

August 13, 2015

RANGE REGULATION

Summary. This revised regulation updates the policies, safety procedures, and administrative procedures for requesting and using ranges, training facilities, and training areas on Fort Huachuca.

Applicability. This regulation applies to all personnel, military and civilian, engaged in any activity, official or unofficial, while using ranges, training facilities, or training areas on Fort Huachuca.

Supplementation. Supplementation of this regulation is prohibited without prior approval from the proponent.

Suggested improvements. The proponent of this regulation is The Range Officer, Directorate of Plans, Training, Mobilization, and Security. Users may send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) through channels to Commander, US Army Garrison (USAG), ATTN: IMHU-PLT, Fort Huachuca, AZ 85613-7012.

Availability. This publication is available on the Fort Huachuca homepage at <https://fhintranet.hua.army.mil>.

Contents

Chapter 1

Introduction	Paragraph	Page
Purpose.	1-1	1
Scope.	1-2	1
References	1-3	1
Exceptions	1-4	1
Off-limits and limited access areas.	1-5	1
Recreational use of Fort Huachuca training lands.	1-6	2
Prohibited activities.	1-7	2
Privately owned vehicle (POV) and military traffic policies	1-8	4

*This regulation supersedes FH Reg 385-8, 3 October 2006 and all previous editions.

Chapter 2

Responsibilities	Paragraph	Page
General.	2-1	6
Fort Huachuca.	2-2	6
Using units, agencies, and organizations	2-3	11

Chapter 3
Range Operations

Requests for use and scheduling.	3-1	13
Scheduling procedures.	3-2	14
Range and tactical safety	3-3	14
Range communications	3-4	19
Duds, misfires, and malfunctions	3-5	20
Accident or incident reporting	3-6	20
Range fires.	3-7	21
Airlift or airdrop operations.	3-8	22
Non-standard events on the range complex	3-9	24
Use of pyrotechnics and fire plans	3-10	26

Appendixes

A. References.	A-1
B. General Training Facility and Range Information.	B-1
C. Officer In Charge/Range Safety Officer Appointments.	C-1
D. Training Areas Capabilities List.	D-1
E. Training Area Map.	E-1
Glossary.	G-1

Chapter 1

General

1-1. Purpose. This regulation prescribes procedures and policies for the safe and efficient utilization of ranges, training facilities, and training areas within the boundaries of Fort Huachuca. This regulation is punitive in nature. Failure to comply with this regulation may subject the offender to punitive or administrative action under Federal law or regulations. Such laws and regulations include, but are not limited to; Article 92 of the Uniform Code of Military Justice (UCMJ), Federal civilian personnel regulations, Federal criminal statutes, and applicable provisions of the Arizona Revised Statutes (ARS) as assimilated by 18 United States Code (USC) Section 13, as appropriate. Additionally, offenders may also be barred from and ordered not to re-enter part or all of Fort Huachuca by the Garrison Commander under the authority of 18 USC 13.

1-2. Scope. This regulation is applicable to all units and activities on Fort Huachuca; all other Department of Defense and Federal Agencies served; and any public or civilian agency, organization, or individual requesting use of range of training area under Fort Huachuca control. Live-fire activity of any nature (training facility or area use) will be in accordance with (IAW) this regulation, all referenced publications, and other oral or written instructions that may be required. Training includes, but is not limited to; mountain and desert training, adventure, escape and evasion training, brigade, and lower echelon field training exercises.

1-3. References. Referenced and required publications and prescribed and referenced forms are listed in appendix A.

1-4. Exceptions. Requests for exceptions to the provisions of this regulation must be submitted to Commander, USAG, Fort Huachuca, ATTN: IMHU-PLT, Fort Huachuca, AZ 85613-7012. A written justification is required for each requested exception. Justification must include details as to the adverse impact on the unit and mission if the request for exception were to be disapproved.

1-5. Off-limits and limited access areas.

a. All ranges, training areas, and facilities that are under Range Operations oversight are off-limits unless they are being utilized in an authorized manner by certified personnel through a scheduled or coordinated event. Any person who enters any range, training facility, or training area without proper authority, or any person who enters with proper authority but engages in any unapproved use of or prohibited activity on any range, training facility, or training area, is a trespasser, and will be removed, by force if necessary, by the military police or other appropriate official.

b. Training area "Z" on the East Range is a designated high hazard HE impact area. (Appendix E) This area is permanently off-limits to all recreational activities. All requests to conduct military training or testing in area "Z" will be approved or disapproved by the Range Officer. Individuals on official business and requiring access

to Area "Z" must receive approval from Range Operations prior to entry. The handling of unexploded ordnance or removing of any item from any of the training lands is prohibited. Any individuals who wish to enter this area must be briefed by the Range Officer, or his designated representative on the hazards that all unexploded ordnance (UXO) present and what signs to watch out for.

c. All permanently fenced sites, facilities, buildings (i.e., communication sites, EPG Facilities, etc), and storage areas located in the training areas of the Fort Huachuca Military Installation are off-limits to all personnel and units conducting training or recreational activity on the installation.

d. All scheduled training and test areas are off-limits to persons not participating in the training or testing. Individuals on official business and requiring access to these areas will request approval and coordinate with Range Operations prior to entering the off-limits area.

1-6. Recreational use of Fort Huachuca training lands.

a. Persons desiring to participate in recreational activities on Fort Huachuca training lands are responsible for checking to ensure that military training is not taking place and those areas they wish to access are not closed. Individuals or groups who fail to make such checks prior to entering such areas may not be able to successfully pursue a cause of action, claim, or similar demand against the United States, its officers, agents, or employees, for any property loss or physical injury arising out of their entry into or use of such areas.

b. Requests for use of ranges, training facilities, or training areas by non-military entities and non-tenant military organizations will be sent to DPTMS Garrison Support at usarmy.huachuca.imcom-central.mbxhuac-watch@mail.mil stating the name of the organization; what activity you wish to engage in; where and when the activity will take place; and what, if any, support is needed from the Installation. These requests will be considered on a case-by-case basis.

c. Civilian Support activities must be staffed through the Office of the Staff Judge Advocate and have Garrison Commander approval.

d. Designated OIC and RSOs for recreation events must meet the minimum criteria set forth in the DA Pam 385-63 or other applicable regulations, and will follow the same procedures for opening and closing of the range or facility as observed by military units.

1-7. Prohibited activities.

a. The following prohibited activities are not all inclusive. Additional restrictions may be found within the various chapters of this or other post regulations. Other prohibitions may be declared at varying times throughout the year due to weather, fire danger, flooding, environmental, or other conditions.

b. The handling of unexploded ordnance or removing of any item from any range, training area, or impact area is prohibited under penalties provided for by Federal Law and the Uniform Code of Military Justice (UCMJ). This includes, but is not limited to, the unauthorized removal of brass, scrap metal, or ammunition residue. If unexploded ordnance items are discovered, the area (not closer than 10 meters to the object) will be marked with a strip of visible material. Range Operations (533-7093/7095, or Channel 1, zone A on LMR system) will be notified immediately and provided the location and description of the item. The individual discovering the item must remain readily available to guide the Range Operations personnel to the site.

c. Collecting prehistoric or historic artifacts, fossils or old objects, or digging or destroying archeological or paleontological sites, is prohibited within the confines of Fort Huachuca. As part of the installation's Cultural Resources Management Program archeological projects may be conducted by assigned Army staff or professionals with proper authorization.

d. Digging fighting positions, slit trenches, gun positions, sumps, or holes of any other type, or cutting vegetation of any type or in any manner is unauthorized. All digging requirements must be noted on the original RFMSS request. It is the requesting unit's responsibility to coordinate with the appropriate office in acquiring all necessary permits. The preparation of hasty-fighting positions must be listed on the original request and will be approved on a case-by-case basis by Range Operations.

e. Blocking roads, trails, or fire breaks, unless specifically approved by Range Operations.

f. Entry to or on any range, training facility, or training area without permission from Range Operations.

g. Firing any weapon while engaged in activities other than military training except during recreational shooting on Range 3, or any scheduled hunt governed by Fort Huachuca, the State of Arizona, or Federal regulations.

h. Use of unscheduled ranges, training facilities, or training areas for personal convenience, to include the discharge of any privately owned weapon (POW) for the purpose of target practice or zeroing. Additionally, POWs will not be permitted on any range during military training.

i. Going down range to check any target malfunction. Electronically operated targets will not be modified, repaired, or worked on by other than Range Operations or designated maintenance personnel.

j. Non-standard use of ranges, training facilities, training areas or pyrotechnics (tracers, smoke grenades, simulators, flares, etc.), unless specifically noted on original request, and approved by Training Division. Unless specifically authorized, ranges will only be utilized for the weapon systems for which they were designed to be contained

inside of the installation boundary. Use of ranges will be IAW the appropriate Army Regulation (AR), Field Manual (FM), Technical Manual (TM), and this regulation.

k. Firing of weapons at, harassment, injuring, or killing of wild animals or livestock while utilizing a range or training area to conduct military training. Details of any violation will be immediately reported to Range Operations. Range Operations will notify the Game Management Office at 533-7083, of the incident.

l. Cross-country driving of military and privately owned vehicles (POV) to include motorcycles, ATV's and other off highway vehicles except in case of an emergency where no other mode of transportation is available.

m. Entering any road, trail or firebreak posted as limited, barricaded either temporary or permanent, or prohibited access unless in conjunction with official duties.

n. No recreational rappelling, rock climbing, etc.

1-8. Privately owned vehicles and military traffic policies.

a. Operation of Off-Highway Vehicles (OHV) is limited to unimproved roads and dirt trails. Vehicles must be equipped with brakes, a spark arrestor, and a muffler, all in good working order. Users are referred to FH Regulation 190-5 for additional requirements and restrictions.

b. During road movements, the following policies have been established to facilitate administrative traffic control, prevent unnecessary changes to road nets, prevent environmental damage, and to ensure optimum safety. Convoy or road march activity must be requested on original request and approved by Range Operations prior to any training. Unit must submit a strip map NLT 10 working days prior to event start. Necessary coordination with other agencies (such as Military Police) is the responsibility of the requesting unit and must be made prior to submitting request to Range Operations. All the following operations must be addressed in the Commander's Risk Assessment.

c. Wheeled vehicle movement outside of the cantonment area is restricted to established roadways, firebreaks, unimproved roads, and jeep trails. Maximum speed limit for all wheeled vehicles, unless otherwise posted, is 25 miles-per-hour (MPH) IAW FH Regulation 190-5.

d. Tracked vehicles are restricted to authorized maneuver areas and designated or marked tank trails. The speed limit on tank trails for tracked vehicles is 15 MPH; catch-up speed is 20 MPH.

e. In the absence of signs, vehicles crossing tank trails will yield the right of way.

f. No vehicle will exceed 10 MPH when passing troops in formation.

- g. During travel, all vehicles will maintain at least a 50 meter interval.
- h. The lead and rear vehicles of a convoy will have, as a minimum, one senior occupant in the rank of NCO (CPL or above). Lead and rear vehicles will maintain a distance of one hundred meters from the convoy. The lead and rear vehicles will be marked with clearly visible signs indicating "CONVOY FOLLOWS" and "CONVOY AHEAD".
- i. During road marches ensure individuals walk off the edge of paved roads or the extreme left/right of non-paved roads. Marchers will not walk in roadway to impede traffic flow. Road marches will have as a minimum two personnel wearing reflective vests one hundred meters to the front and rear of the marchers. During the hours of darkness personnel to the front and rear of the marchers will be equipped with flashlights. In addition all personnel will have a chem-light attached to the helmet or ruck sack
- j. During vehicular convoys, the lead and trail vehicles will have headlights turned "ON" during hours of darkness and all periods of limited visibility.
- k. Convoys or march columns that leave the tank trails, firebreaks, or access roads to use training facilities or areas, or when reentering such roads, will post road guards to control traffic. Road guards will be posted at critical intersections, such as: where hardtop roads and tank trails cross; where the convoy or march column enters or exits an established roadway. Road guards will be dismounted. Vehicles will not be used to block roads. Road guards will be equipped with reflective vests, flashlights or other applicable safety devices. Vehicles will not leave the authorized trails, to satisfy the requirement of having a trail vehicle, the vehicle may however be staged along the road march route, but will not block trails or roads.
- l. During official training activities, the unit commander may approve POVs being driven to ranges, training facilities, and training areas. Weapons and ammunition will not be transported in POVs. POVs are restricted to marked roads and must be parked in designated POV parking areas, vehicles will not park in adjoining grasslands or wooded areas. Government vehicles used to transport troops, or non-tactical vehicles (NTV) authorized to accompany troops to sites, will be parked in designated areas. See Appendix B, (General Training Information & range Information) to this regulation for authorized parking areas at specific ranges and facilities.
- m. Permission to conduct blackout marches will be granted on a case-by-case basis. Strict adherence to the information in paragraph 9 above is required and is subject to inspection by Range Operations personnel. Vehicles will not exceed 15 MPH while driving under blackout conditions. For safety purposes, Range Operations will provide details of "blackout" convoy and road march operations for publication in the post newspaper and Weekly Bulletin.

Chapter 2

Responsibilities

2-1. General. All personnel using Fort Huachuca range and training facilities, or training areas will be aware of designated hazardous areas, required precautions and necessary restrictions as outlined in this regulation, other applicable publications, and as published in the post newspaper and Weekly Bulletin. Leaders are encouraged to read and be familiar with this regulation and the using unit SOP prior to conducting range operations or using training facilities. Specific questions on current policies and procedures may be directed to the Fort Huachuca Range Officer at 533-7095, Range Safety Specialist at 533-7311/ 8373 or the DPTMS website <http://www.huachuca.army.mil/pages/dptms/index.html> .

