

**BY ORDER OF THE COMMANDER
31 FIGHTER WING (USAFE)**

AVIANO AIR BASE INSTRUCTION

91-201

3 APRIL 2018

Safety



**PROTECTIVE AIRCRAFT SHELTERS
(PAS), COMBAT AIRCRAFT PARKING
AREAS (CAPA), HOT CARGO PAD (HCP)
EXPLOSIVES OPERATIONS,
MUNITIONS STORAGE AREA (AREA G)**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This Aviano Air Base Instruction (AABI) provides guidance on the net explosive weights (NEWs) authorized at protective aircraft shelters (PAS), combat aircraft parking areas (CAPA), hot cargo pads (HCP), U.S. Army Personnel Alert Holding Area (PAHA), U.S. Army Heavy Drop Rigging Facility (HDRF)/High Dock and Area G. This guidance includes both daily and combat operating environments and sets forth the compensatory measures necessary to establish the safest environment possible during explosive operations in which increased NEWs are required for mission accomplishment. It applies to all personnel including, but not limited to, U.S. Army, Air Force Reserve, and Air National Guard (ANG) assigned or deployed to Aviano Air Base who handle or transport explosives. This publication implements DOD 6055.9-STD *DOD Ammunitions and Explosives Safety Standards* and Air Force Manual (AFMAN) 91-201 *Explosives Safety Standards*. This publication may be supplemented at any level, but all supplements must be routed to the Office of Primary Responsibility (OPR) listed above for coordination prior to certification and approval. Refer recommended changes and questions about this publication to the OPR listed above using the AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate chain of command. Requests for waivers must be submitted to the OPR listed above for consideration and approval. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, *Management of Records*, and disposed of in

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SUMMARY OF CHANGES

1. Overview. This Air Base Instruction (ABI) implements the requirements of AFMAN 91-201 regarding explosive site plans (ESPs) specific to Aviano Air Base.

1. 1. This instruction:

1.1.1. Provides explosives hazard mitigation guidance to personnel involved in explosive operations on Aviano Air Base.

1.1.2. Directs the implementation of mandatory compensatory measures, when required, to meet operational requirements and limit hazards to personnel and facilities unrelated to explosives operations.

1.1.3. Enforces the cardinal principle of explosives safety: Expose the minimum number of people to the minimum amount of ammunition and explosives (AE) for the minimum amount of time consistent with safe and efficient operations.

2. General . Explosives safety practices observed during war and peacetime provide personnel and property maximum protection from the damaging effects of potential accidents consistent with operational requirements.

2.1. By design, this instruction is conservative and provides the 31 FW/CC a vehicle for rapid, logical explosives safety decisions IAW all applicable directives. During sustained operations or unusual contingencies, risk assessments may provide relief from stipulated procedures in the form of Event Waivers. Event Waivers will be generated by the 31 FW/Weapons Safety (SEW) and routed to the appropriate approval authority prior to implementation.

3. Explosives Operating Environments. Aviano AB may operate under the following two explosives operating environments dependent solely on mission requirements: Combat and Daily.

3.1. The combat operations explosives operating environment will be used during combat operations when increased hazards are essential to execute air tasking orders (ATO) or other mission essential operations. When approved, combat operations weights allow the full use of approved ESPs at potential explosives sites (PES). The combat environment is not all inclusive and may be activated for a specific location. For example, an ATO is issued for the generation of six aircraft from one fighter squadron. Combat operations criteria would be applied to the affected area and not the remaining fighter squadron as they pose no additional hazard. Along with the increased amount of NEW, certain protection measures must be implemented to limit the risk to personnel unrelated to explosives operations. See [Attachment 7](#) for compensatory measures. Additionally, combat NEWs are shown in [Attachment 2](#).

3.2. The daily NEW explosives environment will be used for normal peacetime operations. The intent of the daily NEWs is to restrict the amount of NEW at PESs to reduce the risk to personnel and facilities not related to explosives operations. Daily NEWs will not always be reflected on the approved ESPs but are established by the 31 FW/SEW and approved by the Wing Commander and are listed in [Attachment 2](#).

4. Compensatory Measures. Exceptions to Quantity Distance (QD) can be mitigated through the use of compensatory measures. These measures are used to implement risk management criteria to specific areas when the presence of explosives hazard unrelated personnel and facilities outside of established guidance in AFMAN 91-201. Due to mission requirements and space constraints, the need for the full capability of approved ESPs must be available for operational use but not without considering the loss of unrelated activities. Compensatory measures are required for all PESs prior to implementation of the contingency operating environment but only a handful of PESs have compensatory measures associated with them during the daily NEW operating environment. See [Attachment 7](#).

