

6-1 PURPOSE: To outline Air Defense Activities at CMTC, and describe Air Defense requirements and restrictions.

6-2 DIVISION EARLY WARNING (DEW) NET: Rotational units will receive warnings from the HICON G3 Air only in the form of ADW/LADW reporting: White / Snowman, Yellow / Lookout, or Red / Dynamite. Actual radar tracking of rotary wing assets in the box is the responsibility of BLUFOR ADA assets.

6-3. ACTIVE AND PASSIVE

a. **ACTIVE AIR DEFENSE.** A valid engagement is determined when the gunners acquire, track and properly fire the weapon system at the target when within range. Gunners must have operational systems to be able to engage. Linebackers, BSFVs, MANPADS and Avenger systems must fire the designated blue marked ATWESS cartridge to achieve a valid engagement. The maximum effective range of the Stinger MILES is 5000m. The BSFV main gun maximum effective range is 2000m. OC's will replicate the firing of an ADA weapon system with a white star cluster when available.

b. **PASSIVE AIR DEFENSE.** Passive air defense measures are monitored by both air defense OCs and maneuver Co/Tm OCs. Use of passive air defense measures such as obscuration, dispersion and other limiting measures impact on the assessment of BDA during air attacks.

6-4 AIRCRAFT

a. **ROTARY WING.** The OPFOR Currently utilize the UH-1 painted in a camouflage pattern to replicate the MI-24HIND-F. Types of BLUFOR RW are based on EUCOM Reg 350-50 and approved troop list.

b. **FIXED WING.** BLUFOR and OPFOR fixed wing Aircraft are based upon availability. All services routinely support both red and blue forces with CAS. FW aircraft are not MILES equipped will be assessed by Bullseye O/Cs. (See 6-6 **NON-MILES GROUND TO AIR ENGAGEMENTS (CAS):**)

6-5 MILES/AGES II ENGAGEMENTS:

a. MILES/AGES (or AGES II, when fielded) must be operational and must be used for a successful engagement (i.e., the ATWESS cartridge must be fired and the FLASHWESS must be operational for a valid engagement).

b. The Avenger is replicated by the Avenger force-on-force trainer (FOFT) MILES system.

c. AVENGER engagements will be determined IAW MILES engagements against MILES/AGES (AGES II) equipped aircraft. Against non-MILES/AGES (AGES II) equipped aircraft, engagements will be determined IAW Paragraph 6-4 (below).

d. An O/C will simulate the launch of SAMs from the Avenger system using white star clusters.

6-6 NON-MILES GROUND TO AIR ENGAGEMENTS (CAS):

a. Non-MILES engagements are evaluated based on the level of air defense against the appropriate attacking aircraft.

b. Combined Arms for Air Defense (CAFADs): One half or more of a company/team available small arms/automatic weapons must be fired toward the aircraft to constitute a valid engagement.

c. BLUFOR AD weapons fire is limited to the ATWESS simulators (STINGER) or paper replicated ammunition available, as outlined in Chapter 8, Combat Service Support.

6-7 ASET IV (AERIAL SURVIVABILITY EQUIPMENT TRAINER):

All rotational aircraft must emit (squawk) Identify Friend Foe (IFF) code during operations at CMTC IAW HFCA, HAAF SOP and the HTA APG. IFF code allows ASET-IV radar system to track aircraft. Aircraft that do not squawk Mode III code during missions in the box will be assessed as destroyed.