2-2. Fort Huachuca.

a. Senior Commander:

1. Ensures the installation Public Affairs Office (PAO) is included in planning and executing the installation Range Safety Program. The PAO assists in the education of on-post and off-post personnel to include school children in the dangers of trespassing on ranges and training areas and handling unexploded ordnance (UXO).

2. Develops procedures to ensure all release of information to the public news media is made through the installation PAO and IAW AR 360-1.

3. Ensures warnings are issued at least 24 hours in advance, through the PAO, to the public news media before firing operations that may involve possible hazards to the general public.

4. Prohibits the use of alcohol and controlled substances in any training environment and prohibit any individual under the influence of alcohol or controlled substance entrance to a training area or range facility.

5. Ensures ammunition and explosives not expended during training are returned to the Ammunition Supply Point (ASP), in the original packaging, when firing is completed or as directed by local policy.

6. All laser operations within the installation range complex will comply with Military Handbook (MIL-HDBK) 828B, AR 385-63, and DA PAM 385-63. The Fort Huachuca range officer in coordination with the installation laser safety officer will ensure that all laser surface danger zones will terminate inside of the installation boundary, provided there is significant justification IAW AR 385-63.

7. Ensures an aggressive education program on the dangers of dud ammunition and other items of UXO is implemented.

8. Provide the authority to the range officer to withdraw or suspend training complex privileges from any person, organization, agency, or club that willfully violates AR 385-63, DA Pam 385-63, and all applicable regulations, or from any person whose ability or conduct is incompatible with the safe use of government range structures and facilities.

9. Make available to the range officer a copy of the Senior Commanders Installation Needs and Issues (SCINI) document.

10. Provide range operations with a listing of all tenant units on Fort Huachuca and at what priority they will receive in scheduling for upcoming quarters, for use in the Range Operations Quarterly Scheduling Conference. Highest priority for a quarter will be given to units that are deploying or organizations which are training Soldiers that are one quarter out from deploying.

b. Commander, US Army Garrison will:

1. Establish procedures for the safe conduct of operations on all firing ranges that are within the installation's area of responsibility, including recreational ranges. Ensure that commanders of using units, subordinate organizations and activities designate, train, and qualify individuals to perform the duties of Range Officer-In-Charge (OIC) and Range Safety Officer (RSO) during firing periods IAW AR 385-63.

2. Conduct an aggressive education program for all military and civilian personnel, military dependents (especially school aged children), and the general public on the dangers of ammunition duds and other unexploded ordnance. Coordination should be with the Installation Safety Office, Public Affairs Office, Range Operations, and IAW AR 350-19

3. Provide periodic public service notices, through the Public Affairs Office, to warn neighboring communities of the hazards involved in trespassing on the Fort Huachuca installation and in handling unexploded ordnance IAW AR 350-19.

4. Identify live-fire and maneuver training land requirements IAW TC 25-1 (Training Lands), and TC 25-8 (Training Ranges) for tenant units.

5. Ensure UXO areas are appropriately identified and deemed off limits to all personnel if sufficient justification exists.

c. The Director, Plans, Training, Mobilization, and Security (DPTMS), USAG:

1. Exercises staff supervision over Training Division and Range Operations, which is responsible for:

(a) Ensuring the safe and proper use of all military live-fire ranges, training facilities and training areas.

- (b) Approving all Range Facility Management Support System (RFMSS) requests, pyrotechnics fire plans, scheduling and coordinating the use of all ranges, training facilities, and training areas IAW established priorities.
- (c) Preparation of firing schedules and training area closures for publication in the weekly bulletin and post newspaper.
- (d) Approval of all combat live-fire scenarios and all non-standard events on the range complex, prior to execution.
- (e) Log and track training lands, range usage and ammunition expenditure on the range complex via RFMSS.
- (f) Administering the Range Safety and Integrated Training Area Management (ITAM) Briefings and issuing a Range Safety Card to all officers in charge and range safety officers who successfully pass the briefing.
- (g) Performing scheduled or unscheduled checks of ranges, training facilities, and training areas to ensure safety, security, prevention or discovery of any destruction, theft, or unauthorized use of Government property.
- (h) Constructing and maintaining an adequate supply of targets. Targets must be appropriate to the TOE/TDA weapons of units normally using the ranges. Ensuring that units provide the required fund sites for associated target costs when Range Operations budget constraints prevent the purchase of necessary materials to provide targets to the using unit.
- (i) Monitoring all personnel access to the Installation Range Complex for both training and administrative purposes.
- (j) Notifying the Directorate of Emergency Services (DES) of unauthorized personnel to include undocumented immigrant (UDI) or activity in or on the ranges, facilities, training areas, or impact areas.
- (k) Ensuring the readiness of all ranges, training facilities, and training areas by performing routinely scheduled checks and maintenance.
- (l) Establishing and enforcing standards of safety, operational efficiency, and effective resource utilization on the Range Complex.
- (m) Preparing, maintaining, and enforcing the range regulation, Standard Operating Procedures (SOP), and safety programs.
- (n) Coordinating with Explosive Ordnance Disposal (EOD) personnel for the removal, destruction of unexploded ordnance found on installation training lands.

(o) The Range Safety Specialist in coordination with the Installation Safety Office will conduct frequent inspections independently and in conjunction with Range Operations personnel to ensure compliance with range and safety regulations, SOPs, current guidance, and requirements of all users of the Range Complex.

(p) Is responsible to cease any training or activity which has been determined to fall under one of the following conditions: unsafe acts, operating not in accordance with applicable regulations, causing destruction to Range facilities or the environment. Units will comply with instructions from the Training Division until the situation has been corrected or has been adjudicated by the Range Officer and the using units Commander or equivalent for resolution.

(q) The Range Officer will advise the Garrison Commander on proposed location(s) for new ranges.

(r) Range Operations will coordinate with the Directorate of Public Works (DPW) concerning the repair of ranges, facilities, and training areas, and grass and weed cutting on or adjacent to those areas. This includes necessary repair and grading of access roads and firebreaks.

(s) Coordinating with the Network Enterprise Command (NEC) on matters pertaining to operation, installation, and maintenance of radio and telephone communications between firing ranges, facilities, training areas, and Range Operations.

(t) The Range Officer will certify the boundaries of all laser ranges inside of the Range Complex.

(u) Coordinating with the Public Affairs Officer for information to be published in advance of training activities that might cause adverse reaction within the civilian community.

(v) Requests for air space will be coordinated through the Airspace Officer at Libby Army Airfield. Conflicts in use of air space, drop-zones (DZ's) and landing zones (LZ's) on the East Range, controlled firing areas and restricted areas will be resolved between the air space coordinator and Training Division. Airspace related questions may be directed to the LAAF Airfield Manager at 538-2861.

(w) Any firing of a weapon or laser system from an aviation platform within the confines of the Installation Range Complex, will require notification be given to the Training Division in order to assist the firing unit with creation of surface danger zones or safety measures required for the event. All firing or laser events must be scheduled in RFMSS IAW DA Pam 385-63. All laser operations are covered in the Fort Huachuca Installation Laser SOP.

(x) Name the Aviation Division as the controlling agency for all UAS flights on the Installation Range Complex. The Aviation Division will brief all operators IAW DA

Pam 385-63 prior to any flight operations being conducted. Communication must be maintained with Libby Tower while in a flight status.

d. The Directorate of Emergency Services (DES) will:

1. Ensure the Law Enforcement Division (LED), DES, exercises and enforces overall responsibility for the physical security of ranges, facilities, and training areas. This includes performing periodic checks to prevent unauthorized use, destruction, or theft of Government property. Range Operations will be notified of any physical security incidents. As required, the LED will detain, apprehend, or remove unauthorized personnel from ranges, facilities, training or impact areas.

2. Ensure that the Fire Department coordinates with Range Operations regarding procedures for scheduling controlled burns, fire prevention, and fire fighting of range fires.

3. Provide necessary support to the Training Division in the event of a UXO incident.

e. Directorate of Public Works (DPW) will:

1. Ensure the maintenance and repair of facilities and training areas which are beyond the capability of Range Operations.

2. Ensure the repair of safety deficiencies of facilities and training areas which are beyond the capability of Range Operations.

3. Accomplish grass and weed cutting as scheduled, requested, or required on ranges, firing points, access roads, and roads fronting the ranges.

4. Maintain firebreaks (consistent with range scheduling) to contain grass or weed fires, IAW the Installation Fire Departments determination for clearing and grading.

5. Advise the Range Officer on National Environmental Policy Act (NEPA) documentation requirements for the conduct of training and/or testing on Fort Huachuca training lands. Prepare NEPA documentation in support of range maintenance and/or construction projects. Environmental Division (ENRD) will provide digging clearances/adjudication to requesting units.

6. Coordinate and approve the use of off-post areas for training or testing purposes, IAW FH Regulation 420-12 (Acquisition and Use of Miscellaneous and Off-Post Real Estate).

7. Ensure, if required, special permits are obtained in order to conduct a Level 2 Emergency Munitions Response by EOD.

f. Commander, US Army Health Services Command will ensure the availability of qualified medical personnel and equipment in support of training requirements, as coordinated and requested.

2-3. Using units, agencies, and organizations will:

a. Assume responsibility for the safe conduct of their entire unit's training IAW all applicable regulations while on the Fort Huachuca Range Complex.

b. Submit request for utilization of ranges, training facilities and training areas not less than 21 calendar days before the anticipated date of use.

c. Use ranges, facilities, and training areas IAW this regulation, and other appropriate regulations and manuals governing the type of training to be conducted.

d. When required by regulatory requirements medical support will be present at the training event and the Fire Fighters could be present on site at the Fire Department's discretion. Units are required to notify the Fire Department two weeks prior to any event involving MK-19 or .50 cal HMG ammunitions. Cost for the support will be determined by the Fort Huachuca Fire Chief.

e. All using units utilizing the Range Complex are required to have and maintain a comprehensive Commanders Range Safety Program, graduates of this course of study are to be deemed as fully qualified by the Battalion Commander or equivalent to operate ranges or facilities on the Range Complex. These Range Safety Programs will at a minimum cover the safety aspects of all weapon & laser systems utilized by their unit, range and safety procedures during firing, remedial training for sub-standard performing shooters, and training for lane safeties.

f. The Battalion Commander or equivalent will designate in writing to the Training Division a list of qualified Officer In Charge (OIC) and Range Safety Officers (RSO). This list must be submitted to the Training Division before the qualified OIC and RSOs are allowed to attend the Range Safety Briefing. Commanders should ensure the list is updated quarterly.

g. Unit Commanders will ensure the attendance of all qualified OIC/RSOs at the Range Safety and ITAM briefings on the first and third Wednesday of each month at 0800 and 1300hrs. (Briefing times and dates subject to change without notice.) The location of the training is the Range 8 Classroom, unless directed otherwise.

h. Ensure the OIC and RSO report to Range Operations prior to the scheduled date of training must become familiar with the local SOP published for the specific live fire activity and the range where training is to be conducted. Units are encouraged to perform a reconnaissance of the training area or range, but participants must first check in with Range Operations to ensure the area in question is open and available to be viewed safely.

i. Ensure only range certified personnel are assigned duties as RSO or FTX Site Commander and report to Range Operations a minimum of 30 minutes before the start time indicated on the original request to accomplish sign in and receive any necessary equipment or verbal instructions. Personnel signing for training areas may sign for those areas the day prior to occupation of the site.

j. Ensure personnel reporting to Range Operations to sign for ranges, facilities, or training areas have in their possession a properly completed Range Safety Card, an approved request, and 2 copies of a risk assessment for the training event that is IAW FM 5-19.

k. Upon occupying a range or training facility, request a pre-inspection from Range Operations. The pre-inspection is to check serviceability and familiarize unit personnel (OIC/RSO) with the range, facility, and area.

l. Once the range inspector has given the OIC permission to go hot, call range Operations and request permission to go "HOT", once in a hot status make 30 minute radio checks starting from the hot time. The communication requirement is only required during Range Operations normal duty hours or when mandated by the Range Officer outside of those established hours.

m. The OIC/RSO must make changes to the risk assessment as required. If the new assessment of the hazards exceeds the approval level that was designated on the original composite risk management worksheet, submission for approval to the appropriate level is required.

n. Inform Range Operations, as far in advance as possible, when use of a scheduled range, facility, or training area has been cancelled; or when a delay of 30 minutes or more will occur in signing for the range or facility; or a delay in the activity start time. Cancellations need to be in standard memo format.

o. Ensure vegetation is neither cut nor removed from any firing range, firing point, or training area and that the environment is maintained in its natural state.

p. Ensure no alterations are made to range facilities and that government property is safe, not damaged or destroyed.

q. On an as-required basis determined by Range Operations, units will provide personnel for target construction, deployment and or removal of target mechanisms and targets, and recovery of target materials by disassembling those damaged during firing or training.

r. Maintain up-to-date Field Manuals and Technical Manuals for weapons and weapons systems at firing locations. These publications provide information on handling of misfires and malfunctions unique to the weapon or system.

s. Ensure all personnel, including inspectors and visitors, use hearing protection devices as required.

t. Upon completion of training, remove all trash, brass, ammunition boxes, crates, and litter from ranges, facilities, or areas used. Recoverable ammunition components are to be returned to the ASP.

u. Request a "COLD" time from Range Operations upon completion of the training activity. This will be accomplished upon the determination by the OIC that no further live fire or training will take place and the last obstacle of the event has been completed for the day.

v. Request final inspection from Range Operations when the unit is prepared to depart the area. The unit will not be released from responsibility until the inspection has been completed, all noted deficiencies have been corrected, issued equipment is returned to Range Operations, and required usage or accident information is reported and submitted.

w. Ensure any civilian use of ranges, facilities and training lands is IAW AR 385-63, DA Pam 385-63, AR 350-19, this regulation 1-6(3), and other applicable regulations.

