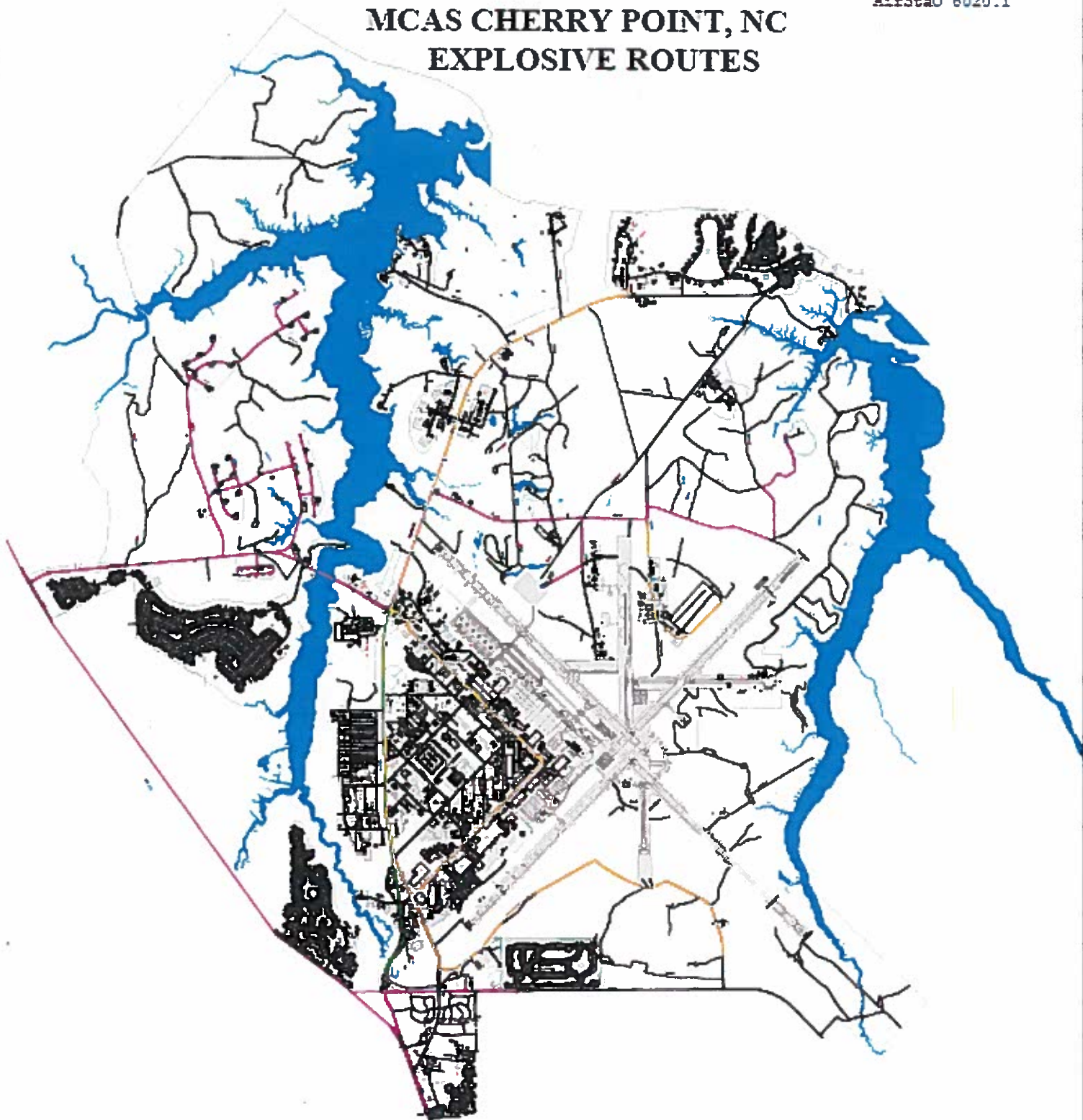
(1) Notify the ESO COMM (252) 466-3994/3983 and Station Ordnance OIC/NCOIC COMM (252) 466-5746/2915.

(2) Upon securing the vehicle in the Suspect Cargo Site, PMO, Station Ordnance personnel and the driver will clear and maintain a 4000 ft. safe perimeter away from the Suspect Cargo Site, until EOD has given the all clear.

b. If Cargo/vehicle is not considered suspect:

(1) If the cargo is determined safe, the vehicle will be downloaded during normal working hours. If after normal working hours the vehicle will remain in place (bldg. 4393).

MCAS CHERRY POINT, NC EXPLOSIVE ROUTES



Revised 10 November 2003 by
M. CHAMBERS, P. H. LITTON, CONSULTING ENGINEERS
11/03/03

1:250,000 0 1,250 2,500 3,750 Feet

Map prepared by M. CHAMBERS, P. H. LITTON, CONSULTING ENGINEERS

DATA FROM DATA INCORPORATION AND ANALYSIS SYSTEM
Marine Corps Air Station Cherry Point, NC

Managed by the PMO Office (C-70) 800 8704

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- Other Route C/D 1.3 and 1.4
- Primary Route C/D 1.1 thru 1.4
- Secondary Route C/D 1.1 thru 1.4 By Dir PMO Escort Required



Enclosure (2)

CALA REQUEST
(UNIT/COMMANDING/ORGANIZATION LETTERHEAD)

8020
 XXX
 DD MM YY

From: Commanding (General/Officer), (Unit/Command/Organization)
 To: Commanding Officer, Marine Corps Air Station Cherry Point, (Airfield Operations)
 Via (1) Explosive Safety Office, MCAS Cherry Point

Subj: USE OF COMBAT AIRCRAFT LOADING AREA ~~(CALA)~~

Ref: (a) AirStaO 3710.5L

1. → Per reference (a), this (Unit/Organization) request use of the CALA on (date) during the period of (time to time). Request to stage aircraft on (date) in designated parking spots. Additional information is provided below:

# of A/C	NALC	NOMENCLATURE	QTY Each A/C	IND N.E.W.	TOTAL N.E.W. (lbs)	HC/D
2	E463	Bomb, GP MK 81 HE	4	100	800	1.1D
2	F372	Booster, Adapter	4	0.25	2	1.1D
2	F681	Fuse, M904	4	0.17	1.34	1.1D
				Total	803.34 lbs	
NOTE:		AIRCRAFT = THE NUMBER OF AIRCRAFT CARRYING THAT TYPE WEAPON				
		QTY = THE NUMBER OF WEAPONS PER AIRCRAFT				
		IND N.E.W. = THE NET EXPLOSIVE WEIGHT FOR ONE ITEM				
		AIRCRAFT X QTY X IND N.E.W. = TOTAL N.E.W.				

(Example)

NOTES: Respectfully request parking for 3 AV8B Harriers from: 1600, 9 May - 2200 11 May. Request Hot/Cold fuel on 10 May @ 09:00 hrs.

2. POC for this matter is MSgt Marine, I. AM. COMM: (252)466-XXXX or EMAIL at i.am.marine@usmc.mil.

I. AM. MARINE