E-7 AIRBORNE EARLY WARNING AND CONTROL

An advanced battle management solution for the threats of the future
The Boeing AEW&C is a combat-proven weapon system providing powerful multidomain surveillance, communications, and networked battle management capabilities and interoperability that multiplies the effectiveness of existing forces.

With the Boeing AEW&C, you can see farther, communicate more effectively, and make faster and more informed decisions to achieve your mission objectives.

## Joint Force Multiplier

- **Air Defense**
- **Unmanned Aerial Vehicle**
- **Land Forces**
- **Maritime**
- **Theater Missile Defense**
- **Wideband Global SATCOM**
- **Air-to-Air Refueling**

## Aircraft Overview

- **Radar/Identification Friend or Foe Subsystem**
  - The 360-degree sensor coverage provided by the Northrop Grumman Multi-role Electronically Scanned Array (MESA) radar is fully compliant with international standards.

- **Mission Computing**
  - A single interface between multiple subsystems and the operator provides mission processing and display for the airborne mission segment.

- **Survivability**
  - Appropriate countermeasures respond to threats.

- **Electronic Support Measures**
  - Detection and geolocation of emitters within the required frequency range allow surveillance, target identification, and threat warning.

- **Communications**
  - The multiservice, interoperable, FAA-certified communications system is capable of supporting multiple security classifications of voice and data transfer.

## Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Airframe</td>
<td>737-700</td>
</tr>
<tr>
<td>IFF Range</td>
<td>300 nmi (555.6 km)</td>
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<tr>
<td>Maximum Ceiling</td>
<td>41,000 ft (12,496.8 m)</td>
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<tr>
<td>Range</td>
<td>3,500 nmi (6,482 km) unrefueled</td>
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<tr>
<td>Flight Crew</td>
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<tr>
<td>Mission Crew Consoles</td>
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