

The logo features a blue rounded square background. In the center, there is a white silhouette of a dove with its wings spread, holding an olive branch in its beak. The olive branch is depicted in a light green color. At the bottom of the square, the text "Essener Friedensforum" is written in a white, bold, sans-serif font.

Essener Friedensforum



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Joint Air and Space Power Conference 2022

11–13 October 2022

DIESE WOCHE







CYBERSPACE WARFARE: THE NEW FRONTLINE

By Lieutenant Colonel Matt Dowdy, 495 Air Operations Centre



Force Evolution

Capability



Airborne Early Warning Force

Single role:
Low level detection against
air attacks

- Single Task
- NATO defence / NATINADS
 - High Readiness Force
 - Deployable to pre-defined bases within NATO AOR

Airborne Early Warning & Control Force

- Multi Role
- Anti-air Warfare,
 - Naval Ops Support
 - Offensive Counter Air Coordination
 - Control Strike Packages

- Dual Task – stifled by:
- Processing power
 - Capability of mission system
 - Communications
 - Crew Limitations
- High Readiness Force
 - Deployable beyond NATO AOR
 - NATINADS + NRF + CJTF

Air Battle Management

- Multi Role
- Anti-air Warfare,
 - Naval Ops Support
 - Offensive Counter Air Coordination
 - Control Strike Packages
 - Command & Control
 - Tactical Battle Management Functions
 - Control air refuelling assets
 - AMC during SARCSAR
 - Airspace Management
 - Support to Ground Forces
 - Support to Special Ops
 - Consequence Mgmt
 - Embargo Ops

- Multi Task –
- Windows Based
 - 5 additional consoles (3-14)
 - Enhanced communications
- High Readiness Force
 - Deployable worldwide
 - Infrared Counter Measures
 - NATINADS + NRF + ?

Near Term Programme

Mid Term Programme





Figure 1

Air Power in Thematic Wars

Implications

Big War

Air Opponent
Air Control
Space Control
Supported/Supporting
Peer CC Liaison
AOSE/AI/CAS
AEW/DCA/OCA/SEAD
STRAT/OP/TAC INT
Single Mission
Down-threat basing

Long War

Ground Opponent
Airspace Control
Supporting
X-authority Liaison
CAS/AI
SEAD
TAC/OP/STRAT INT
Swing Mission
Up-threat basing

Contained War

Air Opponent
Air Control
Supported/Supporting
Peer CC Liaison
AI/AOSE/CAS
AEW/SEAD/OCA/DCA
OP/TAC/STRAT INT
Swing Mission
Near-threat basing

Joint Air & Space Power
Conference

09th - 11th
October
2012

Warfare
in the 21st Century



Conference

08th - 10th
October
2013

Air Power
Post
Afghanistan









Doolittle Series Multi-Domain Operations

Course of Air University Press, 2022
for Doctrine Development and Publications

With thanks to the Director
of Summary of the Joint Force
Operations.

A Table Top Exercise to Explore Multi-Domain Warfighter Core

The Doolittle Series (2021) is
the United States Air Force
conducted to improve combat
between forces in support of the
force. The event featured a 3-day
exercise, Air University and the

Three teams were assembled with
cyber, space, electromagnetic, and
other, legal, and Air Force special
parts from the Royal Air Force and



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