Chapter 3

Range Operations

3-1. Requests for Use and Scheduling.

a. The use of Fort Huachuca ranges, training facilities, and training areas must be requested through the Range Facility Management Support System (RFMSS) computer scheduling program.

b. All individuals assigned the responsibility to schedule facilities and training areas via RFMSS must attend the Range Safety and ITAM Briefing prior to being issued a login ID and Password.

c. Failure to provide all required information on the request will be cause for disapproval and return to the unit for correction.

d. The completed request form must be submitted to the Range Operations for processing a minimum of 21 calendar days before the start date of the requested activity. Exceptions to this policy require written justification as to why the request is inside the 21 calendar day policy and must include a statement of what effect disapproval of the activity will have. Requests for exception must be signed by the first O-5 in the chain of command.

e. The priority for scheduling or use of ranges, facilities, and training areas is based on when the request is received and approved. Mobilization or deployment range and training activity has priority over all other scheduled activity.

f. Unit constructed facilities which are scheduled through Range Scheduling; the unit which funded the construction of the facility will be given priority on scheduling up to 21 calendar days out from the training event. A co-use for the facility will still be required between the unit who funded the facility and the unit who desires to utilize the facility, and this must be turned in to Range Scheduling prior to any RFMSS request being submitted.

g. All live fire ranges, training facilities, and training areas approved and scheduled for use are subject to cancellation by Range Operations.

h. The approval and scheduling of any activity does not in itself indicate sole use or occupancy of the range or training area. Adherence to subparagraph 3-2 below is mandatory.

3-2. Scheduling Procedures:

a. Remote scheduling via RFMSS requires access to a local area network (LAN) or the internet. Units may gain access as follows:

1. Contact Range Scheduling to obtain ID and password and other necessary information for access to the local LAN. All individuals assigned the responsibility to schedule facilities and training areas via RFMSS must attend the Range Certification course prior to being issued a login ID and Password.

2. Request Range Operations personnel load appropriate software on unit computer for LAN access.

b. Using units can access RFMSS on the internet through <https://rfmss.lmfs.belvoir.army.mil>. Ensure all appropriate data pertaining to unit/personnel data, dates, weapons, vehicles, ammunition, etc., is entered in request.

3-3. Range and Tactical Safety.

a. The following topics regarding safety are general in nature and apply to all users of Fort Huachuca training lands regardless of activities. They supplement safety measures mentioned elsewhere in this regulation, AR 385-63, DA Pam 385-63, Installation Safety Office Policies, and various other ARs and FMs pertaining to specific firing, training, and maneuver activities.

b. Each numbered, direct-fire range, or named training facility has a separate, specific local Standard Operating Procedure (SOP) for use when in operation. These SOPs are kept on file at Range Operations. They are issued on hand receipts to the

individual signing for the range. Each binder containing the SOP also contains available regulations and other data on the specific range, weapon system, or training activity.

c. Appendix B, this regulation, contains a Range Catalog; it provides required data concerning range capabilities and limitations for Fort Huachuca ranges.

d. Before units begin any training activity all personnel will be cautioned that rattlesnakes, scorpions, black widow spiders, brown recluse spiders, skunks, etc., may be found on any range. Personnel should avoid contact with all wildlife. Range Operations assistance will be requested if a problem should arise.

e. Safety inspections by Training Division personnel are conducted during all live-fire range activities and periodically during all other training activity. Additionally, the Installation Safety Office conducts periodic announced and unannounced safety inspections of all training activities.

f. Training Division personnel will not be denied access to any range, facility, or training area by the using unit. Training Division personnel have the authority and responsibility to declare a cease fire or to halt any training activity which is deemed by them to be unsafe or unauthorized.

g. In addition to the safety statement contained in each facility and range description, the following safety procedures will be strictly adhered to:

(1) All weapons taken to a range will be stored in designated rifle racks, weapon containers, or as a last resort, in the position of "stacked arms". The weapons selector lever will be placed in the "SAFE" position, with bolts pulled and locked to the rear.

(2) All weapons located on a live-fire range will be presumed loaded. Under no circumstances will weapons be pointed at anything other than the authorized targets.

(3) All weapons will be inspected by the RSO before firing and upon completion of firing. No weapon will be advanced to or removed from the firing line until inspected. The weapon inspection is to ensure that the weapon is unloaded, cleared, and the selector lever is placed in the "SAFE" position; the bolt or slide is locked to the rear; and a cleaning rod has been inserted into the bore to ensure that the bore and chamber are clear of any obstruction. The use of clearing barrels is authorized, provided that it is annotated on the units Risk Management Worksheet and the range is so equipped with them.

(4) Red range flag(s) will be issued to the individual signing for the live-fire range. The flag(s) will be displayed IAW this regulation or the particular written and/or verbal instructions received when the range is signed for. During the hours of darkness, red or yellow flashing caution lights will be issued and operated IAW instructions from Range Operations.

(5) Range OIC will not allow live fire to begin prior to the emplacement of all prescribed safety warning devices, to include any prescribed road warning signs, road blocks, or road guards.

(6) Prior to firing, all individuals on the range will have received an appropriate safety briefing from the OIC/RSO including a minimum: identify the left and right limits of the range, instructed that all weapons must be pointed skyward and down range at all times, have approved hearing protection, and no actions will be taken when on the firing line unless directed by the Control Tower Operator (CTO), OIC, RSO, or lane safety.

(7) At no time will running be permitted on any standard range; this includes during breaks and meal time. Horseplay will never be tolerated and will not be conducted on any range.

(8) No smoking is allowed within 50 feet of ammunition storage areas, the ammunition breakdown area, range buildings, or on the firing line. Smoking will be in designated areas only.

(9) Prior to leaving the range, a shakedown inspection will be conducted to ensure that no live ammunition, brass, or other residue is removed from the range by unauthorized personnel. The names of the persons conducting the shakedown must be given to the Range inspector conducting the final inspection.

(10) OIC/RSO must update risk assessment as conditions change and annotate the new controls on their risk assessment. If the risk level escalates to a higher level that requires a higher approval then training will pause while approval is acquired.

h. Units using live fire ranges will be prepared to cause an immediate "Cease Fire" upon notification from Range Operations, without concern for the immediate reason. Additionally, all personnel will be informed that any individual, military or civilian, who observes an unsafe act or condition may cause firing to cease by commanding "CEASE FIRE." All personnel must remain alert and watchful for personnel, vehicles, or aircraft that might inadvertently enter into downrange danger areas. If this occurs, cause firing to cease immediately and notify Range Operations.

i. For ammunition and explosive transportation, storage, and handling units will follow DA Pam 385-64 and FH Reg 725-3.

j. Ammunition malfunctions will be handled as follows--

(1) Misfire is a failure to fire, which may be due to a faulty firing mechanism or a faulty element in the propelling charge explosive train. Procedures for handling misfires are outlined in the FM or TM for the weapons and TM 9-1300-203. These instructions are to be followed without deviation. Special care will be taken when handling misfires in hot weapons. Under those conditions, ammunition which will not fire after misfire procedures have been followed will remain in the weapon until the appropriate cooling

off period has ensued, with the weapon pointed down range, evacuated, and protected from molestation. In any event, retrieved misfires are to be segregated from other ammunition, marked, and turned in to the ASP.

(2) A hang-fire may occur at any time after an initial misfire. Weapons with a misfired round in the chamber must be treated as if they might fire at any time.

(3) Cookoff may result when ammunition is placed in hot weapons, thus the need for a "cooling off" period cited in subparagraph j(1) above.

k. The following procedures will be adhered to for the use of blank ammunition:

(1) Live and blank small arms ammunition will not be fired at the same time in any phase of tactical exercises. If a change is necessary (from live to blank ammunition), a complete physical search of all personnel will be conducted for live ammunition prior to change.

(2) Weapons firing blank cartridges require a blank adapter.

(3) Blank cartridges are to be used for the weapon they are designed for.

(4) Under no circumstances will personnel tamper with blank cartridges.

(5) When misfires in excess of 5 per cent occur in firing blank cartridges, the firing of that lot of ammunition will be suspended and reported IAW AR 75-1 and FH Reg 725-3.

(6) When training is completed, Soldiers and vehicles will be checked to ensure that all blank ammunition has been collected.

l. When CS munitions are to be used outside of the NBC Chamber, advanced coordination must be made with Training Division to determine the acceptable areas for use. The using unit will provide the Range Safety Specialist with an eight digit grid coordinate indicating the location of intended use; the exact time of release or use and the amount of munitions to be used. Submitting paperwork to the Training Division does not guarantee the event has been scheduled or will be conducted, if approved, notification will be given to the Range Scheduler, and the unit must still submit a RFMSS request.

m. While lightning strikes are not predictable, recognized precautions should be taken to decrease the likelihood of lightning casualties. Thunderstorms build up tremendous electrical potential, which searches for the shortest and easiest path to the ground. Therefore, lightning is attracted to metal fences, wires, or the tallest object available, such as trees, isolated buildings, antennas, animals, or people in open areas. The following precautions are recommended:

FH Reg 385-8

(1) When an electrical storm is approaching, the senior person at the range or training area will make a decision regarding the lightning hazard and whether halting activities is necessary. Activities may also be halted at the direction of Range Operations personnel.

(2) Commanders should ensure that their organization is included on the notification roster for adverse weather conditions.

(3) When marching in formation, troops should increase the minimum distance and interval to twice that normally maintained.

(4) Radios will not be used, and troops will not carry radios with antennas extended.

(5) Troops will be removed from areas containing relay antennas or vehicles with whip antennas.

(6) Personnel will dismount from all metal machinery and move to a safe distance. A safe distance is approximately 100 yards from metal machinery, depending upon the terrain and conditions.

(7) Personnel in an outside area should avoid hilltops, haystacks, lone trees, flagpoles, fences, overhead wires, tents, and metallic objects, such as weapons of any kind, open top vehicles, trucks, and HMMWVS. Personnel may safely remain in enclosed vehicles.

(8) Should personnel be unavoidably caught in a flat, open space or on a bare hilltop, they will not be allowed to huddle together. Soldiers should disperse to reduce the attraction of lightning to a mass of bodies.

(9) Troops should attempt to take shelter in dense woods or a grove of trees but avoid trees standing alone. Soldiers will maintain a low profile if caught in an open, flat area. When taking shelter, only the minimum metal objects should be retained. Weapons and radios, etc. should be stacked away from, but within sight of, at least one person.

(10) In the event buildings are available in the immediate area, personnel should seek shelter in the largest building possible. A well-grounded metal frame building offers the most protection.

(11) In the event of one or more lightning casualties, notify Range Operations immediately by the quickest and safest means. Range Operations will immediately call for emergency medical support. In many instances personnel are only temporarily stunned or paralyzed and can be revived with prompt first aid measures. Immediate attention should be directed to those who may appear to be dead. Individuals who are stunned or dazed but moving about can usually recover alone but will require

examination by medical personnel as soon as possible. Those whose breathing and/or heartbeat has stopped need immediate attention. Brain damage can occur in as little as four minutes. Should such a casualty occur, a qualified person should begin artificial respiration and cardiopulmonary resuscitation, treat for shock, and evacuate to the nearest hospital emergency room.

3-4. Range communications.

a. A permanently buried telephone cable is in service downrange and provides Class "C" telephone service to ranges 2, 3, 4, 5, 6, 8, 9, 10, and 13. Class "C" telephones are also located at the Leadership Reaction Course, Rappel Tower, and NBC Chamber. Telephone extensions are listed in each facility or range description. There are no other land line drops available to range or training area users.

b. A commercial LMR Radio System is available for issue from Range Operations. The system is capable of communicating on the Range Operations-safety nets. These radios are preset to Channel 1, zone A, and issued to units conducting live fire exercises or using a training facility.

c. All live fire training exercises require two means of communication with Range Operations. Units using ranges provided with permanent land lines will supplement this means of communication through the use of commercial portable radios issued by Range Operations.

d. All units conducting live fire exercises or using a training facility will conduct a communications check on their primary means of communication every 30 minutes from the time the unit requests a "HOT" time. Changes to this procedure may be directed by Range Operations.

e. The selection of retransmission or relay sites must be accomplished so that they are not located in range safety fans or where they are disruptive to effective use of training areas.

f. Radio Safety nets controlled and operated by Range Operations will not be used for transmission of unit administrative messages. The senior headquarters of units in training must establish an internal admin net to handle personnel actions and logistical coordination.

g. When it is necessary to leave guard personnel on sensitive items (ammunition, weapons, vehicles, or other equipment), the unit will establish communications with the necessary agencies to deal with security and emergencies that might arise.

h. Any communications cables or wires that are used for internal communications must be policed before the unit is authorized to clear a training location.

i. Communications cables or wires will not be strung across main maneuver trails or hardball roadways.

3-5. Duds, misfires, and malfunctions.

a. Prior to the operation of any live-fire range, the OIC and RSO (if required) will ensure that all individuals are familiar with safety procedures associated with the discovery of UXOs; the characteristics of the weapon or weapons-system to be used; type of ammunition to be employed; proper handling and storage procedures; and weapon and ammunition malfunction and misfire procedures.

b. Units will immediately notify Range Operations of the exact location and circumstances of any dud, misfire, or malfunction incident. All such incidents will be handled by the using unit IAW the appropriate procedures in this regulation and the applicable AR, FM, or TM. Range Operations will determine if training will continue or cease and will conduct any necessary coordination with other agencies on this installation.

c. If any UXO is discovered, the discovery will be reported to Range Operations immediately. This report will include the exact location of the object, description, and circumstances surrounding the discovery, including the rank, name, unit, and telephone number of the individual finding it. Under no circumstances will the item be handled, moved, or disturbed in any way. An area not closer than 10 meters to the object will be marked off, preferably with a strip of high visibility material (such as engineer's tape if available), to indicate the object's location. The discovering individual will remain on site or readily available to guide Range Operations personnel to the object if necessary.

d. Incidents requiring support from other on- or off-post agencies, including the Military Police, Operations Center, Ammunition Supply Point, or Quality Assurance Specialist Ammunition Surveillance, or Range Safety, will be coordinated by or through Range Operations.

e. Ammunition misfires or malfunctions will be handled according to subparagraph 3-3 (10).

