

**BY ORDER OF THE COMMANDER
AIR FORCE GLOBAL STRIKE COMMAND**

AIR FORCE MANUAL 13-212 VOLUME 1



**AIR FORCE GLOBAL STRIKE COMMAND
Supplement**

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Nuclear, Space, Missile, Command and Control

RANGE PLANNING AND OPERATIONS

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This supplement implements and extends the guidance of Air Force Manual (AFMAN) 13-212 V1, *Range Planning and Operations*. This supplement provides additional guidance for range responsibilities, scheduling and safety. It applies to all Air Force Global Strike Command (AFGSC) units conducting fixed-wing flying operations. This supplement applies to Air National Guard and Air Force Reserve Command units operating aircraft on AFGSC controlled ranges. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Information Management System (AFRIMS) Record Disposition Schedule (RDS). Refer comments, recommended changes and questions about this publication to AFGSC/A3TO, Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*, through standardization and evaluation channels, to AFGSCA3TWorkflow.1@us.af.mil or Headquarters Air Force Global Strike Command, (AFGSC/A3T), 256 Davis Ave East, Suite 256, Barksdale AFB, LA 71110. Unless otherwise specified, the Director of Operations (AFGSC/A3) is the overall waiver authority for this supplement. Waiver requests to this instruction will be channeled through AFGSC/A3T for approval routing to AFGSC/A3. Units may supplement this instruction. The operations group commander (OG/CC) is the waiver authority for unit generated supplements. Prior to publication, forward unit supplements to AFGSC/A3T for approval.

SUMMARY OF CHANGES

This document has changed substantially and must be completely reviewed. This supplement provides guidance and procedures for AFGSC Ranges. It incorporates AFMAN 13-212V1 changes.

1.4.1. AFGSC is primarily responsible for the ranges listed on **Table 1.3**. ACC still remains the lead MAJCOM on all range and emitter issues.

1.5. **(Added) Range Issue Resolutions.** AFGSC/A3T is the focal point for all AFGSC range issues and is responsible for coordinating with ACC/A3A for resolution.

2.8.20. Airspace and Range Conference. ACC/A3A will hold an Airspace and Range Conference every 2 years to ensure the widest dissemination of current Airspace and Range information. AFGSC/A3T will send a representative to present MAJCOM range issues. AFGSC wings should also consider sending a representative from their Wing Weapons Office.

2.9.16.3. Range Scheduling. All AFGSC ROA's should publish range scheduling procedures in their local range addendum and post them on their range web page. Published procedures should include: scheduling procedures for: normal and additional operating hours (AOH), schedule changes, and dissemination of range safety information to off-station/non-local users.

2.9.16.3.1. **(Added)** The range scheduling authority controls and advertises EC vulnerability periods and should publish scheduling procedures for vulnerability periods and unscheduled "bootleg" opportunities. Sites will constantly monitor assigned UHF/VHF radio frequencies for bootleg aircraft during the vulnerability period.

3.1.2. ACC, as the lead MAJCOM produced the Enterprise Range Plan (ERP) which is a 10 year vision for range development and modernization across the Air Force. The ERP identifies the current mission of each range and range requirements and regionalizes the six CONUS and two OCONUS Ranges. AFGSC Ranges are in Region 5 for Snyder, TX and Region 7 for Belle Fourche, SD. See **Table A2.1**

3.1.3. Operational Wings will submit range training requirements to AFGSC A3T who will consolidate and submit through the ACC Realistic Training Review Board (RTRB).

3.1.3.3. Each AFGSC ROA should have range information posted on the ACC Range Operations and Requirements CoP. Data might include, but is not limited to, target information/restrictions, authorized ordnance per target, manned sites, no-drop targets, unusual weather phenomena that impacts range operations (e.g. standing water causing visual illusions), and potential night lighting interference issues (e.g. use of night vision devices on ranges near well-lit towns/areas). Establish procedures to disseminate pertinent range information to off-station/non-local users in the event the SharePoint site or Central Scheduling Enterprise (CSE) is not accessible.

3.1.3.3.1. **(Added)** All AFGSC ROAs should have a local addendum published and approved by ACC/A3A. AFGSC/A3T and 8AF/OV should receive copies of all ACC approved local addendums.

3.1.3.3.1.1. **(Added)** Range Users Conference. All AFGSC ROAs should hold an annual "range users" conference to ensure user's training requirements are identified. It is recommended that a wing representative attend the Range User's Conference for each range it flies in. Examples of

topics that may be addressed are: range safety, operating procedures, scheduling, targets and target sets, threats, range clean-up, weapons danger zones, scoring, etc. The minutes will be signed by the ROA and an electronic copy sent to AFGSC/A3TO.

3.1.3.3.1.1.1. **(Added)** End user target requirements should be documented through the Range Users Conference or other cooperative means involving both the users and ranges. This is a cost-effective means to determine the need for new targets or when to eliminate existing targets.

