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Flying Operations

***AERIAL DEMONSTRATIONS/STATIC
DISPLAYS***

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This pamphlet implements Air Force Policy Directive (AFPD) 11-2, *Aircraft Rules and Procedures* and AFI 11-2C-17 Vol 3, Chapter 10, *C-17 Operations Procedures*. It establishes the procedures to standardize aerial demonstration for crewmember's training and upgrade processes. This applies to all crewmembers assigned to the 446th Airlift Wing (446 AW).

1. Crew Section . Commanders will select individuals who are highly qualified to perform the tasked event. In addition, crewmembers should be selected on the basis of military bearing and ability to communicate with the public. Commanders will select a maximum of three aerial demonstration aircraft commanders. Aerial demonstration aircraft commanders will be instructors or above. There is no limit on the number of copilots, safety observers and loadmasters however; commanders should select copilots and/or safety observers who have the skills to eventually upgrade to aerial demonstration aircraft commander.

2. Training Program:

2.1. Aerial demonstration aircraft commander candidates will review AFI 11-2C-17V3, *C-17 Operations Procedures*, AFI 11-209, *Air Force Participation in Aerial Events*, AFI 11-401 *Flight Management*, AMCI 11-208, *Tanker/Airlift Operations*, and AMC approval procedures for aerial demonstrations with a 446th Operations Group (446 OG) certified aerial demonstration check pilot. The candidate will then perform in the aircraft, as a minimum, both profiles approved by the Air Mobility Command Director of Operations (AMC/DO) (air-to-ground [10-minute profile] and ground-to-ground [12-minute profile]) to a 446 OG aerial demonstration check pilot. All 446 OG aerial demonstration check pilots will be designated by the 446 OG Commander (446 OG/CC). Only these designated pilots are allowed to check out aerial demonstration aircraft commander candidates. 446 AW Commander must approve approval for demonstration training at all locations. Exception: Proficiency profiles conducted in conjunction with an AMC/DO approved airshow, provided all

required crew members are current and qualified, the profile is conducted at the same airfield and the proficiency profile was contained in the AMC/DO approval staff summary package.

2.2. Aerial demonstration copilot and/or safety observer candidates will review AFI 11-2C-17V3, AFI 11-209, AFI 11-401, AMCI 11-208 and AMC approval procedures for aerial demonstrations with a 446 OG certified aerial demonstration check pilot. The candidate will perform copilot/safety observer duties during, as a minimum, both AMC/DO approved profiles to an aerial demonstration qualified check pilot. Approval for demonstration training at all locations must be approved by 446 AW/CC. Exception: Proficiency profiles conducted in conjunction with an AMC/DO approved air show, provided all required crew members are current and qualified, the profile is conducted at the same airfield and the proficiency profile was contained in the AMC/DO approval staff summary package.

2.3. Loadmasters do not require any additional training prior to performing loadmaster duties during an aerial demonstration. Aircraft commanders will thoroughly brief the loadmaster prior to performing loadmaster duties during any aerial demonstration profile.

2.4. Certification Requirements. Pilot and Copilot aerial demonstration candidates require a Review and Certification Board, chaired by the Operations Group Commander or his designate. A certification entry will be made on the individuals AF Form 1381, **USAF Certification of Aircrew Training**.

3. Aircraft Commander Briefing . Prior to home station departure, the aircraft commander(s) will accomplish the following:

3.1. Review and comply with AFI 11-209 (obtain a copy from Current Operations).

3.2. Receive a briefing on the event requirements from the scheduling office of primary responsibility (OPR) (i.e., Tactics, Current Operations, Training and Special Operations). This briefing will cover, as a minimum, Operational Risk Management (ORM), AMC/DO aerial demonstration approval, latest aerial demonstration profiles (446 OG/OGV briefed) and an air shows point of contact.

3.3. Aircraft commanders will brief as a minimum required copilot, safety observer and loadmaster duties for the aerial demonstration.

4. Aerial Demonstration Restrictions:

4.1. Aerial demonstrations require AMC/DO approval. As a rule, an aerial demonstration is any event that exceeds a straight and level, single-ship with a maximum of two passes. (Reference AFI 11-209/AMC1, para 6.2.1). An aerial demonstration includes weapons, tactics, assault landing, assault take-off, container delivery service (CDS)/ equipment/personnel drops, in-flight refueling.

4.2. Aerial demonstration crews (pilot, copilot, and safety) that have not practiced as an integral crew will not perform at an actual air show without 446 OG/CC approval.

4.3. Aerial events will not be flown without specific approval of the 446 AW/CC.

4.4. The Standard Evaluation Section (446 OG/OGV) manages the Aerial Demonstration Program. Aerial demonstration profiles will not be changed without prior approval from 446 OG/OGV or AMC/OGV.

4.5. Weather. At least 2,500 feet ceiling and 5 statute miles visibility. Terrain and the nature of the event may dictate higher minimums.

- 4.6. Minimum Altitude. 1,000 feet above ground level (AGL) for formation; 1,000 feet AGL for single aircraft over congested areas, 500 feet over non-congested areas.
- 4.7. Maximum Speed. 250 KCAS (300 KCAS with Federal Aviation Administration (FAA) waiver and AMC/DO approval) or V^{mma} , whichever is higher.
- 4.8. Maneuvers. Aerial reviews and fly-bys are not intended to demonstrate the performance limits of the aircraft. Aircraft commanders will operate the aircraft in accordance with (IAW) flight manual procedures. In no case will an aircraft commander respond to an impromptu request for changes to the program, which would result in the execution of maneuvers not previously briefed by Current Operations or approved by OG/CC.
- 4.9. Refer to AFI 11-209 for additional restrictions.

5. Static Display:

- 5.1. Aircrews will prepare aircraft IAW Technical Order (TO) 00-80G-27, *Make Safe for Static Display C-17A*. A copy is maintained in the aircraft TO container.
- 5.2. Crewmembers will ensure guests do not tamper with aircraft components, smoke on or near the aircraft or leave behind FOD.
- 5.3. If side emergency escape hatches are removed for lighting and ventilation, install the nylon safety straps at each open exit.
- 5.4. If unable to comply with the above requirements or AFI 11-209, restrict access to the cargo compartment or 10 feet away from the aircraft.
- 5.5. Static display signs on the aircraft. Aircrews will ensure the signs are displayed IAW AFI 11-209.

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Commander