

3e. Identify safety practices when working in the vicinity of propellers with at least 80% accuracy.

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- Overview

- CV-22 Osprey

- RQ-1 Predator

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- Reference for propeller safety is AFOSHSTD 91-100, Aircraft Flight Line – Ground Operations and Activity
- Two propeller aircraft for our career field – CV-22 Osprey and RQ-1 Predator

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- CV-22 Osprey

- Tilt-rotor or rotary wing aircraft

- Vertical take off and landing

- Rotor diameter 38 feet for each motor

- Safety Requirements

- Personnel and equipment clear of aircraft equal to its length during engine start

- Watch overhead blades – droop

- TO must be followed during engine run

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- CV-22 Osprey

- Safety Requirements

- Remain in full view of pilot
 - No unauthorized personnel within 50 feet
 - Exercise extreme caution during reduced visibility
 - Protective goggles & ear protection worn
 - Loose gear within 100 feet must be secured or removed
 - PPE required

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- RQ-1 Predator

- Unmanned Aerial Vehicle

- Single rear mounted propeller

- Serious injury or death upon contact with rotating propeller

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- RQ-1 Predator

- Safety Requirement

- Never enter the vicinity of the static arc of propeller
 - Never stand in line with the propeller's plane of rotation during engine operation
 - Safe direction to approach the aircraft to avoid propeller arc, intake, and exhaust areas
 - Wear appropriate PPE

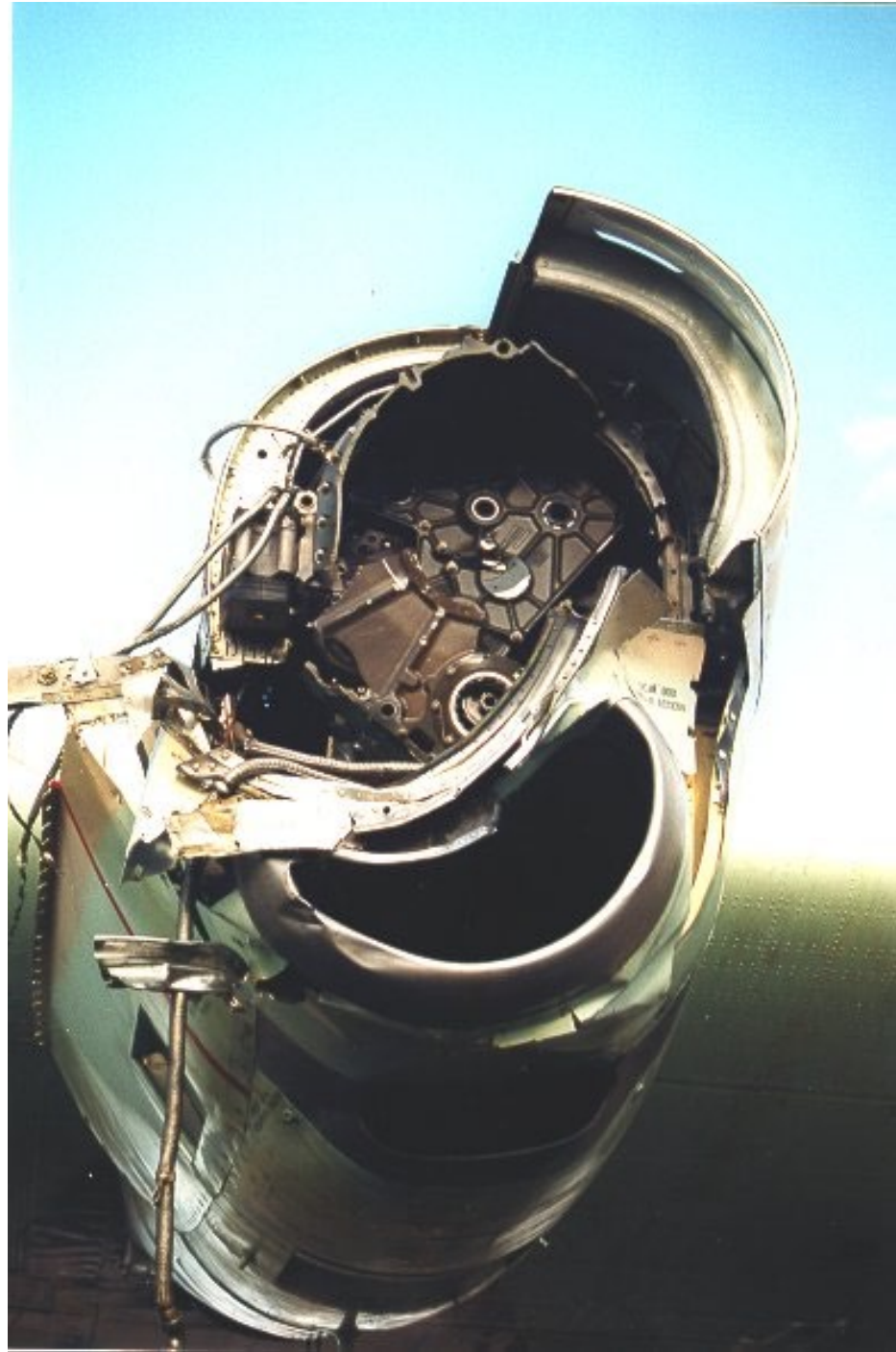
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- Know the specific safety procedures for the airframe
- Always be aware of your environment
- Complacency kills

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- Propeller Plane of Rotation

The #3 prop departed this C-130 and went all the way through the airplane and did some damage to the props and tanks on the left side.





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3e. Identify safety practices when working in the vicinity of propellers with at least 80% accuracy.

- Overview

- Rotating Propellers

- Complacency

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Complete exercise 3e