3-6. Accident or incident reporting.

a. Accidents or incidents involving weapons, ammunition, explosives, or pyrotechnics, which result in death or injury to personnel or damage to equipment, will cause a cessation of all firing or training activity. Range Operations will be notified immediately with the details of the accident or incident. The first priority is to obtain medical support on or off site for personnel sustaining injury. Weapons, ammunition firing data, and material related to the accident are to be left in place. Ordnance and/or surveillance personnel, the Range Safety Specialist, and the Range Officer will be contacted by Range Operations to conduct appropriate investigations.

b. In the event of an accident or incident not causing death or injury to personnel or substantial damage to equipment, Range Operations will be notified immediately. The Range Officer will assess the impact on training, determine if training is to continue, and notify appropriate personnel to conduct necessary investigations.

c. Accidents are to be reported IAW AR 385-10 on DA Form 285 (US Army Accident Report). Essential elements of information include—

- (1) Time, date, and place of accident.
- (2) Name, rank, and unit of injured.
- (3) Cause of accident.
- (4) Nature of injury or injuries.
- (5) Was the injured person evacuated to the hospital? If so, at what time, and to what facility?
- (6) Person submitting report (name, rank, duty position, unit, and telephone number).

d. Units will not be relieved of responsibility for the particular range, training facility, or training area until Range Operations has received a copy of the Incident Report. The unit is responsible for ensuring that any other agencies requiring the report receive it. Units must have the initial report completed and provided to the Training Division prior to 1600 on the day following the incident/accident.

e. If the unit is not capable of meeting the suspense in subparagraph 3-6d above, the unit must provide a valid reason to the Range Officer (Commander's Inquiry, AR 15-6 Investigation, etc.) as to why the report is being delayed. Based on the reason for the delay, a determination will be made for allowing the unit to clear the range, facility, or area.

f. Any accidents or incidents involving motor vehicles, Range Operations must also notify the Military Police.

3-7. Range fires.

a. Any fire reported in the small arms impact area will cause all live fire ranges to cease fire. Range Operations personnel will issue each "HOT" live fire range a "COLD" time when the fire is reported. All live fire ranges will remain in a "COLD" status until Range Operations issues a new "HOT" time. No live fire range will be given a "HOT" time until all personnel involved in evaluating or fighting the fire have returned from down range and have been accounted for.

b. If a fire starts in a training area or in the vicinity of a training facility, an immediate halt of all training activities will occur, and the unit will remain in a "COLD" status until Range Operations issues a new "HOT" time.

c. The using unit of any live fire range, training area, or training facility will immediately notify Range Operations, via the quickest means available, of any fire observed, regardless of the size or cause. This report will include the exact location, the cause, approximate size, and immediate action taken to suppress the fire (per unit fire suppression plan or as directed during initial Range Operations briefing).

d. Range Operations will notify the Fire Department Dispatch, who will determine the subsequent action. Once on site, the senior Fire Department official assumes command and control of the fire site and firefighting operations. Designated Range Operations personnel will occupy locations at the fire scene as requested by the Fort Huachuca Incident Commander to provide assistance as necessary.

e. The Fire Department will coordinate with Range Operations personnel to determine whether to allow the unit to continue to train while monitoring whether the severity of the fire; or cause training to cease to fight the fire. In either event, the unit will remain in a "COLD" status until Range Operations gives permission to resume training/go "HOT" again.

f. Except for initial attempts to extinguish a fire, unit personnel will not be employed as firefighters.

g. Coordination between the Training Division and the Fire Department will determine the safest method of containing and fighting any fire on the Range Complex. No one will enter these areas unless directed to do so by Range Operations or the Fire Department.

h. If a fire is started in the East Range Impact Area (Training Area Z) the unit may continue training and immediately notify Range Operations of the exact location and approximate size of the fire. Range Operations will notify the Fire Department who will dispatch a unit to evaluate and monitor the fire. Additional decisions and directions will be provided by the Fire Department and Training Division as deemed necessary.

3-8. Airlift or airdrop operations.

a. The use of facilities and areas for airlift or airdrop operations must be requested IAW this regulation. Airlift and airdrop operations include the use of Hubbard Tactical Airstrip for air landings or airdrops and designated parachute and cargo drop zones. The scheduled use of these areas will only be allowed if a Drop Zone Safety Officer (DZSO) and a Malfunction Officer (MO) for personnel, CDS bundle, and heavy equipment drops. For use of the tactical airstrip located on Hubbard an U.S. Air Force CCT is required. Procedures for airdrops and appointments are IAW FM 3-21.220 and

AR 59-4. DZSO, CCT, and MO must attend the Range Safety Briefing prior to the execution of any training on the Range Complex.

b. Personnel, CDS, and Heavy Equipment Drops:

(1) The DZSO is responsible for:

(a) Advance face-to-face coordination with Range Operations to ensure safe operation of aircraft with respect to other activities. Routes, altitudes, times, radio frequencies, and specific activities are to be provided to Range Operation.

(b) Maintaining communications with Range Operations for the purpose of coordinating entry and exit of the area and ensuring safety.

(c) Clearing the drop zone of personnel and equipment in coordination with ground safety personnel from the using unit.

(d) Ensuring a NOTAM has been processed for the event with Libby Airfield Base Operations, 520-538-2860. The ground times scheduled in RFMSS for the DZ must be sixty (60) minutes prior to the first time on target, so proper wind readings can be taken, before personnel or bundles are allowed to drop.

(2) The MO is responsible for:

(a) Being present on the DZ during all personnel and equipment drops.

(b) Must be knowledgeable and certified IAW AR 59-4.

(c) Maintain constant communications with the DZ control party.

(d) Having the ability to provide photographic and video evidence of all malfunctions.

(e) The forms and clerical supplies necessary to tag equipment and initiate reports.

(f) Having binoculars or night vision devices (NVD). If NVDs are required they will be provided to the MO by the DZ control party.

(g) Possessing an approved wind meter.

(h) Having vehicular support to move around the DZ.

(3) Ground safety personnel from the using unit will:

(a) Establish and maintain communications with Range Operations.

(b) Coordinate with the DZSO to ensure that equipment and personnel are clear of the drop zone.

(c) Ensure that the using unit has coordinated for or requested medical personnel, equipment, and vehicles; and that they are on-site at the drop zone prior to the start of any exercise.

c. Hubbard Tactical Airstrip:

(1) The Combat Controller Team is responsible for:

(a) Advance face-to-face coordination with Range Operations to ensure safe operation of aircraft with respect to other activities. Routes, altitudes, times, radio frequencies, and specific activities are to be provided to Range Operation.

(b) Maintaining communications with Range Operations for the purpose of coordinating entry and exit of the area and ensuring safety.

(c) Clearing the airstrip of personnel and equipment in coordination with ground safety personnel from the using unit.

(d) Ground safety personnel from the using unit will:

1. Establish and maintain communications with Range Operations.

2. Coordinate with the CCT to ensure that equipment and personnel are clear of the drop zone.

3. Ensure that the using unit has coordinated for or requested medical personnel, equipment, and vehicles; and that they are on-site at the drop zone prior to the start of any exercise.

3-9. Non-standard events on the Range Complex

a. The nature of military training is an ever evolving entity and events must sometimes be created to fill a training requirement. The following will detail the steps using units must take to submit a non-standard event to the Training Division for approval.

b. For any non-standard event submission it is recommended to first contact the Range Officer at (520) 533-7095 or the Range Safety Specialist at (520) 533-7311/8373 prior to the submission of any paperwork. A decision will be made as to the possibility of conducting this type of training event here on Fort Huachuca.

c. All non-standard events must be submitted to the Range Officer NLT 30 calendar days out from the training event. Any submission of a packet does not guarantee an

event will take place or be scheduled. Once the packet has been submitted it will be evaluated for the feasibility of being conducted here on Fort Huachuca and what days the using unit can schedule the event in RFMSS. Units must be flexible, there will be times when due to the magnitude of a training event, units already scheduled for ranges may be affected.

d. The packet submitted to the Range Officer will include:

(1) A narrative describing the sequence of events from start to finish will be submitted. This section will include all weapon systems and ammunition types being utilized and how they work into each phase of the operation.

(2) A scheme of maneuver sketch, one for each phase of the operation. This section is a graphically representation of the operation. If the using unit is unsure of a proper location for the event, a tentative plan will be sufficient.

(3) Fire Control Measures, which detail additional safety measures that will be adhered to for the event.

(4) A Deliberate Risk Assessment Worksheet signed by the appropriate approval authority.

(5) If demolitions are to be utilized a DA Form 2203 must be filled out showing the net explosive weight (NEW) of each shot to be fired.

(6) When utilizing indirect fires, a Tabular Firing Table for the charge being fired must accompany the packet. Indirect fires will immediately be disapproved without the submission of this document.

(7) Utilizing military aircraft will require a map depicting flight routes in to and out of objective areas, along with loitering area if aircraft remain on station during the mission. C2 aircraft will also be identified, along with altitudes.

e. Once the feasibility of the event, a location, and suitable timeframe have been determined for the training event, the Range Officer/ Range Safety Specialist will coordinate with the using unit to:

f. Schedule the event in RFMSS at the predetermined dates and times.

g. Complete a Fire Plan, if needed, and submit it to the Range Safety Specialist.

h. The Range Safety Specialist will construct surface danger zones (SDZ) or standoff distances, if needed, for the event, based on the units plan.

i. Will determine locations of road guards or additional barricades, if needed.

- j. Direct the using unit to contact Range Operations for any special targetry needs.
- k. If military aircraft are involved an additional face to face may be required with the Pilot in Charge of the flight based on the hazards that may be present on the Range Complex during the timeframe of the event. Using unit may also be required to coordinate with Libby AAF.
- l. Once the packet has been compiled the using unit will schedule a time to conduct a range walk with the Range Safety Specialist and the Range Officer, briefing the entire plan from first round to ENDEX.
- m. All OICs (E-7 or above for maneuver LFX) will attend the range walk.
- n. If an OIC fails to attend the range walk they will not be authorized to be OIC for the event.
- o. During the walk, the OICs will brief azimuths that weapon systems will fire on, from what location, and where other maneuvering personnel are at, during each phase of the operation.
- p. When all requirements have been satisfied the using unit will execute the range as any other live fire range on the Fort Huachuca Range Complex, except only the OICs that attended the range walk will be authorized to sign for and run the range or facility.
- q. Units who receive an approved non-standard training packet are not authorized to change any aspect of the plan without re-submitting the document for approval from the Training Division.

3-10. Use of pyrotechnics on the Range Complex

- a. All use of pyrotechnics or tracers on the Range Complex must be specifically requested and identified on the RFMSS request at the time of scheduling.
- b. Once the event has been scheduled a Fire Plan must be submitted to the Range Safety Specialist NLT 14 days prior to the first day of training. The Fire Plan must include an itinerary of detonation dates and times throughout the entire exercise and map showing all detonation points. A range overview will suffice for tracer use on a particular range.
- c. Approval for use will be on a case by case basis and is subject to cancellation at any time by the Range Safety Specialist, the Installation Fire Chief, or their authorized representatives.
- d. A range walk of the area where the training is going to be conducted may be required, as determined by the Range Safety Specialist or Installation Fire Prevention.

e. A copy of the approved Fire Plan must be presented to the ASP prior to drawing any pyrotechnic, smoke grenades, or tracers.

f. Ground pyrotechnics such as artillery and grenade simulators will be detonated in a sandbag enclosure. The sandbag enclosure must be at a minimum of four sandbags high and 3 feet wide.

g. Fabricated barrels may be used for detonation of smoke grenades only and may be signed for from Range Operations.

h. Hand launched pyrotechnics such as star clusters or star parachutes will be employed as to ensure that the flare achieves the maximum altitude as possible to allow burnout prior to impacting on the ground. The drift of the flare will not exceed 100 meters from the point of initiation. Uses of these items are very rare, and their use will not be guaranteed, even with mitigation.

i. As part of the Fire Plan submitted to the Range Safety Specialist , a detailed list of fire suppression efforts that will be taken in the event that a fire is started, such as:

(1) Name and grade of the individual who will be responsible for the use of the pyrotechnics or flame producing devices. Only personnel who have attended the Range Safety Briefing will be authorized to employ pyrotechnics or smoke once the Fire Plan has been approved.

(2) Two forms of communications will be required for the training event, in order to notify Range Operations and the Fire Department in the event of a fire.

(3) Must state that engineer tools (shovel, rakes, ETC.) will be on hand to attempt to extinguish any fire caused by the training event.

(4) A minimum of 20 gallons of water will be available.

(5) If utilizing hand launched flares you must state that any winds in excess of 25 knots will cause all training with the flares to cease, until at such a time the winds have calmed down.

j. This will also cover the small arms gunfire simulators or SAGS and the artillery simulators provided to training units by the Training Support Center (TSC). The using unit must submit a Fire Plan prior to utilizing these items on the Range Complex. The TSC will not issue out the items unless this document has been completed. Anyone listed on the document as being the Soldier in charge of firing the device must have attended and been certified by the TSC sponsored course on the handling and use of these items.

k. The OIC will contact the Fire Department NLT 0800hrs daily to obtain a weather report. They will also contact the Fire Department NLT 2 hours prior to utilizing the

FH Reg 385-8

pyrotechnics to obtain a GO/NO GO status for use. Contact numbers are: Fire Dispatch at 533-2116/5059 or the Fire Prevention Office at 533-5054/7009.