4.1. Upon implementation of the combat operating environment, the 31 FW/CC will direct implementation of compensatory measures and disseminate the change in operating environment via any acceptable means, i.e., Crisis Action Team Directive (CATD), email, etc.

4.2. Personnel must be familiar with the compensatory measures associated with the PESs in which they operate. Daily NEW compensatory measures will not be directed by the 31 FW/CC but it is the responsibility of the user to ensure compliance.

4.3. The following PESs have established compensatory measures associated when explosives are introduced:

- 4.3.1. Hot Cargo Pads (HCPs)
- 4.3.2. Zulu Loop Protective Aircraft Shelters (PAS)
- 4.3.3. Sierra Loop PASs
- 4.3.4. Tower Loop PASs
- 4.3.5. Combat Aircraft Parking Areas (CAPAs)
- 4.3.6. 82006B PAD (Area G)
- 4.3.7. 82206 Pad (Area G)
- 4.3.8. Bldg. 1204 Army Heavy Drop Rigging Facility
- 4.3.9. Bldg. 12041 Army High Dock
- 4.3.10. Facility 12004 EOD Proficiency Range

4.4. Compensatory measures are further broken out by individual PESs in [Attachment 7](#).

5. Responsibilities :

5.1. 31 Operations Group (OG) will:

- 5.1.1. Ensure CAPA/PASs have required munitions specific aircraft parking areas marked in paint within 180 days of this OI's implementation.

5.1.2. Ensure 31 OG individuals with duties inside explosives clear zones are informed of the risk.

5.1.3. Ensure Italian national employees assigned to the 31 OG comply with compensatory measures upon implementation. Refer to [Attachment 7](#).

5.2. 31 Mission Support Group (MSG) will:

5.2.1. Ensure Italian national employees assigned to the 31 MSG comply with compensatory measures upon implementation. Refer to [Attachment 7](#).

5.2.2. Coordinate with 31 OG and 31 MXG to provide possible workspace for evacuated Italian nationals in the event of compensatory measure implementation.

5.2.3. Support the implementation of compensatory measures if the contingency operating environment is activated, i.e., restricting pedestrian and vehicular traffic on closed roads.

5.2.4. Ensure 31 MSG individuals with duties inside explosives clear zones are informed of the risk.

5.3. 31 Maintenance Group (MXG) will:

5.3.1. Upon delivery of munitions, ensure shelter doors are closed as expeditiously as possible. This is a shared responsibility amongst all squadrons under the MXG.

5.3.2. PAS doors must remain closed whenever explosives are inside. Closed doors provide the highest degree of protection to personnel and assets inside the shelter from other PESs and to Exposed Sites (ESs) from the explosives inside the PAS. Doors may be opened to move support equipment and aircraft in and out of the PAS and when maintenance activities require, but must be closed when those operations are concluded. Refueling inside the PAS shall be conducted with the doors open.

5.3.3. Place and maintain signs on the inside of the PAS doors showing daily and combat NEW limits.

5.3.4. Ensure 31 MXG individuals with duties inside explosives clear zones are informed of the risk.

5.3.5. Ensure Italian national employees assigned to the 31 MXG comply with compensatory measures upon implementation. Refer to [Attachment 7](#).

5.3.6. Support the implementation of compensatory measures if the contingency operating environment is activated.

5.4. 31 Aircraft Maintenance Squadron (AMXS) will:

5.4.1. Ensure the Maintenance Operations Center (MOC) is notified when hazard division (HD) 1.1 and 1.2.x munitions are loaded/downloaded at a PAS/CAPA.

5.4.2. Ensure MOC is notified of loaded aircraft departure from a PAS/CAPA or other circumstances when HD 1.1 or 1.2.x munitions are no longer present.

5.4.3. Ensure MOC is notified when an aircraft returns to a PAS/CAPA with unexpended HD 1.1 and 1.2.x munitions.

5.4.4. Ensure aircraft with HD 1.1 and 1.2.x munitions, returning from flight or positioned for launch, are only on the aprons in front of the pad for the minimum amount of time. For example, after returning from flight with un-expended munitions, aircraft must be pushed back prior to servicing/inspection actions. Aprons located directly outside of the PASs are not approved for these HDs.

5.4.5. Support the implementation of compensatory measures if the contingency operating environment is activated.

5.5. 31 Munitions Squadron (MUNS)/Munitions Control will:

5.5.1. Notify Emergency Communication Center (ECC) when 31 MUNS delivers HD 1.1 and 1.2.x munitions to a PAS/CAPA.

5.5.2. Notify ECC when 31 MUNS personnel remove munitions from a PAS/CAPA and HD 1.1 or 1.2.x munitions are no longer present.