3.1.4. **Range offices must submit quarterly and end of year execution reports to ACC/A3AR and highlight unfunded requirements routinely throughout the year.** MRTFBs will also include quarterly reimbursement earnings data. A sample report format is provided in [Figure A3.1](#); however, a unit-developed format may be used so long as it provides the same level of detail. Submit quarterly and end of year reports NLT 15 days after end of reporting period.

3.1.4.2.2.2.4. ACC/A3A is the CAF Lead for Air Combat Training Systems (ACTS) pod management.

3.1.4.2.2.2.4.1. **(Added)** ACC/A3A is the OPR for issues relating to integration of range capabilities into the Live-Virtual-Constructive (LVC) and Cross-Domain Integration (X-DI) arenas.

4.2.1. Each flight crew/range user is responsible for thoroughly understanding the contents of the instruction, this supplement, and any range-specific addendum or agreement.

4.2.1.1.1.1. **(Added)** Off-station/Non-local Users (units without established Letters of Agreements with the range). These users will provide a mission profile for each requested range period. The scheduling authority will validate and approve the mission profile, then inform the User of acceptance, denial or recommended changes. The User must acknowledge receipt of the approved mission profile at least 24 hours prior to range usage. The acknowledgement will include: mission number (if applicable), flight call sign, scheduled range date/time, and ordnance (if applicable).

4.13.1. Aircrews should conduct site activity IAW ACCI 10-707, *Air Combat Command (ACC) Electronic Attack Training and Emissions Control (EMCON) Procedures* and this supplement. Refer to the chapter pertinent to the system or area of operation necessary for mission completion. AFGSC ROAs may have published local guidance in the specific range addendum Snyder or Belle Fourche, to AFMAN 13-212V1_AFGSCSUP, to include special instructions (SPINS) and letters for special training missions and exercises. Additional operating procedures are provided in [Attachment 2](#) which represents the continuation of operating procedures where training requirements have changed or responsible organizations deactivated, and which do not exist in official publications, technical orders or equipment manuals.

Send recommendations to add, delete or change these procedures to AFGSC/A3T who will coordinate through the ACC/A3AR Threats Team.

JAMES R. ARMAGOST
Brigadier General, USAF
Director of Operations and Communications

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

ACCI 10-707, *Air Combat Command (ACC) Electronic Attack Training and Emissions Control (EMCON) Procedures*, 13 Sept 2013

Attachment 2

**UNITED STATES AIR FORCE OPERATED OR OWNED RANGES GOVERNED BY
THIS MANUAL**

A2.1. (Added) Standard Operating Procedures. These operating procedures represent the continuation of operating procedures where training requirements have changed or responsible organizations deactivated, and which do not exist in official publications, technical orders or equipment manuals. Send recommendations to add, delete or change these procedures to AFGSC/A3T who will coordinate with the ACC/A3AR Threats Team.

Table A2.1. PRTs.

Primary Training Range	Type1	Range Operating Agency and Location
Belle Fourche	ESS	28 BW/CC, Ellsworth AFB, SD
Snyder	ESS	7 BW/CC, Dyess AFB, TX

A2.1.1. **(Added)** Aircrew will be aware sites may perform unscheduled equipment maintenance during vulnerability periods but they should maintain a 30-minute recovery capability.

A2.1.2. **(Added)** Wing scheduling authorities should provide the site with all necessary information prior to the activity. Aircrews will relay information at initial contact to identify activity when run information is not previously provided.

A2.1.3. **(Added)** Aircrew will perform radio check with ESS during initial check-in or when radio status is in question.

A2.1.4. **(Added)** Sites DO NOT HAVE AIR TRAFFIC CONTROL AUTHORITY. Aircrew will not request changes or cancellation of any previously issued ARTCC clearances. Sites may relay information between ARTCC and aircrews, on request. When communicating with aircrews, ESSs will identify the site by the assigned name.

A2.1.5. **(Added)** Aircrew should receive advisories from ESS of loss of capability by activity (ECM) with an estimated time of return to operational status.

A2.1.6. **(Added)** Aircrew will confirm run information to site operators prior to mission start.

A2.1.7. **(Added)** Aircrews may be asked for Mode 3 IFF code settings to identify the correct aircraft.

A2.1.8. **(Added)** At the conclusion of each ECM run, aircrew will be prepared to provide site operators with any weak or undetected signals.

A2.1.9. **(Added)** ECM Run Types. Aircrew will refer to ACCI 10-707 to reference general descriptions of different run types that correspond to MUTES/Mini-MUTES scenarios or work directly with the site to create a run that better fits their training.