I. Failure to comply with this regulation or failing to turn in the required documentation will result in cancellation of the units training event or decertification of the OIC and RSO. Additionally the unit conducting training may be held liable for costs incurred in firefighting activities if mitigation efforts are not adhered to or disregarded.

Appendix A

Section I Required Publications

AR 15-6

Procedures for Investigating Officers and Boards of Officers

AR 59-4

Joint Airdrop Inspection, Records, Malfunction/ Incidents Investigations, and Activity Reporting

AR 75-1

Malfunctions Involving Ammunition and Explosives

AR 350-19

Sustainable Range Program

AR 385-10

The Army Safety Program

AR 385-63

Range Safety

AR 405-10

Acquisition of Real Property and Interest Therein

DA PAM 385-63

Range Safety

DA PAM 385-64

Ammunition and Explosive Safety Standards

FH Reg 190-5

Motor Vehicle Traffic Code

FH Reg 420-12

Acquisition and Use of Miscellaneous and Off-Post Interest in Real Estate

FH Reg 725-3

Ammunition and Explosives

FH Supplement 1 to AR 420-74

Natural Resources, Land, and Wildlife Management

FH Reg 385-8

FM 10-69

Petroleum Supply Point Equipment and Operations

FM 3-23.30

Grenades and Pyrotechnic Signals

FM 3-21.220

Static Line Parachuting Techniques and Training

TC 25-1

Training Land

TC 25-8

Training Ranges

TM 9-1300-206

Ammunition and Explosives Standards

TM 9-1300-203

Artillery Ammunition for Guns, Howitzers, Mortars, and Recoilless Rifles

TM 10-4500-200-13

Operator's, Organizational, and Direct Support Maintenance Manual

MIL-HDBK-828B

Range Laser Safety

ATP 5-19

Risk Management

TC 21-24

Rappelling

TC 3-22.20

Army Physical Readiness Training

TC 3-97.61

Military Mountaineering

Section II

Related Publications

AR 5-13

Training Ammunition Management System

AR 40-5

Preventive Medicine

AR 40-46

Control of Health Hazards from Lasers and other high Intensity Optical Sources

AR 350-1

Army Training

DA PAM 350-38

Standards In Weapons Training

FM 3-34.214

Explosives and Demolitions

FM 3-22.9

Rifle Marksmanship M16/ M4-Series Weapons

FM 3-23.25

Shoulder Launched Munitions

FM 3-22.68

Crew-Served Machine Guns 5.56mm and 7.62mm

FM 3-22.27

MK 19, 40-mm Grenade Machine Gun, MOD 3

FM 3-22.31

40mm Grenade Launchers M203, M320

Section III

Referenced Forms

DA Form 285

U.S. Army Accident Report

DA Form 2028

Recommended Changes to Publications and Blank Forms

Appendix B

B-1. General Training Facility and Range Information.

a. The direct firing ranges at Fort Huachuca are primarily located south of the cantonment area, on the South Range. The South Range consists of approximately 21,000 acres, including most of the Huachuca Mountains. It contains 9 training areas comprising approximately 12,000 acres with 10 live fire ranges. The remaining 9,000 acres are established as impact areas for the various ranges.

(1) The South Range consists of the following training areas and facilities--

- (a) Training areas O through Q, and T through Y.
- (b) Rappelling Tower.
- (c) Rappelling Cliffs.
- (d) C-140 (C-141) Aircraft Training Mock-up.
- (e) Rope Bridge Training Site.
- (f) Land Navigation Course, Training Area U and Tinker
- (g) Leadership Reaction Course.
- (h) Urban Operations Site
- (i) Battle Lab
- (j) Site Papa
- (k) Site Uniform

(2) The designated Live Fire Ranges on the South Range consist of the following--

<u>RANGE</u>	<u>CAPABILITY</u>
2	M-16 Marksmanship Zero Range/ Alt-C Qualification
3	Multipurpose Small Arms Range
4	Combat Pistol Qualification Course
5	Practice Hand Grenade/Grenade Assault Course/ Combat Casualty Care Course Complex
6	Known Distance (KD) Range
8	Modified Record Fire Range
9	Multipurpose Machine Gun, Mk-19 GMG, and Crew Served Weapon Familiarization Range

- | | |
|----|---|
| 10 | 40mm Grenade Launcher and .50 caliber HMG Familiarization Range (TP Round only) |
| 11 | Infantry Maneuver Range |
| 13 | Standard M-16/ M4 Marksmanship Qualification and Zero Range |

b. The West Range is located to the west of the cantonment area and consists of approximately 18,000 acres. It contains 10 training areas. Live fire is not allowed on the West Range. This area is used primarily for mounted and dismounted maneuver and tactics training.

(3) The following training areas and facilities are located on the West Range--

(a) Training Areas G through N, R, and S.

(b) Land Navigation Course, Training Area M.

(c) Helicopter Landing Areas for emergency operations. These sites are located at grid coordinates: WV55248724, WV58159250, WV53369548, and WV58159250.

(d) Demonstration Hill, grid coordinates: WV58229253 may be used to conduct various types of demonstrations.

(e) Site Maverick is located at grid coordinate: WV55709276.

c. The East Range consists of approximately 28,500 acres and is the largest range area on Fort Huachuca. The East Range is located directly north of Sierra Vista and is physically separated from the remainder of the installation by Arizona State Highway 90. The East Range is primarily used for Research and Development Testing and non-standard training events involving high explosive projectiles. Designated training areas are available for bivouac and maneuver training. The East Range consists of six training areas, a high hazard HE impact area, four drop zones, and a tactical assault landing strip.

(1) The following training areas and facilities/sites are located on the East Range:

(a) Training Areas A through F.

(b) High Hazard HE Impact Area Training Area Z.

(c) Hubbard Assault Airstrip.

(d) HUMOR, HUBBARD, HAVOC, HYENA DUST DEVIL and TOMBSTONE Drop Zones.

(e) Convoy Live Fire Range.

(f) Urban Operations Site East.

(g) UAS Laser Area.

(h) Range 18, Elevated Sniper Range.

(i) Weapons Intelligence Training 1 & 2 (Demolition Ranges)

B-2 Training facility descriptions.

a. Rappel Tower.

(1) Description: Two-level tower platform used for rappelling practice.

(2) Location: South Range, grid coordinates: WV62868994.

(3) Personnel Requirements:

(a) Rappel Safety Officer (E-7 or above): Must be trained on applicable rappel master tasks and be a graduate from one of the following courses: Rappel Master Course; Air Assault Course, Ranger Course, or Basic Military Mountaineering. Must be certified by the Commander to perform these duties.

(b) Rappel Master: If the Rappel Safety Officer is not a certified Rappel Master an additional personnel requirement to be on site during training is required. Rappel Master Qualification will be IAW TC 21-24. Must be certified by the Commander to perform these duties. Rappel Masters have to have performed duties as a Rappel Master in a tactical or training environment in order to stay current every six months. If the Rappel Master Certification lapses they must attend a refresher course taught by a current Rappel Master.

(c) Rappel Lane NCO (CPL or above): Must be trained in the safe and proper execution of rappelling operations. Each tower rappel lane must have a qualified rappel lane NCO to supervise lane operations. Must have performed duties within the last 6 months or must be retrained by the Rappel Master IAW TC 21-24.

(d) Belay Safety (CPL or above): Belay safeties will be either Ranger or Air Assault qualified. One Belay Safety will cover down on two rappel stations.

(4) Safety requirements:

(a) Prior to the start of training, the Rappel Safety Officer will inspect all ladders, steps, railings, attachment points, and descent surfaces to determine their serviceability.

(b) Unserviceable or questionable points will not be used. Deficiencies will be reported to Range Operations prior to the start of training.

(c) All equipment will be inspected by the Rappel Safety Officer prior to use.

(d) All personnel will be given a safety briefing and rappelling instructions prior to using the tower.

b. Rappelling Cliffs.

(1) Description: Cliffs located in Garden Canyon which vary in height from approximately 70 to 100 feet.

(2) Location: South Range, grid coordinates: WV60008040.

(3) Personnel Requirements: (All personnel listed, their duties are shown in TC 21-24).

(a) Mountaineering Safety Officer (MSO) (E-7 or above) must be one of the following: Ranger qualified, a graduate of Basic Military Mountaineering Course (Level I Mountaineer), Assault Climber Course (Level II Mountaineer); or is extensively trained in ground rappelling. Must be appointed by the Commander.

(b) Rappel Point Commander (RPC) (E-5 or above) is a Ranger qualified NCO. The RPC qualifications must include graduation from Basic Military Mountaineering (Level I Mountaineer) and Assault Climber Course (Level II Mountaineer).

(c) Rappel Lane NCO (E-5 or above).

(4) Safety requirements:

(a) Prior to the start of training, the MSO will inspect all attachment points and decent points to determine their serviceability.

(b) Unserviceable or questionable points will not be used; deficiencies will be reported to Range Operations.

(c) All equipment to be used must be inspected by the MSO prior to use.

(d) All personnel will be given a safety briefing and rappelling instructions prior to use of the cliffs.

(e) Medical support to include medical personnel and means to transport injured personnel is required to be on site at the cliffs prior to the start of training. Coordination for medical support is the unit's responsibility.

(5) Sustainment Training: Before conducting ground rappelling, the unit or element conducts sustainment training which should include the following:

(a) Review the construction of a rappel seat, seats to be used, and hook up procedures.

(b) Conduct a minimum of one rappel on the 34-foot tower wall (20 foot tower is acceptable) under the same conditions as ground rappelling.

NOTE: The rappel tower has a lack of a free rappel portion and units are unable to demonstrate the ability to conduct a lock-in during one of the rappels from the free side of the tower, therefore unit commanders who still desire to conduct this training must do so by waiving the sustainment training requirement, and will assume all responsibility of their training units.

c. Aircraft mock-up:

(1) Description: Concrete platform depicting C-140 (C-141) aircraft cargo bay.

(2) Location: South Range, grid coordinates: WV63228989.

(3) Personnel Requirements: Unit Movement Officer (E-5 or above).

(4) Safety requirement: The facility will only be used to simulate loading of vehicles on an aircraft.

d. Rope bridge construction site.

(1) Description: Open area with four upright telephone pole tops, approximately 4 feet high.

(2) Location: South Range, grid coordinate: WV63208986.

(3) Personnel Requirements: OIC (E-6 or above).

(4) Safety requirements:

(a) The OIC must be knowledgeable of the procedures for rope-bridge building.

(b) The training site will be used for intended purpose only.

e. NBC Mask Confidence Chamber.

(1) Description: Metal building suitable for use of riot control agent CS.

(2) Location: Building 78906.

(3) Personnel Requirements:

(a) OIC (E-6 or above) School trained or MOS qualified, appointed by the Commander.

(b) RSO (E-5 or above) School trained or MOS qualified, appointed by the Commander.

(4) Safety requirements:

(d) Only approved training agents (CS) will be used.

(e) Using unit is responsible for supplying required CS.

(f) Units must refer to the local SOP and the DA Pam 385-63 for the use of CS inside of the CBRN chamber.

f. Leadership Reaction Course.

(1) Description: Eight stations, each depicting a situation which requires the negotiation of obstacles by an expedient means.

(2) Location: South Range, grid coordinates: WV64888470.

(3) Personnel Requirements:

(a) OIC (E-6 or above)

(b) RSO (E-5 or above)

(c) One additional safety personnel located at each training station.

(4) Safety requirements:

(a) Personnel will not be allowed to attempt any obviously hazardous or unsafe acts during training.

(b) Horseplay is strictly forbidden.

(c) All ropes, boards, equipment, and each event station will be inspected by the OIC or RSO prior to the start of training. Any substandard equipment or stations will not be utilized and reported to Range Operations.

(d) The safety personnel will position themselves at the best position to assist all personnel negotiating the obstacles.

(e) The OIC will ascertain the swimming status of all training personnel, all weak swimmers will be assigned some form of assistance.

g. Urban Operations Site (UOS)

(1) Description: Military Operations on Urban Terrain (MOUT) container village

(2) Location: South Range, grid coordinates: WV 63988 87659

(3) Personnel Requirements:

(a) OIC (E-6 or above)

(b) RSO (E-5 or above)

(4) Safety requirements:

(a) Care should be taken due to possibility of wildlife and excessive animal fecal matter in the area of the village.

(b) A lightning protection shelter is provided for additional protection.

h. Battle Lab

(1) Description: Military Operations on Urban Terrain (MOUT) village with various types of buildings ranging from mud built to concrete block.

(2) Location: South Range, grid coordinates: WV 67094 85018

(3) Personnel Requirements:

(a) OIC (E-6 or above)

(b) RSO (E-5 or above)

(4) Safety requirements: Care should be taken due to possibility of wildlife and excessive animal fecal matter in and around the buildings.

i. Obstacle Course.

(1) Description: Clover shaped with 17 obstacles. This course can be a test of the Soldier's basic motor-skills and physical conditioning. After Soldiers receive instructions and practice their skills, they may negotiate the course against time; this however is under the discretion of the OIC. Obstacles are negotiated in accordance with TC 3-22.20.

(2) Location: Apache Flats Training Area.

(3) Personnel Requirements:

(a) OIC (E-6 or above).

(b) RSO (E-5 or above).

(c) One safety assigned per obstacle utilized.

(4) Safety Requirements:

(a) Soldiers must do warm-up exercises before they begin the course.