5.5.3. Contact 31 FW/SEW prior to implementing the contingency operating environment so coordination for compensatory measures can directed/approved through the 31 FW/CC.

5.5.4. Post highest explosive HD of PESs for which they are responsible.

5.5.5. Munitions Control will monitor all munitions movements and NEWs for all units assigned, attached, or deployed to Aviano AB.

5.6. US Army will:

5.6.1. Notify the 31 FW/SEW when the U.S. Army plans to introduce munitions exceeding 500 pounds of HD 1.3 and/or 1.4 into buildings 1204 or 12041.

5.6.2. Post appropriate fire symbol/hazard sign on 1204, 12041, and 1446.

5.6.3. Notify ECC when munitions are introduced/removed from facilities and the fire symbol/hazard signs are posted/removed.

5.7. 31 FW/SEW will:

5.7.1. Perform spot inspections to verify control center explosives environment information tracking accuracy.

5.7.2. Perform spot inspections on munitions loading/unloading operations.

5.7.3. Perform spot inspections on munitions delivery operations to ensure PASs and CAPAs do not exceed sited NEW.

5.7.4. Notify wing leadership when U.S. Army plans munitions operations at buildings 1204, 12041, and 1446.

5.7.5. Provide a course of action for wing leadership when US Army operations hazard USAF or Italian personnel.

5.8. Additional Remarks

5.8.1. PASs within Mike, Sierra, Tower, and Zulu loops will not be individually posted with fire symbols or hazard signs.

- 5.8.1.1. PASs within Mike, Sierra, Tower and Zulu loops used as munitions storage or explosives operating locations will not be posted with fire symbols or hazard signs.
 - 5.8.1.2. MOC and the Fire Dept. must be notified immediately of HD changes at PASs within Mike, Sierra, Tower, and Zulu loops.
 - 5.8.1.3. 82001 and 82002 will have fire symbols and hazard signs posted when explosives are present.
- 5.8.2. The attachments list the net explosive weights and compensatory measures for various facilities.

LANCE K. LANDRUM, Brigadier General, USAF
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

DOD 6055.9-STD *DOD Ammunitions and Explosives Safety Standards*

AFMAN 33-363, *Management of Records*, 01 March 2008

AFMAN 91-201 *Explosives Safety Standards*, 21 March 2017

Prescribed Forms

None

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

AABI—Aviano Air Base Instruction

AFRIMS—Air Force Records Information Management System

AMXS—Aircraft Maintenance Squadron

ATO—Air Tasking Orders

CATD—Crisis Action Team Directive

CAPA—Combat Aircraft Parking Areas

CZ—Clear Zone

ECC—Emergency Command Center

ES—Exposed Sites

ESP—Explosive Site Plans

FS—Fighter Squadron

FW—Fighter Wing

PAS—Hardened Aircraft Shelters

HCP—Hot Cargo Pad

HD—Hazard Division

HDRF—Heavy Drop Rigging Facility

LSRN—Largest Single Round Net Explosive Weight for Quantity Distance

MCE—Maximum Credible Event

MSG—Mission Support Group

MOC—Maintenance Operation Center

MXG—Maintenance Group

MUNS—Munitions Squadron

NEW—Net Explosive Weight

NEWQD - Net Explosive Weight for Quantity—Distance

OG—Operations Group

OPR—Office of Primary Responsibility

PAHA—Personnel Alert Holding Area

PES—Potential Explosive Sites

QD—Quantity Distance

RDS—Records Disposition Schedule

SEW—Weapons Safety

ATTACHMENT 2

PAS NEWS (CONTACT SEW PRIOR TO USING COMBAT OPS LIMITS)