Attachment 3

RANGE SUPPORTED MAJOR WEAPON SYSTEM TRAINING EVENTS

Figure A3.1. Sample Quarterly Fiscal Year Spending Reports

XX O5S/O5XX FYXX BUDGET AND EXPENSE TRACKING SPREADSHEET										
		First Quarter			Second Quarter		Third Quarter		Fourth Quarter	
Initial Distribution	\$157,000.00									
Wing Tax	\$14,300.00									
OG Tax	\$5,700.00									
Additional Funding										
Additional Funding										
OSX Available	\$137,000.00									
EEIC&Description	Programmed	Actual Spent								
61950 - GPC	\$50,000.00	\$3,956.48	GPC	\$3,956.48	GPC	\$0.00	GPC	\$0.00	GPC	\$0.00
			Oct - \$0.00	(Note 1)	Jan -		Apr -		Jul -	
			Nov - \$3,122.95	(Note 2)	Feb -		May -		Aug -	
			Dec - \$833.53		Mar -		Jun -		Sep -	
									13moSep-	
609-Gen Supply Sppt	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
619-Other Supplies	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
592 - Contract Service	\$22,300.00	\$0.00				\$0.00				
Form 9's										
43490 - GSA Vehicle	\$8,200.00	\$1,956.22	GSA Truck	\$1,956.22	GSA Truck	\$0.00	GSA Truck	\$0.00	GSA Truck	\$0.00
			Oct - \$655.47		Jan -		Apr -		Jul -	
			Nov - \$670.75		Feb -		May -		Aug -	
			Dec - \$630.00 (est)		Mar -		Jun -		Sep -	
641-Ground Fuels	\$5,000.00	\$159.20	Ground Fuel	\$159.20	Ground Fuel	\$0.00	Ground Fuel	\$0.00	Ground Fuel	\$0.00
(Fuel/Org Code - 220)			Oct - \$159.20		Jan - \$0		Apr - \$0		Jul -	
(RCC-331702)			Nov - \$0		Feb - \$0		May - \$0		Aug -	
			Dec - \$0		Mar - \$0		Jun - \$0		Sep -	
							Rg Clear -			
693-Aviation Fuel	\$1,500.00	\$0.00	Aviation Fuel	\$0.00	Aviation Fuel	\$0.00	Aviation Fuel	\$0.00	Aviation Fuel	\$0.00
							Rg Clear -			
409 Travel	\$50,000.00	\$1,564.44	TDY	\$1,564.44	TDY	\$0.00	TDY	\$0.00	TDY	\$0.00
			Holloman-\$1,564.44				Rg Clear -			
PROGRAM FUNDED	\$137,000.00						Langley			
			Quarter Total:	\$7,636.34	Quarter Total:	\$0.00	Quarter Total:	\$0.00	Quarter Total:	\$0.00
TOTAL SPENT BY EEIC:	\$7,636.34		Note 1: Oct GPC EOM - \$16,996.01 - All FY08 Charges				Note 8:			
TOTAL SPENT thru 4th QUARTER:	\$7,636.34		Note 2: Nov GPC EOM - \$4,153.95; \$1,031 was FY08 Charge				Note 9:			
			Note 3:				Note 10:			
TOTAL SPENT + PLANNED:	\$7,636.34		Note 4:				Note 11:			
			Note 5:				Note 12:			
TOTAL REMAINING:	\$129,363.66		Note 6:				Note 13:			
			Note 7:							

Attachment 4

ASSIGNED RANGE USERS AND TRAINING EVENTS

A4.1. (Added) Local Range Supplement. The range supplement will address all appropriate items applicable to all weapons systems and using agencies. Instructions and their supplements are discussed in AFI 33-360.

A4.1.2. **(Added)** Because the content of the local range supplement will probably interface with other wing/base activities, the local range supplement should be published at wing/base level.

A4.1.3. **(Added)** Local range supplements will be submitted to AFGSC/A3TO for review prior to publication. **Note: (Added)** OPRs must contact their host base or unit publishing activity for formatting guidance prior to developing a supplement. Failure to do so may cause otherwise unnecessary rework.

A4.2. (Added) Document Structure. The chapters listed in **Table A4.1**, if applicable, will be used. The content of each chapter (e.g., numbered paragraphs) listed below may be expanded, eliminated, or arranged (within chapters) as appropriate to meet local requirements.

Table A4.1. AFGSC Range Supplement Chapters

CHAPTER 1 RESPONSIBILITIES

1.1. General Information

1.2. xx FW (ROA)

1.3. Other Agencies

1.4. Host Unit

1.5. CES

1.6. Weather

1.7. Range User

1.8. Unit Feedback

1.9. Scheduling Authority

CHAPTER 2 DESCRIPTION OF RANGE AND MILITARY OPERATING AREA

2.1. General Information

2.1.1. Capabilities

2.1.2. Hours of Operation

2.1.3. Scheduling Procedures

2.2. Restrictions

2.2.1. Common/General

2.2.2. Range

2.2.3. Airspace

2.3. Range and Military Operating Area (MOA)

2.3.3. Electronic Range

2.3.5. MOA

2.4. Range Routes, Air Refueling Tracks and Remotely Piloted Aircraft (RPA) Corridors

CHAPTER 3 ELECTRONIC WARFARE RANGE / ELECTRONIC WARFARE SITE

3.1. Purpose

3.2. Scheduling

3.3. Events

3.4. Restrictions

3.5. Communications

3.6. Tactics

3.7. Operations

3.8. Simulators

3.9. Feedback

CHAPTER 4 RANGE CONTROL OFFICER PROCEDURES

4.1. Responsibilities

4.2. Checkout and Certification Procedures