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**Safety**

**MID-AIR COLLISION AVOIDANCE (MACA)  
PROGRAM**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This instruction implements AFD 91-2, *Safety Programs*. This instruction establishes the 436 AW Mid-Air Collision Avoidance (MACA) Program and applies to 436 OSS/CC, 436 OSS/OSA, 436 AW/SE, 512 AW/SE and 436 SVS/SVRA. Our goal is to reduce the mid-air collision potential for Dover AFB aircraft through an aggressive program of information cross-flow between the local military and civilian aviation communities. The program ensures Dover AFB aircrews maintain a high level of awareness of the mid-air collision potential inherent in the performance of their worldwide mission.

**1. The 436 OSS/CC will:**

- 1.1. Assist air traffic controllers in resolving potential mid-air collision problems.
- 1.2. Assist in bringing potential mid-air collision problems to the attention of 436 AW/SE.

**2. The 436 OSS/OSA will:**

- 2.1. Annually prepare and brief MACA to 436AW and 512 AW aircrews during a Flight Safety meeting. The briefing will include, but is not limited to:
  - 2.1.1. Local area civilian airports, heliports and associated traffic patterns.
  - 2.1.2. Local area routes, VFR training areas and altitudes commonly used by general aviation aircraft.
  - 2.1.3. Local area crop dusting operations.
  - 2.1.4. Military training routes and aircraft traversing local airspace.
  - 2.1.5. Air traffic control services and priorities.
- 2.2. Upon request, provide a briefing for civil pilot groups and/or other general aviation organizations visiting Dover AFB. The briefing will include the following, as appropriate:

- 2.2.1. Dover airspace boundaries, traffic patterns, arrival and departure routes and local high-density airways.
- 2.2.2. Military training routes and aircraft traversing local airspace.
- 2.2.3. Air traffic control services and priorities.
- 2.2.4. "See and avoid" concept and appropriate clearing techniques.
- 2.2.5. Importance of filing flight plans and using radar advisory service.
- 2.2.6. C-5 aircraft characteristics.
- 2.2.7. Heavy aircraft wake turbulence.

2.3. Assist 436 AW/SE prepare informational MACA material for local flying community distribution.

2.4. Participate in visits to civilian airports and other local area aviation organizations.

2.5. Inform the Commander, 436th Operations Support Squadron (436 OSS/CC) and the Chief, Wing Safety (436 AW/SE) of any mid-air collision potential problems. These problems will be resolved as quickly as possible and, if necessary, be formally addressed at the Airfield Operations Board meetings.

2.6. Assist 436 AW/SE in investigating hazardous air traffic reports involving 436 OSS procedures, 436 AW aircraft or personnel. Preserve the appropriate recorded communications, documents and names of individuals involved.

**3. Jointly, the 436 AW/SE and 512 AW/SE will:**

- 3.1. Aid in the preparation of MACA briefings and ensure Dover AFB aircrews receive the briefing at least once per year during a quarterly Flight Safety meeting.
- 3.2. Maintain an up-to-date MACA pamphlet on the Dover AFB Safety website.
- 3.3. Participate in visits to civilian airports and other aviation organizations in the local area.
- 3.4. Ensure mid-air collision potential incidents are briefed at Flight Safety meetings.

**4. The 436 SVS/SVRA will:**

4.1. Brief Aero Club members on MACA at least once per year. The briefing will include, but is not limited to:

- 4.1.1. Dover airspace boundaries, various traffic patterns, arrival and departure routes and local high-density airways.
- 4.1.2. Military training routes and aircraft traversing local airspace.
- 4.1.3. Air traffic control services and priorities.
- 4.1.4. "See and avoid" concept and appropriate clearing techniques.
- 4.1.5. Importance of filing a flight plan and using radar advisory service.
- 4.1.6. C-5 aircraft characteristics.
- 4.1.7. Heavy aircraft wake turbulence.

4.2. Coordinate with 436 OSS/OSA and 436 AW/SE for assistance in preparation of the MACA briefing.

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Commander