Table A2.1. PAS NEWS (Contact SEW Prior to Using Combat Ops Limits), Part 1

SIERRA LOOP							
Facility	1.1 (DAILY OPS)	1.1 (COMBAT OPS)	1.2.1 (MCE)	1.2.2	(xx) 1.2.3(LSRN)	1.3	1.4
1182 (S-51)	4,000	4,000	2,000 <109	4,000	(09)4,000 <109	4,000	4,000
1183 (S-53)	3,449	6,000	2,000 <109	6,000	(09)4,000 <109	6,000	6,000
1184 (S-52)	6,000	6,000	2,000<109	6,000	(09)6,000<109	6,000	6,000
1185 (S-54)	500	500	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
1186 (S-55)	4,300	4,300	2,000 <109	1,300	(09)4,300 <109	4,300	4,300
1188 (S-56)	0	500	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
1189 (S-57)	500	500	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
1190 (S-60)	1,930	1,930	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
1191 (S-58)	0	500	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
1192 (S-62)	3,375	3,375	2,000 <109	3,375	(09)3,375 <109	3,375	3,375
1193 (S-59)	500	500	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
1194 (S-64)	5,870	5,870	2,000<109	6,000	(09)6,000<109	6,000	6,000
1195 (S-61)	500	1,100	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
1196 (S-63)	1,100	1,100	1,754 <110	4,000	(09)4,000 <109	4,000	4,000
1197(S-66)	500	500	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
1198(S-67)	500	500	1,000 <109	2,000	(09)2,000 <109	2,000	2,000
ZULU LOOP							
Facility	1.1 (DAILY OPS)	1.1 (COMBAT OPS)	1.2.1 (MCE)	1.2.2	(xx) 1.2.3(LSRN)	1.3	1.4
7830 (Z-17)	500	500	1,826<109	4,000	(09)4,000 <109	4,000	4,000
7870 (Z-13)	4,000	4,000	1,818<99	4,000	(09)4,000<99	4,000	4,000
7910 (Z-11)	Air-to-Air Missiles only	4,000	681 <93	4,000	(09)4,000 <93	4,000	4,000
7920 (Z-18)	6,000	6,000	6,000 <109	6,000	(09)6,000 < 109	6,000	6,000
7930 (Z-9)	Air-to-Air Missiles only	4,000	2,000 <109	4,000	(09)4,000 <109	4,000	4,000
7940 (Z-16)	6,000	6,000	2,050 <109	6,000	(09)6,000 < 109	6,000	6,000
7960 (Z-10)	4,000	4,000	3,319<109	4,000	(09)4,000 <109	4,000	4,000
7970 (Z-6)	Air-to-Air Missiles only	4,000	4,000<109	4,000	(09)4,000 <109	4,000	4,000
7980 (Z-7)	5,000	5,000	3,875 <109	5,000	(09)5,000 <109	5,000	5,000
7990 (Z-5)	Air-to-Air Missiles only	4,000	1,581 <109	4,000	(09)4,000 <109	4,000	4,000
8000 (Z-1)	5,000	5,000	5,000 <109	5,000	(09)5,000 <109	5,000	5,000
8010 (Z-2)	4,000	4,000	1,500 <109	4,000	(09)4,000 <109	4,000	4,000
8020 (Z-3)	6,000	6,000	1,774<109	6,000	(09)4,000<109	6,000	6,000
8030 (Z-4)	4,000	4,000	2,413 <109	4,000	(09) 4,000 <109	4,000	4,000

Table A2.2. PAS NEWs (Contact SEW Prior to Using Combat Ops Limits), Part 2

TOWER LOOP							
Facility	1.1 (DAILY OPS)	1.1 (COMBAT OPS)	1.2.1 (MCE)	1.2.2	(xx) 1.2.3(LSRN)	1.3	1.4
8230 (T-35)	2,100	6,000	1,714 < 109	11,000	(09)11,000 < 109	11,000	11,000
8250 (T-34)	2,600	6,000	972 < 109	11,000	(09)11,000 < 109	11,000	11,000
8270 (T-32)	500	4,200	2,198 < 109	11,000	(09)11,000 < 109	11,000	11,000
8280 (T-33)	6,000	6,000	1,410 < 109	11,000	(09)11,000 < 109	11,000	11,000
8310 (T-30)	500	5,960	1,348 < 109	11,000	(09)11,000 < 109	11,000	11,000
8320 (T-29)	988	1,100	1,694 < 109	11,000	(09)11,000 < 109	11,000	11,000
8360 (T-27)	500	1,100	1,005 < 109	11,000	(09)11,000 < 109	11,000	11,000
8370 (T-25)	500	2,300	1,016 < 109	11,000	(09)11,000 < 109	11,000	11,000
8380 (T-26)	1,299	4,000	1,051 < 109	11,000	(09)11,000 < 109	11,000	11,000
8410 (T-23)	500	1,100	1,022 < 109	11,000	(09)11,000 < 109	11,000	11,000
8440 (T-22)	2,584	3,000	2,289 < 109	11,000	(09)11,000 < 109	11,000	11,000

ATTACHMENT 3
COMBAT AIRCRAFT PARKING AREAS (CAPA)

Table A3.1. Combat Aircraft Parking Areas (CAPA)