(b) Instructors must explain and demonstrate to the Soldiers the correct method of negotiating each obstacle prior to the start of training.

(c) The OIC and RSO will conduct a walkthrough of the facility prior to any Soldiers being authorized to train, ensuring all obstacles are serviceable. Any unserviceable items will not be utilized and all Soldiers will be briefed not to use it.

j. Confidence Course.

(1) Description: Clover shaped with four groups (Red, White, Blue, and Black) of higher and more difficult obstacles (total of 24 obstacles) than the Obstacle Course. Designed to give Soldiers confidence in their mental and physical abilities and cultivate their spirit of daring. Soldiers are encouraged to negotiate the course, but will not be forced to participate. Obstacles will be negotiated in accordance with TC 3-22.20.

(2) Location: Apache Flats Training Area.

(3) Personnel Requirements:

(a) OIC (E-6 or above)

(b) RSO (E-5 or above)

(c) One safety assigned per obstacle utilized or as denoted by the obstacle chart.

(4) Safety Requirements:

(a) Soldiers must have attained an adequate level of conditioning before they negotiate the confidence course.

(b) Soldiers who have not practiced the basic skills of negotiating the Obstacle Course should not be allowed to use or participate in the Confidence Course.

(c) Soldiers should negotiate obstacles in groups no larger than 8 to 12 Soldiers.

(d) Supervisors should encourage, but not force, soldiers to attempt all obstacles.

(e) Other safety personnel may be posted as directed by Range Operations personnel conducting the course pre-inspection. The OIC may however place as many additional safety personnel that they deem necessary in order to safely negotiate each obstacle.

(f) Neither this course nor any of the individual obstacles will be negotiated for speed or time.

(g) Mats will be placed on or under various obstacles as directed by Range Operations, TC 3-22.20, & under the OICs discretion.

(h) Obstacles will be negotiated in accordance with TC 3-22.20.

k. Uniform Land Navigation Course.

(1) Description: This course consists of 44 surveyed concrete points with ASA markers. There is heavy vegetation and much of the course is sloped. Legs of the course are short.

(2) Location: South Range, Training Area "U."

(3) Personnel Requirements: OIC (E-6 or above).

(4) Safety requirements:

(a) Soldiers must be thoroughly briefed on the course boundaries, environmental considerations, and wildlife dangers.

(b) During rainy weather, a stream will have to be negotiated.

(c) All personnel using the course must carry water and be briefed on the signs of hot weather injuries.

(d) All Soldiers will be briefed on a panic azimuth to reach a safe area in the event they become lost.

I. Tinker Land Navigation Course.

(1) Description: This course consists of 36 surveyed concrete points with ASA markers. There is a moderate amount of vegetation and concentrations of cactus on this course, which has long legs over rugged terrain.

(2) Location: South Range, Training Area "U."

(3) Personnel Requirements: OIC (E-6 or above).

(4) Safety requirements

(a) Soldiers must be thoroughly briefed on the course boundaries, environmental considerations, and wildlife dangers.

(b) All personnel utilizing the course must carry water and be briefed on the signs of hot weather injuries.

(c) All Soldiers will be briefed on a panic azimuth to reach a safe area in the event they become lost.

m. Mike Land Navigation Course.

(1) Description: This course consists of 58 surveyed concrete points with ASA markers. There is a moderate amount of vegetation and concentrations of cactus on this course, which has long legs over rugged terrain.

(2) Location: West Range, Training Area "M."

(3) Personnel Requirements: OIC (E-6 or above).

(4) Safety requirements

(a) Soldiers must be thoroughly briefed on the course boundaries, environmental considerations, and wildlife dangers.

(b) All personnel utilizing the course must carry water and be briefed on the signs of hot weather injuries.

(c) All Soldiers will be briefed on a panic azimuth to reach a safe area in the event they become lost.

n. HUMOR Drop Zone.

(1) Dimensions: 825 meters x 1660 meters.

(2) Location: East Range, grid coordinate: WA69850289.

(3) Personnel Requirements:

(a) DZSO:

a) USA and USN: (E-5 or above)

b) USAF and USMC: (E-4 or above)

(b) Malfunction Officer (E-5 or above).

(4) Safety requirements:

(a) Subsequent to approval by Range Operations of land space use, air space requirements must be requested through the Air Space Management Office, Libby Army Airfield.

(b) The DZSO and MO must be at the drop site, as well as Ground Safety personnel from the training unit prior to scheduled activity.

(c) Medical support (ambulance and personnel) must be on site prior to the training activity.

(d) Actions detailed in chapter 3, paragraph 3-8, of this regulation, must be accomplished and strictly adhered to.

(e) DZSO duties are outlined in FM 3-21.220 and MO duties are listed in AR 59-4.

(f) The DZ must have a current survey. Any outdated surveys will not be jumped.

(g) A hard copy of the approved NOTAM will be on site for all drops.

o. HUBBARD Assault Airstrip and Drop Zone.

(1) Description: A dirt assault strip/landing zone, surveyed and approved by the U.S. Air Force, which can accommodate C-130/ C17 aircraft.

- (2) Dimensions: Drop Zone - 675 meters x 1600 meters.
Airstrip - 3696 feet x 60 feet.
- (3) Location: East Range, Grid Coordinate: WA67650088.
- (4) Personnel Requirements:
 - (a) For Assault Strip Landings:
USAF CCT (E-6 or above).
 - (b) For Personnel, CDS bundles, and Heavy drops:
 - a) DZSO/ CCT (E-4 or above, Service Dependant)
 - b) Malfunction Officer (E-5 or above)
- (5) Safety requirements:
 - (a) Subsequent to approval by Range Operations of land space use, air space requirements must be requested through the Air Space Management Office, Libby Army Airfield.
 - (b) The CCT/ DZSO must be at the drop site, as well as Ground Safety personnel from the training unit, prior to scheduled activity.
 - (c) Medical support (ambulance and personnel) must be on-site prior to the start of the training activity.
 - (d) Additionally, for airstrip operations, a crash vehicle must be on site prior to use. Actions detailed in chapter 3, paragraph 3-8 of this regulation must be accomplished and strictly adhered to.
 - (e) Primary scheduling of this facility is given to the USAF up to 21 calendar days out from the event.
 - (f) For US Army use of the DZ personnel requirements will be IAW FM 3-21.220 and AR 59-4.
 - (g) The DZ must have a current survey. Any outdated surveys will not be jumped.
 - (h) A hard copy of the approved NOTAM will be on site for all drops.
- p. HAVOC Drop Zone.

- (1) Dimensions: 850 meters x 1700 meters.
 - (2) Location: East Range, grid coordinate: WA65859929.
 - (3) Personnel Requirements:
 - (a) DZSO:
 - USA and USN: (E-5 or above)
 - USAF and USMC: (E-4 or above).
 - (b) Malfunction Officer (E-5 or above).
 - (4) Safety requirements:
 - (a) Subsequent to approval by Range Operations of land space use, air space requirements must be requested through the Air Space Management Office, Libby Army Airfield.
 - (b) The DZSO, MO, and Ground Safety personnel must be at the drop site prior to start of the scheduled activity.
 - (c) Medical support (ambulance and personnel) must be on-site prior to the training activity.
 - (d) Actions detailed in chapter 3, paragraph 3-8 of this regulation must be accomplished and strictly adhered to.
 - (e) DZSO duties are outlined in FM 3-21.220 and MO duties are listed in AR 59-4.
 - (f) The DZ must have a current survey. Any outdated surveys will not be jumped.
 - (g) A hard copy of the approved NOTAM will be on site for all drops.
- q. HYENA Drop Zone.
- (1) Dimensions: 300 meters x 300 meters.
 - (2) Location: East Range, grid coordinate: WV74409906.
 - (3) Personnel Requirements:

(a) DZSO:

USA and USN: (E-5 or above)

USAF and USMC: (E-4 or above).

(b) Malfunction Officer (E-5 or above).

(4) Safety requirements:

(a) Subsequent to approval by Range Operations of land space use, air space requirements must be requested through the Air Space Management Office, Libby Army Airfield.

(b) The DZSO, MO, and Ground Safety personnel must be at the drop site prior to start of the scheduled activity.

(c) Medical support (ambulance and personnel) must be on-site prior to the training activity.

(d) Actions detailed in chapter 3, paragraph 3-8 of this regulation must be accomplished and strictly adhered to.

(e) DZSO duties are outlined in FM 3-21.220 and MO duties are listed in AR 59-4.

(f) The DZ must have a current survey. Any outdated surveys will not be jumped.

(g) A hard copy of the approved NOTAM will be on site for all drops.

B-3 LIVE FIRE RANGES

1. Range 2.

(1) Description: This is an M-16 Rifle Zero Range primarily used for 25m zeroing. In special situations, this range may be used for M-16/M4 alternate qualification when Range 8, Standard M-16 Qualification Range is non-operational.

(2) Location: South Range, grid coordinate: WV62109021.

(3) Weapons: M-16/M4 Rifle.

(4) Ammunition: 5.56mm Ball.

(5) Personnel Requirements:

- (a) OIC (E-6 or above)
- (b) RSO (E-5 or above)
- (6) Number of Firing Points: Forty (40).
- (7) Targets: 25m zero and Alternate Course C targets.
- (8) Range Flag Requirement: One, west side of Range 2.
- (9) Safety Limits: Must fire at target corresponding to firing point.
- (10) Telephone: Class "C", 533-7279, located in Range Tower.

(11) Road Guards: Road barrier placed on old Range 1 road, with warning signs on the access road.

(12) Power Outlets: 110 volt outlet available.

(13) Buildings: 14448 & 14450

(14) Latrine: Portable.

(15) Field Mess Area: Open area in the vicinity of the Range.

(16) Vehicles: Only ammunition and aid vehicles will be allowed on the Range; all other vehicles will be in the parking lot on the west side of the Range and across the road.

(17) Safety requirements:

(a) Sufficient assistant safety NCOs must be appointed to maintain positive control of firers.

(b) Hearing protection is required for all personnel forward of the Control Tower during live fire.

(c) Personnel are not authorized down range past the last target points.

b. Range 3.

(1) Description: This is a small bore multi-purpose range with target ranges from 10-100m. This range can be configured for Standard Law Enforcement pistol or shotgun qualification and .45 caliber sub-machine gun familiarization. When required, this range can be used in lieu of Range 2 for M-16/ M4 Zero.

- (2) Location: South Range, grid coordinate: WV62669004.
- (3) Weapons: Small bore, rifles, pistols, and shotguns.
- (4) Ammunition: .22, .38, and .45 cal; 9mm; 5.56mm ball; & 7.62mm ball.
- (5) Personnel Requirements:
 - (a) OIC (E-6 or above)
 - (b) RSO (E-5 or above)
- (6) Number of firing points: Fifteen (15).
- (7) Targets: Standard Issue Military Targetry.
- (8) Range flag requirement: One flag on the east side of the range building.
- (9) Safety limits: Must fire at targets corresponding to firing points.
- (10) Telephone: Class "C", 533-7280, located on the covered firing line.
- (11) Range guards: Warning signs placed in access road.
- (12) Power outlets: 110 volts located on the covered firing line.
- (13) Buildings: 14471.
- (14) Latrine: Portable.
- (15) Mess area: None.

(16) Vehicles: Only ammunition and aid vehicles will be in the vicinity of the range, all other vehicles will be across the road, in the Range 3 parking lot.

(17) Safety requirements:

(a) Sufficient assistant safety NCOs must be appointed to maintain positive control of firers.

(b) Hearing protection is required for all personnel who are forward of the restraining cable.

(c) Personnel are not authorized down range past the 100m target points.

c. Range 4.

- (1) Description: Range 4 is Fort Huachuca's only Combat Pistol Qualification Course; the range is also compatible with the use of shotgun and sub-machine guns.
- (2) Location: South Range, grid coordinates: WV63058945.
- (3) Weapons: Pistols, shotgun, and sub-machine gun.
- (4) Ammunition: .22, .38, and .45 cal; 9mm; 12 gauge.
- (5) Personnel Requirements:
 - (a) OIC (E-6 or above)
 - (b) RSO (E-5 or above)
- (6) Number of firing points: – Thirteen (13).
- (7) Targets: Automated targets set from 7 to 31 meters.
- (8) Range flag requirement: One flag at the south end of the range building.
- (9) Safety limits: Must fire at targets corresponding to the firing point or lane.
- (10) Telephone: Class "C", 533-7294, one located on the north side of building 15406; one located in the Control Tower.
- (11) Road guards: Warning signs placed in Garden Canyon Road.
- (12) Power outlets: None.
- (13) Buildings: 15404, 15405, & 15406
- (14) Latrine: Portable.
- (15) Field mess area: On the Range.
- (16) Vehicles: Only ammunition and aid vehicles will be allowed on the Range; all other vehicles will be in the parking lot on the east side of the Range and across the road.
- (17) Safety requirements:
 - (a) Sufficient assistant safety NCOs must be appointed to maintain positive control of the firers.
 - (b) Hearing protection is required for all personnel on the range.

(c) Personnel are not authorized down range past the 31m target points.

(d) Care must be taken while conducting Table V moving out, that shooters do not exceed the range limit markers from all firing positions.

d. Range 5

(1) Description: Range 5 is a hand grenade course for use with dummy hand grenades only and consists of 5 hard targets. The course is approximately 150 meters long with obstacles that must be negotiated to reach the final target.

(2) Location: South Range, grid coordinate: WV63218891.

(3) Ammunition: Dummy grenade body with training fuse.

(4) Targets:

(a) 25 meter wheeled vehicle engagement.

(b) 35 meter enemy personnel.

(c) 20 meter enemy mortar position.

(d) 25 meter trench.

(e) Enemy bunker.