Combat Aircraft Parking Areas						
Facility	1.1	1.2.1 (MCE)	1.2.2	(xx) 1.2.3(LSRN)	1.3	1.4
CAPA-T21	29.5	0	0	0	0	0
CAPA-T24	29.5	0	0	0	0	0
CAPA-T28	29.5	0	0	0	0	0
CAPA-T29A	29.5	0	0	0	0	0
Sierra Pad S82A	29.5	0	0	0	0	0
Sierra Pad S82B	29.5	0	0	0	0	0
Sierra Pad S82C	29.5	0	0	0	0	0
Sierra Pad S82D	29.5	0	0	0	0	0
CAPA-S92A	29.5	0	0	0	0	0
CAPA-S92B	29.5	0	0	0	0	0
CAPA-S92C	29.5	0	0	0	0	0
CAPA-S92D	29.5	0	0	0	0	0
CAPA-S96A	29.5	0	0	0	0	0
CAPA-S96B	29.5	0	0	0	0	0
CAPA-S96C	29.5	0	0	0	0	0
CAPA-Z01A	29.5	0	0	0	0	0
CAPA-Z01B	29.5	0	0	0	0	0
CAPA-Z01C	29.5	0	0	0	0	0
CAPA-Z01D	29.5	0	0	0	0	0
CAPA-Z01E	29.5	0	0	0	0	0
CAPA-Z01F	29.5	0	0	0	0	0
CAPA-Z09A	29.5	0	0	0	0	0
CAPA-Z09B	29.5	0	0	0	0	0
CAPA-Z09C	29.5	0	0	0	0	0
CAPA-Z17A	29.5	0	0	0	0	0
CAPA-Z17B	29.5	0	0	0	0	0
CAPA-Z17C	29.5	0	0	0	0	0
CAPA-Z17D	29.5	0	0	0	0	0
CAPA-M37A	29.5	0	0	0	0	0
CAPA-M37B	29.5	0	0	0	0	0
CAPA-M38A	29.5	0	0	0	0	0
CAPA-M38B	29.5	0	0	0	0	0
CAPA-M40A	29.5	0	0	0	0	0
CAPA-M40B	29.5	0	0	0	0	0
CAPA-M41A	29.5	0	0	0	0	0
CAPA-M41B	29.5	0	0	0	0	0

ATTACHMENT 4
HAZARDOUS CARGO PADS (HCP)

Table A4.1. Hazardous Cargo Pads (HCP)

Hazardous Cargo/Heavy Pads						
Facility	1.1	1.2.1 (MCE)	1.2.2	(xx)1.2.3(LSRN)	1.3	1.4
749A	0	0	956	0	28,000	MEQ
750A	0	0	2,000	0	28,000	MEQ
751A	0	0	1,226	0	27,000	MEQ
800	29,000	25,000 >451	30,000	(12)30,000 <450	30,000	30,000
800A	30,000	28,000 >451	30,000	(12)30,000 <450	30,000	30,000
800B	29,000	30,000 >451	30,000	(12)30,000 <450	30,000	30,000
HCP-SR-S1	0	176(48)	8,000	0	83,000	MEQ
HCP-SR-S2	0	287(62)	25,000	0	83,000	MEQ
HCP-SR-S3	0	270 <60	23,600	0	72,000	4,000
HCP-SR-S4	0	220 <48	14,600	0	72,000	4,000
13114	0	864(104)	40,000	0	40,000	MEQ
13115	0	1,980(152)	40,000	0	40,000	MEQ
13116	0	4,727(222)	40,000	0	40,000	MEQ
99917	0	5,000(275)	0	0	5,000	5,000
1100HCP	0	0	810	0	10,000	MEQ
921HCP	0	0	0	0	9,000	MEQ
925HCP	0	0	0	0	4,500	MEQ
933HCP	0	0	0	0	4,500	MEQ

ATTACHMENT 5

FLIGHTLINE MUNITIONS HOLDING AREAS & 1200 AREA

Table A5.1. Flightline Munitions Holding Areas & 1200 Area

Flightline Munitions Holding Areas						
Facility	1.1	1.2.1 (MCE)	1.2.2	(xx) 1.2.3(LSRN)	1.3	1.4
82001	22,000	20000(410)	20,000	20000(410)	30,000	MEQ
82002	280	832<99	20,000	(06)20,000<203	20,000	20,000
1200 Area						
Facility	1.1	1.2.1 (MCE)	1.2.2	(xx) 1.2.3(LSRN)	1.3	1.4
1270	750	80(<33)	800	0	5,400	4,000
1274	420	3000(<187)	20,000	0	20,000	20,000
1275	680	3000(<187)	20,000	0	20,000	20,000
1276	1,000	3000(<187)	20,000	0	20,000	20,000
1277	1,500	3000(<187)	20,000	0	20,000	20,000
1278	2,000	2500(<175)	20,000	0	20,000	20,000
1279	2,800	2500(<175)	20,000	0	20,000	20,000
1270PAD	10,000	394(<394)	20,000	(05)20,000 (<450)	20,000	MEQ