(5) Personnel Requirements:

(a) OIC (E-6 or above)

(b) RSO (E-5 or above)

(6) Power outlets: None.

(7) Latrine: Portable.

(8) Vehicles: Only ammunition and aid vehicles will be allowed on the Range, POV's must park in the designated (gravel) area.

(9) Safety requirements:

(a) Sufficient assistant safety NCOs must be appointed to maintain positive control.

(b) Personnel will not wander down range to the old Range 5 grenade range at any time.

(c) HE munitions will not be utilized on this range.

e. Range 6.

(1) Description: Known distance (KD) range consisting of targets at distances from 100 - 600 - 1000 yards.

(2) Location: South Range, grid coordinate: WV63228783.

(3) Weapons: M4, M16, M14, M21, M24, PAQ-1, PEQ-2, PAQ-4 Lasers.

(4) Ammunition: 7.62mm Special and below.

(5) Personnel Requirements:

(a) OIC (E-6 or above)

(b) RSO (E-5 or above)

(c) Pit NCOIC (E-5 or above)

(6) Number of firing points: Fifty (50)

(7) Targets: Standard A (known distance) through D and National Rifle Association (NRA) approved types.

(8) Range flag requirements: Two range flags are required; one located northeast of the range; and one located northwest of the range.

(9) Safety limits: Personnel must fire at targets corresponding to firing points.

(10) Range 6 is also used as a zero range with thirty (30) firing points.

(11) Telephone: Class "C", 533-7087, located in Building 15343.

(12) Road guards: As directed by Range Operations.

(13) Power outlets: None.

(14) Buildings: 15340.

(15) Latrine: Portable.

(16) Field mess area: On Range.

(17) Vehicles: Vehicles will be parked in an orderly manner behind the firing line being used. No vehicles are permitted in the pit area. All roads must remain clear for emergency vehicle access.

(18) Safety requirements:

(a) The OIC will control the firing line and the Pitt NCOIC will control the pit area.

(b) Sufficient assistant safety NCOs must be appointed to maintain positive control of firers and pit personnel.

(c) Hearing protection is required for all range personnel.

(d) Communications must be maintained between the OIC and Pit NCOIC.

(e) .300 Winchester Magnum and .50 cal sniper ammunition is not authorized for use on this Range.

f. Range 8.

(1) Description: Computer operated and scored modified record fire range with pop-up target distances from 50 - 300 meters. The capability also exists to fire the standard train fire course.

(2) Location: South Range, grid coordinates: WV63288758.

(3) Weapons: M-16/ M4, PAQ-1, PEQ-2, PAQ-4 Lasers

(4) Ammunition: 5.56mm Ball/Tracer.

(5) Personnel Requirements:

(a) OIC (E-6 or above)

(b) RSO (E-5 or above)

(6) Number of Firing Points: Ten (10), with foxholes.

(7) Targets: Pop-up targets located at distances from 50 to 300 meters.

(8) Range Flag Requirement: one, located at entrance to range on Garden Canyon Road.

(9) Safety Limits: Firers must engage targets corresponding to their firing point number. Only targets within the range limit marker panels will be engaged.

(10) Telephone: Class "C", 533-7096, located in Control Tower.

(11) Road Guards: None required.

(12) Power Outlets: 110 volt outlets located in support buildings.

(13) Buildings: 15361, 15362, 15363, 15364, 15365, 15366, and 15367.

(14) Latrine: Building 15364.

(15) Field Mess Area: Building 15367.

(16) Vehicles: Only ammo and aid vehicles allowed on range. There are no facilities for POV parking.

(17) Safety Requirements:

(a) It is recommended that one assistant safety NCO be appointed for every four firing points to maintain positive control of firers.

(b) Hearing protection required by all personnel forward of the Control Tower.

(c) Personnel are not authorized down range past the firing line.

g. Range 9.

(1) Description: This is a multi-purpose range complex with 10 firing positions capable of supporting M-2 .50 cal HB MG, M249 Squad Attack Weapon (SAW), M-240 MG, AT-4 (9mm sub-cal only), and MK 19 (TP ONLY).

(2) Location: South Range, grid coordinate: WV63328723.

(3) Weapons: .50 cal MG, M-240 MG, M249 SAW, MK 19 40mm GMG, and 9mm sub caliber for the AT-4, PAQ-1, PEQ-2, PAQ-4 Lasers.

(4) Ammunition: .50 cal Ball, 7.62mm Ball and Tracer, 40mm TP, 9mm sub caliber.

(5) Personnel Requirements:

(a) OIC (E-7 or above)

(b) RSO (E-6 or above)

- (6) Number of firing points: Three (3)
- (7) Targets: Stationary and as requested.
- (8) Range flag requirements: Two range flags are required, one located northeast of the range; one located northwest of the range.
- (9) Safety limits: Personnel must fire at targets within the impact area marked by range limit panels.
- (10) Telephone: Class "C", 533-7303, located in Building 15353.
- (11) Road guards: None.
- (12) Power outlets: None.
- (13) Buildings: 15353.
- (14) Latrine: Portable.
- (15) Field mess area: Open area in the vicinity of the range.
- (16) Vehicles: Only ammunition and aid vehicles will be allowed on the range. All other vehicles will park northeast of the range.
- (17) Safety requirements:
 - (a) Sufficient assistant safety NCOs must be appointed to maintain positive control of firers.
 - (b) All duds and misfires will be reported to Range Operations immediately.
 - (c) Hearing protection is required for all personnel on the ranges.
 - (d) Fire Department support is required for this range when firing the .50 cal HMG or Mk-19 GMG.

h. Range 10.

- (1) Description: The range hosts a 2 lane .50 cal HB qualification range and handheld grenade launcher range capable of supporting the M-320 and M-203 Grenade Launchers. High explosive ammunition will not be expended on this range.
- (2) Location: South Range, grid coordinate: WV63478707.
- (3) Weapons: M-2 .50 cal, M320, M-203, PAQ-1, PEQ-2, PAQ-4 Lasers

- (4) Ammunition: .50 cal & 40mm practice.
- (5) Personnel Requirements:
 - (a) OIC (E-6 or above)
 - (b) RSO (E-5 or above)
- (6) One safety will be assigned per firing line.
- (7) Number of firing points: Two (2) .50 cal/ Four (4) 40mm
- (8) Targets: Stationary.
- (9) Range flag requirements: One flag at the southeast corner of the safety limit panels.
- (10) Safety limits: Personnel must fire at targets within the safety limit panel.
- (11) Telephone: Class "C", 533-7097, located at the range entrance.
- (12) Road guards: One on the road at the range flag pole.
- (13) Power outlets: None.
- (14) Buildings: 15330
- (15) Latrine: None.
- (16) Field mess area: Open area on the range.
- (17) Vehicles: Only ammunition and aid vehicles will be allowed on the range. All other vehicles must park in the side pull off area.
- (18) Safety requirements
 - (a) All roads must remain unblocked for emergency vehicle access.
 - (b) Hearing protection is required for all personnel on the range forward of the Control Tower.
 - (c) Due to old ammunition usage on this range, users or support staff is not authorized to move down range past the firing line.
 - (d) Fire Department support is required for this range when firing the .50 cal HMG or Mk-19 GMG.

i. Range 11

(1) Description: Infantry Maneuver Range. This range is capable of hosting dismounted non-standard live fire events. Non-standard event procedures will be followed IAW chapter 3 of this regulation. The Infantry maneuver box is approximately 400 meters wide by 700 meters down range. The approved unit plan will dictate where target positions are located. Pyrotechnics may be authorized IAW an approved Fire Plan.

(2) Location: South Range, grid coordinate WV63958560

(3) Weapons: M16/M4, M240, M249 SAW, 9mm, M320/M203.

(4) Ammunition: 5.56mm Ball, 7.62mm Ball, 9mm, & 40mm TP.

(5) Personnel Requirements:

(a) OIC: (E-7 or above)

(b) RSO (E-6 or above)

(c) Qualified Medic

(6) Range Flag requirements: One at the range road entrance to Garden Canyon Road.

(7) Safety Limits: All target engagements will be IAW the approved unit plan and the surface danger zones constructed for the event.

(8) Telephone: None

(9) Road Guards: As directed by the Range Officer.

(10) Power Outlets: None.

(11) Buildings: None.

(12) Latrine: None.

(13) Field Mess Area: Nothing established, open area of the range.

(14) Vehicles: Only military ammunition and aid vehicles will be authorized on the range. All other vehicles must park in the vicinity of the range entrance or at the direction of the Training Division.

(15) Safety Requirements:

- (a) The RSO must remain with the maneuver element at all times.
- (b) Hearing protection is required for all personnel located on the range.
- (c) Strict adherence to the safety measures detailed in the approved non-standard event packet.
- (d) The unit is not authorized to change any aspect of the plan without re-submitting the packet for approval.

j. Range 13.

- (1) Description: M16/ M4 Marksmanship record fire range with pop-up target distances from 50 - 300 meters. The capability also exists to Zero on this range at 25 meter stationary targets.
- (2) Location: South Range, grid coordinates: WV64638517.
- (3) Weapons: M16/ M4.
- (4) Ammunition: 5.56mm Ball/Tracer.
- (5) Personnel Requirements:
 - (a) OIC (E-6 or above)
 - (b) RSO (E-5 or above)
- (c) It is recommended that one Safety will be assigned for each set of four firing points.
- (6) Number of firing points: Sixteen (16), with foxholes.
- (7) Targets: Pop-up targets located at distances from 50 to 300 meters.
- (8) Range flag requirements: Two, one located at the northeast corner of the range and one at southeast corner of the range.
- (9) Safety limits:
 - (a) Firers must engage targets corresponding to their firing point number.
 - (b) Only targets within the range limit marker panels will be engaged.
- (10) Telephone: Class "C," 533-7296, located in Control Tower.

(11) Road guards: None required. Warning signs must be placed in Garden Canyon Road.

(12) Power outlets: None

(13) Buildings: 15371, 15374, and 15375.

(14) Latrine: Portable

(15) Field mess area: Open area on the range.

(16) Vehicles: Only ammunition and aid vehicles allowed on the range. All other vehicles will park in the designated area across Garden Canyon Road.

(17) Safety requirements:

(a) Hearing protection is required by all personnel forward of the Control Tower.

(b) Personnel are not authorized down range past the 25 meter target stands at any time.

k. Range 18

(1) Description: Sniper firing at targets of an unknown distance from a platform of higher elevation looking downward onto the target area.

(2) Location: South Range, grid coordinate: WA 72524 03476.

(3) Weapons: M21/M24, XM 2010, .50 Caliber Sniper Systems.

(4) Ammunition: .50 cal Sniper, 7.62mm Special, & .300 Win Mag.

(5) Personnel Requirements:

(a) OIC (E-6 or above)

(b) RSO (E-5 or above)

(6) Number of firing points: Four (4).

(7) Targets: Unknown distances out to 1650 meters.

(8) Range flag requirements: None, but East range flags must be posted.

(9) Safety limits: Personnel must fire at targets within the impact area marked by range limit panels.

(10) Telephone: None.

(11) Road guards: None.

(12) Power outlets: None.

(13) Buildings: None.

(14) Latrine: None on site.

(15) Vehicles: Only ammunition and aid vehicles will be allowed on the range.

(16) Safety requirements:

(a) The OIC must ensure that each target is engaged within the safety limits for the given target area.

(b) Personnel are not authorized down range forward of the firing line or into Training Area Z at any time.

(c) Barriers must be emplaced prior to the event being conducted.

I. Weapons Intelligence Training (WIT) 1 & 2

(1) Description WIT 1 & 2 are utilized as demolitions ranges.

(2) Location: East Range:

(a) WIT 1: WA 72915 03229

(b) .WIT 2: WV 70378 99323

(3) Weapons: None.

(4) Ammunition: Military Explosives.

(5) Personnel Requirements:

(a) OIC (GS-09 / E-7 or above)

(b) RSO (GS-07 / E-6 or above)

(6) Targets: None.

(7) Range flag requirements: None, but East range flags must be posted.

(8) Telephone: None.

- (9) Road guards: None.
- (10) Power outlets: None.
- (11) Buildings: None.
- (12) Latrine: None on site.
- (13) Vehicles: Only ammunition and aid vehicles will be allowed on the range.
- (14) Safety requirements:
 - (a) Personnel are not authorized to wander outside of the areas outlined for these locations.
 - (b) Net Explosive Weights will be IAW the published SOP for these ranges.

m. UAS Laser Area

(1) Description: Through coordination with the LAAF Airfield Manager and Range Operations the airspace and ground associated with the pre-coordinated UAS laser event can be scheduled for the uses of the Gray Eagle and Shadow laser gunnery. Each air platform laser system has a unique firing area for each given target set as outlined in the Laser Standard Operating Procedure for the Fort Huachuca Range Complex.

(2) Location: Airspace above and certain portions of the ground of the East Range within the Installation Boundary.

- (3) Weapons Authorized:
 - (a) Gray Eagle Class 4 Laser Systems (39km NOHD).
 - (b) Shadow UAS Class 4 Laser Systems (7.2km NOHD).
- (4) Ammunition: NONE
- (5) Personnel Requirements:
 - (a) OIC (E-6/ GS-07 or Above)
 - (b) LRSO (E-5/ GS-05 or Above)
 - (c) MOS qualified medic or equivalent.

(6) Target Engagements: 4 vehicle targets at distances of 4km to 12km in ground distance.

(7) Safety Limitations:

(a) All runs must be accomplished IAW the Laser Standard Operating Procedures for the Fort Huachuca Range Complex.

(b) Unless a support agreement exists between the using unit and Department of Emergency Services (DES) for the purposes of this MEDEVAC requirement, the using unit must ensure a MEDEVAC vehicle is located at the turn off just before the tunnel leading to the East Range.