ATTACHMENT 6
AREA G & ARMY FACILITIES

Table A6.1. Area G & Army Facilities

Area G						
Facility	1.1	1.2.1 MCE	1.2.2	(xx) 1.2.3 LSRN	1.3	1.4
15015	66,000	500,000>450	500,000	(13)500,000≤450	200,000	MEQ
15017	100,500	500,000>450	500,000	(13)500,000≤450	463,000	MEQ
15019	145,000	500000>450	500,000	(13)500,000≤450	500,000	MEQ
15031	53,250	331≤99	500,000	(13)500,000≤99	167,500	MEQ
15033	82,250	500,000>450	500,000	(13)500,000≤450	373,900	MEQ
15035	122,500	500,000>450	500,000	(13)500,000≤450	500,000	MEQ
15037	148,750	500,000>450	500,000	(13)500,000≤450	500,000	MEQ
15039	153,750	500,000>450	500,000	(13)500,000≤450	500,000	MEQ
15049	59,500	500,000>450	500,000	(13)500,000≤450	236,000	MEQ
15051	95,750	500,000>450	500,000	(13)500,000≤450	354,250	MEQ
15053	140,500	500,000>450	500,000	(13)500,000≤450	359,000	MEQ
15055	153,000	500,000>450	500,000	(13)500,000≤450	445,000	MEQ
15097	75,000	500,000>450	500,000	(13)500,000≤450	390,000	MEQ
1560	0	0	0	0	0	MEQ
1561	0	0	0	0	0	MEQ
1562	0	0	0	0	0	MEQ
1563	0	0	0	0	0	MEQ
1565	0	0	0	0	0	MEQ
1556	140,500	500,000>450	500,000	(13)500,000≤450	500,000	MEQ
1564	20,250	500,000>450	500,000	(12)500,000≤414	211,962	MEQ
1578	68,500	500,000>450	500,000	(13)500,000≤450	500,000	MEQ
1579	170,300	500,000>450	500,000	(13)500,000≤450	500,000	MEQ
1580	24,750	500,000>450	500,000	(12)500,000≤450	169,479	MEQ
1502	98	0	0	(02)5,000≤33	5,000	MEQ
1525	4374	1933<31	30,000	(09)2000<240	5,000	5,000
1568	6797	10,000<99	10,000	(12)10,000<240	10,000	10,000
82206	1000	500<83	26,205	(05)507<83	50,000	50,000
1527	7,400	4,500≤47	180,000	(03)180,000≤47	167,000	MEQ
82006B	10,000	5,000≤99	5,000	(07)5,000≤100	5,000	MEQ
Army Heavy Drop, Highline, and PAHA (Note 3, 4 and 5)						
Facility	1.1	1.2.1 (MCE)	1.2.2	(xx) 1.2.3(LSRN)	1.3	1.4
1204	10,000	3,000<175	20,000	0	2,000	3,000
12041	10,000	3,000<175	20,000	0	2,000	3,000
1446	0	0	0	0	0	5,000

ATTACHMENT 7
COMPENSATORY MEASURES

Table A7.1. Compensatory Measures, Part 1

Compensatory Number	FACILITY	EXPOSED SITE	Specific Measures/Actions To Be Taken
Aviano-14-CM01	82006B	1568	When 82006B is used 1568PAD HD 1.1 NEW will be reduced to 27,994 lbs. NEWQD
Aviano-14-CM02	82006B	1564	When 82006B is used ECM 1564 HD 1.3 NEWQD will be limited to 27,994 lbs.
Aviano-14-CM03	82006B	1568PK2	When 82006B is used 1568PK2 will contain no inert items
Aviano-14-CM04	82006B	1580	When explosives are present on 82006B, 1580 HD 1.1 and 1.3 will be limited to 11,000 lbs. NEWQD and 27,500 lbs. NEWQD respectively.
Aviano-14-CM05	82006B	15097	When explosives are present on 82006B the HD 1.3 in ECM 15097 will be limited to 394,000 lbs. NEWQD.
Aviano-14-CM06	82006B	82206	AGMS 82006B and 82206 will not be used concurrently
Aviano-16-CM01	8230	12042/12052	When HAS exceeds 2,100 lbs. of HD 1.1, exposed facilities will not be used.
Aviano-16-CM02	8250	12042/12052	When HAS exceeds 2,600 lbs. of HD 1.1, exposed facilities will not be used.
Aviano-16-CM03	8270	12042/12052	When HAS exceeds 500 lbs. of HD 1.1, exposed facilities will not be used.
Aviano-16-CM05	8270	886 Craig Road	When HAS exceeds 500 lbs. of HD 1.1, restrict exposed sections of Craig RD to related personnel only.
Aviano-16-CM06	8270	FW-10,T10, G2	When HAS exceeds 1,100 lbs. of HD 1.1, restrict use of FW-10, G2 and T10.
Aviano-16-CM07	8310	FW-8/T8	When HAS exceeds 1,100 lbs. of HD 1.1, restrict use of FW-8 & T-8.
Aviano-16-CM08	8310	886 Craig Road	When HAS exceeds 500 lbs. of HD 1.1, restrict exposed sections of Craig RD to related personnel only.
Aviano-16-CM09	8310	12042/12052	When HAS exceeds 1,200 lbs. of HD 1.1, exposed facilities will not be used.
Aviano-16-CM10	8310	1334	When HAS exceeds 2,100 lbs. of HD 1.1, exposed facility will not be used.
Aviano-16-CM11	8320	T29A-PEX	When HAS exceeds 988 lbs. of HD 1.1, T29A will not have explosive loaded aircraft present.

Table A7.2. Compensatory Measures, Part 2,

Compensatory Number	FACILITY	EXPOSED SITE	Specific Measures/Actions To Be Taken
Aviano-16-CM12	8360	886 Craig Road	When HAS exceeds 500 lbs. of HD 1.1, restrict exposed sections of Craig RD to related personnel only.
Aviano-16-CM13	8370	886 Craig Road	When HAS exceeds 500 lbs. of HD 1.1, restrict exposed sections of Craig RD to related personnel only.
Aviano-16-CM14	8370	Group PLT	When HAS exceeds 500 lbs. of HD 1.1, restrict exposed sections of exposed parking lots to related personnel only.
Aviano-16-CM15	8370	1334	When HAS exceeds 1,100 lbs. of HD 1.1, exposed facility will not be used.
Aviano-16-CM16	8380	T24-PEX	When HAS exceeds 1,299 lbs. of HD 1.1, T24 will not have aircraft present.
Aviano-16-CM17	8380	T28-PEX	When HAS exceeds 3,777 lbs. of HD 1.1, T28 will not have aircraft present.
Aviano-16-CM18	8380	1334	When HAS exceeds 1,500 lbs. of HD 1.1, exposed facility will not be used.
Aviano-16-CM19	8410	886 Craig Road	When HAS exceeds 500 lbs. of HD 1.1, restrict exposed sections of Craig RD to related personnel only.
Aviano-16-CM20	8410	PLT 964	When HAS exceeds 500 lbs. of HD 1.1, restrict exposed sections of exposed parking lots to related personnel only.
Aviano-16-CM21	8410	Group PLT	When HAS exceeds 500 lbs. of HD 1.1, restrict exposed sections of exposed parking lots to related personnel only.
Aviano-16-CM22	8440	1447	When HAS exceeds 2,584 lbs. of HD 1.1, no training will be conducted at exposed facility.
Aviano-16-CM23	1270	12004	EOD Range will not be used when Bldg. 1270 contains HD 1.1 or 1.2.x munitions.
Aviano-16-CM24	800A	EOD Area	EOD Range will not be used when 800A has any 1.1 or 1.2.x present
Aviano-16-CM25	800B	EOD Area	EOD Range will not be used when 800B has any 1.1 or 1.2.x present
Aviano-16-CM26	800C	EOD Area	EOD Range will not be used when 800C has any 1.1 or 1.2.x present
Aviano-16-CM27	12041	EOD Range HLD Pads	EOD range hold pads won't be in use when 1.1 or 1.2.1 are present at 12041
Aviano-16-CM28	1204	EOD Range Area	EOD range or holding pads won't be in use when 1.1 or 1.2.1 are present at 1204