(c) The ground portion of the target area and Airspace are scheduled independently, units must ensure both are scheduled with their respective agencies before an event will be authorized for use.

n. Ruggee-Hamilton Boresight Area

(1) Description: This is the only authorized Shadow 200 laser area, for the purposes of boresighting the POP 300 laser system.

(2) Location: Training Area J, Ruggee-Hamilton Airstrip.

(3) Weapon: POP 300, Class 4 Laser System (7.2km NOHD)

(4) Personnel Requirements:

(a) OIC (E-6/ GS-07 or above)

(b) LRSO (E-5/ GS-05 or above)

(c) MOS qualified medic or equivalent.

(5) Target Engagements: None.

(6) Safety Limitations: The LRSO must confirm the boresight is properly attached before any laser firing is conducted.

Appendix C

Officer in Charge/Range Safety Officer Appointments

Table 1-1
Officer In Charge and Range Safety Officer appointment requirements

Weapon system	OIC ¹			RSO ¹		
	Officer	Warrant officer (WO)	Noncommissioned officer (NCO)	Officer	WO	NCO
Practice hand grenades; sub-caliber training devices; laser devices; firing devices; simulators and trip flares; small arms and machine guns.	X	X	E-6	X	X	E-5
Chemical agents and smoke ²	X	X	E-6	X	X	E-5
Aerial gunnery and air defense weapons; live grenades, grenade launchers, and grenade machine guns; live mines and demolitions; tank and fighting vehicle cannons.	X	X	E-7	X	X	E-6
Field artillery ³	X	X	E-7	X	X	E-6
Mortars	X	X	E-6	X	X	E-6 ⁴
Air defense artillery rockets and guided missiles	X	X		X	X ⁵	
Direct fire antitank rockets and missiles	X	X	E-7	X	X	E-6
Live-fire exercises using organic weapons, squad through company, battery, troop.	X	X	E-7	X	X	E-6
CALFEX/CAX using outside fire support, troop, battery, squad, platoon, company; or battalion and larger. ⁶	X	X	E-7	X	X	E-6

Notes:

¹ Civilians in the grade of general schedule (GS)-07 and above, or equivalent, may act as OIC; GS-05 and above, or equivalent, may act as RSO.

² For the Marine Corps, OIC and RSO must be E-4 and above and be chemical, biological, radiological, and nuclear (CBRN) MOS 5702/5711 when conducting CBRN or smoke training. For the Army, OIC and RSO must be CBRN qualified when conducting CBRN or smoke training.

³ Use of E-7s as OICs is authorized only when approved by the senior commander (Army)/installation commander (Marine Corps). Duties of the RSO are normally performed by either the battery executive officer or the platoon leader.

⁴ RSO for Marine Corps can be an E-5 for mortar training activities.

⁵ Senior Range Safety Officer (SRSO) will be a chief warrant officer four, chief warrant officer four or higher, or a civilian in the grade of GS-12 or above.

⁶ For battalion or larger CALFEX/CAX, OIC will be a field grade commissioned officer; exercise RSO will be E-7 or above.

**Department of the Army
(Unit Address)**

(Office Symbol)

(Date of Memo)

MEMORANDUM FOR Training Division, Fort Huachuca, AZ 85613

SUBJECT: Unit Commanders Memorandum of Certification for OIC and RSOs

1. Reference Fort Huachuca Range Regulation (FH Reg 385-8), AR 385-63, and DA Pam 385-63.
2. The listed personnel have been trained and certified IAW the Unit Commanders Range Safety Program in order to perform duties as OIC and RSO of live fire ranges and training facilities.
3. The specified personnel are certified to be OIC (E6+) or RSO (E5+) on ranges for: rifle, pistol, machine gun, practice grenades, sub-caliber training devices, simulators, pyrotechnics and on confidence/ obstacle courses per FH Reg 385-8.
4. The specified personnel are certified to be OIC (E7+) or RSO (E6+) on all ranges covered by paragraph 3 as well as the following: grenade machine guns, explosives and demolitions, direct fire anti-tank rockets and missiles, and live fire exercises using organic weapons through the Company level.

Name	Rank	Qualifications

5. All OIC/RSO have met the requirements of DA Pam 385-63, 16 April 2014, Table 1-1.
6. This memorandum must be on file at the Training Division before any personnel are sent to the Range Safety and ITAM Briefings and will be checked or updated quarterly.
7. This memorandum will remain in effect for one year or until the unit conducts a Change of Command.
8. POC for this memorandum is (Name of Individual) at (Unit Phone Number).

Battalion Commander's Signature Block
LTC, MI
Commanding

Appendix D

Training Area Capabilities List

East Range- is high desert terrain that is broken into 7 training areas as follows:

Training Area	Acres	Traffic Permitted on Existing Roads and Trails	Traffic Permitted off Existing Roads and Trails	Primary Use
A	2471	Foot/wheel	Foot	Contains several surveyed firing points usable for mortar and artillery.
B	2471	Foot/wheel	Foot	Humor and Dust Devil drop zones; supports air operations to include personnel and bundle drops.
C	2100	Foot/wheel	Foot/wheel	Hubbard and Havoc drop zones; supports air operations to include personnel and bundle drops.
D	4694	Foot/wheel	Foot/wheel	Hubbard and Havoc drop zones; co-located with Hubbard Assault Airstrip.
E	4942	Foot/wheel	Foot	Hyena drop zone.
F	3583	Foot/wheel	Foot	Supports military training for all testing activities
Z	6954	Foot/wheel	None	High Hazard HE Impact Area; restricted access, roads only.

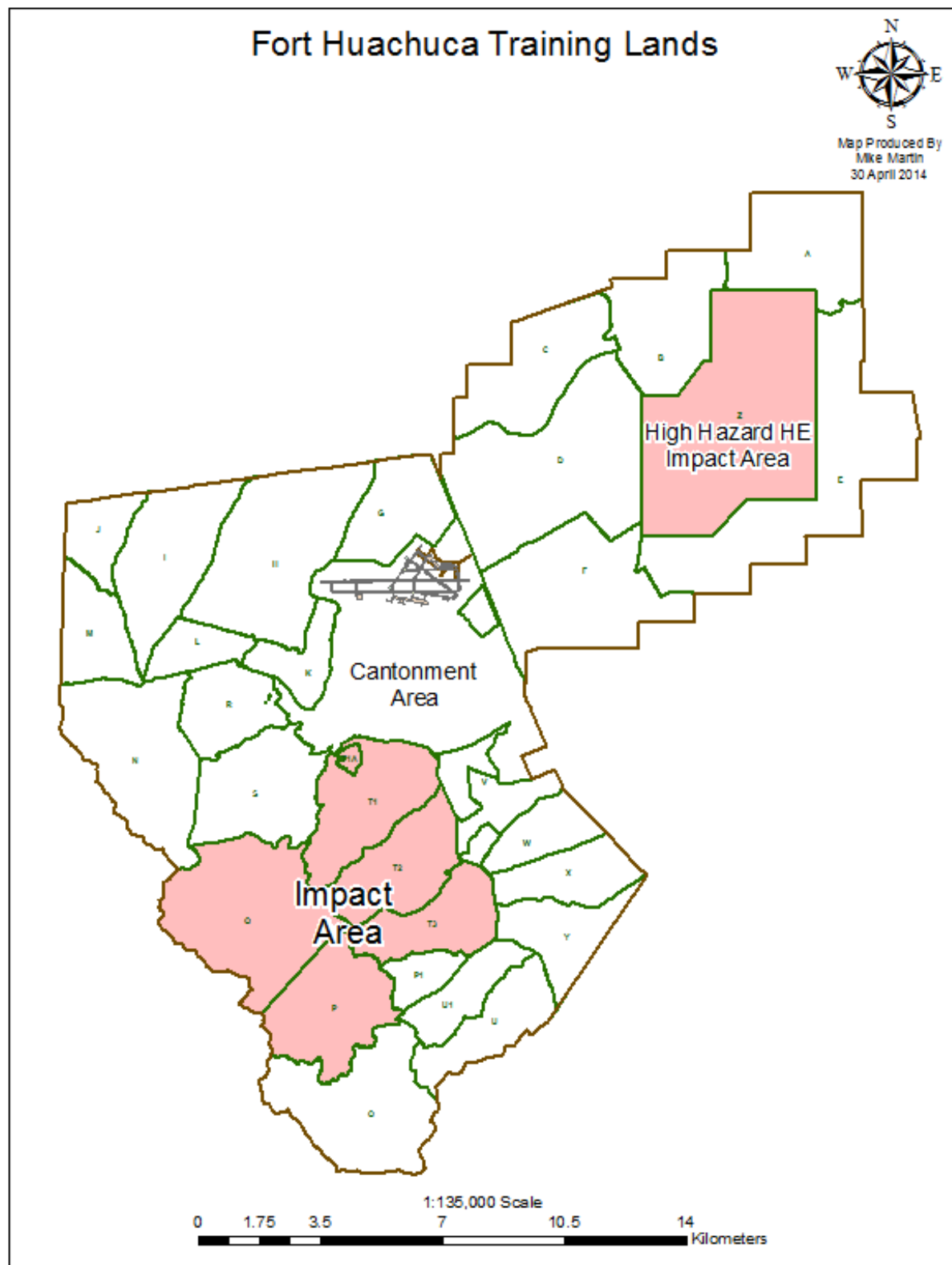
West Range- varies from high desert to mountain terrain that is broken into 8 training areas as follows:

Training Area	Acres	Traffic Permitted on Existing Roads and Trails	Traffic Permitted off Existing Roads and Trails	Primary Use
G	1087	Foot/wheel	Foot	Supports communications testing activities, FTX and bivouac activities.
H	4200	Foot/wheel	Foot	Supports tactical training and communications testing activities.
I	2223	Foot/wheel	Foot	Utilized for FTX, bivouac, and other related field training.
J	1111	Foot/wheel	Foot	UAV operations / training.
K	1136	Foot/wheel	Foot	Utilized for FTX, bivouac, and other related field training.
L	840	Foot/wheel	Foot	Utilized for FTX, bivouac, and other related field training.
M	1087	Foot/wheel	Foot	FTX and Land nav/compass course.
N	3410	Foot/wheel	Foot	Utilized for FTX, bivouac, and other related field training.

South Range- varies from high desert to mountain terrain that is broken into 11 training areas as follows:

Training Area	Acres	Traffic Permitted on Existing Roads and Trails	Traffic Permitted off Existing Roads and Trails	Primary Use
O	2619	Foot/wheel	Foot	Patrolling and tactics training; FTX, mountaineering.
P	3459	Foot/wheel	Foot	Intel, communications, FTX, mountaineering and limited recreation.
Q	2347	Foot/wheel	Foot	Military use of rappel cliffs, mountaineering.
R	1359	Foot/wheel	Foot	Patrolling and tactics training; FTX.
S	2322	Foot/wheel	Foot	Patrolling and tactics training; FTX.
T	5312	Foot/wheel	Foot	All live fire ranges (small arms).
U	2347	Foot/wheel	Foot	Patrolling and tactics training, FTX and Land nav/compass course.
V	1729	Foot/wheel	Foot	FTX and tactical training.
W	1482	Foot/wheel	Foot	Brigade-level exercises, FTX, patrolling and tactics.
X	1235	Foot/wheel	Foot	Intel, communications, FTX, patrolling and tactics
Y	1482	Foot/wheel	Foot	Brigade-level exercises, FTX, patrolling and tactics.

Appendix E Training Area Map



Glossary

AHA

Ammunition Holding Area

AMMO

Ammunition

AR

Army Regulation

ASA

Numbered point designator

ASP

Ammunition Support Point

CBRN

Chemical, Biological, Radiological, Nuclear

CCT

Combat Control Team

CP

Command Post

CS

Riot Control Chemical Agent

DES

Directorate of Emergency Services

DPW

Directorate of Public Works

DZSO

Drop Zone Safety Officer

EOD

Explosive Ordnance Disposal

FH

Fort Huachuca

FM

Field Manual

FTX

Field Training Exercise

GMG

Grenade Machine Gun

HB

Heavy Barrel

IAW

In accordance with

KD

Known distance

LAW

Light Antitank Weapon

LFX

Live Fire Exercise

MEDDAC

Medical Department Activity

MG

machinegun

MPH

Miles per Hour

NBC

Nuclear, Biological, Chemical

NCO

Noncommissioned Officer

OHV

Off-Highway Vehicle

OIC

Officer in Charge

POV

Privately Owned Vehicle

POW

Privately Owned Weapon

RFMSS

Range Facility Management Support System

RM

Risk Management

RSO

Range Safety Officer

SAW

Squad Automatic Weapon

SDZ

Surface Danger Zone

SOP

Standard Operating Procedures

TOW

Tube-Launched, Optical-Tracked, Wire-Guided

TM

Technical Manual

TP

Training Practice

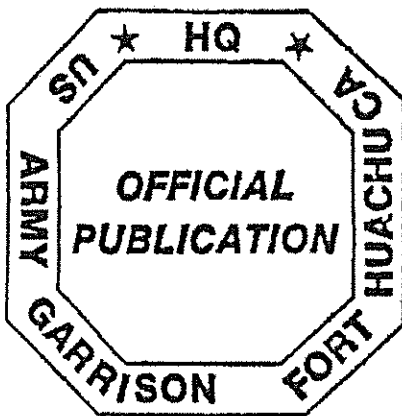
UXO

Unexploded Ordnance

IMHU-PLT

IMHU-HRA

FOT THE COMMANDER



A handwritten signature in black ink, appearing to read "Scott D. Berrier".

OFFICIAL:

SCOTT D. BERRIER
Major General, USA
Commanding

DANIEL B. GIBSON
Director of Human Resources

DISTRIBUTION: E