Table A7.3. Compensatory Measures, Part 3

Compensatory Number	FACILITY	EXPOSED SITE	Specific Measures/Actions To Be Taken
Aviano-16-CM29	12004/12004C	1204PV1	When EOD range is use 1204PV1 won't be in use.
Aviano-16-CM30	12004/ 12004A/B/C	1204PV2	When EOD range is use 1204PV2 won't be in use.
Aviano-16-CM32	7830	ZCAPA A	When HAS 7830 exceeds 100 lbs. 1.1 Z-CAPA spot A will be empty
Aviano-16-CM34	7910	866 Craig Road	When HASs exceeds 263 lbs. 1.1 affected parts of Craig RD will be restricted to related personnel only.
Aviano-16-CM35	7930	866 Craig Road	When HASs exceeds 263 lbs. 1.1 affected parts of Craig RD will be restricted to related personnel only.
Aviano-16-CM36	7930	Zulu CAPA 3	When HASs exceeds 3,658 lbs. 1.1 CAPA 3 will not be used for aircraft parking
Aviano-16-CM37	7960	866 Craig Road	When HASs exceeds 3,319 lbs. 1.2.1 affected parts of Craig RD will be restricted to related personnel only.
Aviano-16-CM38	7970	866 Craig Road	When HASs exceeds 263 lbs. 1.1 affected parts of Craig RD will be restricted to related personnel only.
Aviano-16-CM39	7970	Zulu CAPA 1	When HASs exceeds 3,276 lbs. 1.1 CAPA 1 will not be used for aircraft parking
Aviano-16-CM40	7990	866 Craig Road	When HASs exceeds 263 lbs. 1.1 affected parts of Craig RD will be restricted to related personnel only.
Aviano-16-CM42	8010	Zulu Pad A-F	When HAS 8010 exceeds 2,644 lbs. 1.1 Z-CAPA spot C will be empty When HAS 8010 exceeds 1,204 lbs. 1.1 Z-CAPA spot D will be empty When HAS 8010 exceeds 892 lbs. 1.1 Z-CAPA spot E will be empty When HAS 8010 exceeds 818 lbs. 1.1 Z-CAPA spot F will be empty
Aviano-16-CM43	12041	Zulu Pad A-F	When 12041 exceeds 19,492 lbs. HD 1.1, Zulu Pad spot E will be empty. When 12041 exceeds 16,733 lbs. HD 1.1, Zulu Pad spot F will be empty.
Aviano-16-CM45	1182	Sierra 82 CAPA A-D	When HAS 1182 1.1 limits exceed 698 lbs. Sierra CAPA Spot A will be empty When HAS 1182 1.1 limits exceed 3,000 lbs. Sierra CAPA Spot B will be empty

Table A7.4. Compensatory Measures, Part 4

Compensatory Number	FACILITY	EXPOSED SITE	Specific Measures/Actions To Be Taken
Aviano-16-CM46	1183	Sierra 82 CAPA A-D	When HAS 1183 1.1 limits exceed 5,305 lbs. Sierra CAPA Spot B will be empty When HAS 1183 1.1 limits exceed 5,937 lbs. Sierra CAPA Spot C will be empty
Aviano-16-CM47	1183	886 Craig Rd	When HAS exceeds 3,449 lbs. of HD 1.1, restrict affected sections of Craig RD to related personnel only.
Aviano-16-CM48	1190	Sierra 92 CAPA D	When HAS 1190 1.1 limits exceed 1,814 lbs. S92 CAPA Spot D will be empty
Aviano-16-CM49	1191	886 Craig Rd	When any 1.1 is present at HAS 1191 affected parts of Craig RD will be restricted to related personnel only.
Aviano-16-CM50	1192	Sierra S92 CAPA A-D	When HAS 1192 1.1 limits exceed 985 lbs. S92 CAPA Spot A will be empty When HAS 1192 1.1 limits exceed 3,117 lbs. S92 CAPA Spot B will be empty
Aviano-16-CM51	1193	886 Craig Rd	When HAS 1193 exceeds 500 lbs. of 1.1, 213 lbs. <53 of 1.2.1 or any 1.2.3 affected parts of Craig RD will be restricted to related personnel only.
Aviano-16-CM52	1195	886 Craig Rd	When HAS 1195 exceeds 500 lbs. 1.1 affected parts of Craig RD will be restricted to related personnel only.
Aviano-16-CM 53	1204	886 Craig Rd	Affected areas of road will be restricted to related personnel when 1.1,1.2.1, 1.2.2 or 1.3 explosives are present
Aviano-16-CM54	12041	886 Craig Rd	Affected areas of road will be restricted to related personnel when 1.1,1.2.1, 1.2.2 or 1.3 explosives are present
Aviano-16-CM55	1188	1542	Parking lot will be vacant when explosives are present at 1188
Aviano-16-CM56	82206	82006B	AGMs won't be used concurrently. Additionally no IST will be allowed 82006B within 50' of 82006.
Aviano-16-CM57	1525	1500	When 1.2.3 items are undergoing maintenance in 1525 all personnel not performing gaud duties will be relocated from 1500.