




International Civil Aviation Organization

**NAM/CAR/SAM
Civil/Military Cooperation
Seminar/Workshop
Lima
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**Circular 330-AN/189 Civil/Military
Cooperation in Air Traffic Management**


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18 August 2011 Circular 330-AN/189 Civil/Military Cooperation in Air Traffic Management— 1

Guidance Material Rationale



- Growing demand x finite capacity
- State responsibility
 - Civil aviation impact on the global economy and environment
 - Obligations to national/international security and defense
- Enhance civil-military cooperation and coordination

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ICAO Guidance Material - Circular 330-AN/189

- Institutional and regulatory framework
- Civil/Military Interoperability
- Airspace organization and management
- ATM Security and ATM in crisis situation
- State aircraft operations
- Summary - Civil-military Collaboration a global challenge
- Appendices: Best Practices of Civil-military cooperation

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Interoperability

- Interoperability can be considered as the ability of “systems” (not exclusively technical systems) to provide information and services to, and accept information and services from, other systems and to use the information and services so exchanged.
 - Strategic and/or Political Interoperability
 - Operational and Technical Interoperability
 - Regulation and Standardization

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Interoperability

- Strategic and/or Political Interoperability

Source: Brazilian presentation to the Global Forum

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Airspace Organization and Management

- Flexible use of airspace (FUA) is an airspace management concept based on the principle that **airspace should not be designated as purely civil or military, but rather as a continuum in which all user requirements are accommodated to the greatest possible extent.**

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Airspace Organization and Management

- FUA concept - flexible and adaptable airspace structures
 - Conditional routes
 - Temporary reserved area (TRA)
 - Temporary segregated airspace (TSA) and
 - Cross-border area (CBA).

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Airspace Organization and Management

- Collaborative Decision Making (CDM) could be defined as the process whereby all ATM decisions, except tactical ATC decisions, are based on sharing of all information relevant to air traffic operations between all civil and military partners.

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ATM Security and ATM in crisis situation

- **ATM security**
 - Safeguarding of the ATM system from security threats and vulnerabilities
 - Contribution of the ATM system to civil aviation security, national security and defence, and law enforcement.
- **ATM in crisis situation**
 - Unforeseen or short-notice situations that occur outside the steady state of the routine global ATM system (for example: earthquakes, hurricanes, conflicts).

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ATM Security and ATM in crisis situation


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State Aircraft Operations

- **State Aircraft**
 - In accordance with the Chicago Convention, Article 3 (b), "Aircraft used in military, customs and police services shall be deemed to be State aircraft"

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State Aircraft Operations



Common Interests

Safety

Efficiency


Security

User preferred routing

On time departure/arrival

No duplication or unnecessary equipage

Constant descent to landing



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State Aircraft Operations



...but they are different

FULLY-COMPLIANT OPERATIONS

PARTIALLY-COMPLIANT OPERATIONS



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Summary



- This circular was prepared by civil and military experts and offers guidance on and examples of successful practices for civil and military cooperation.


TRUST

Mutual Understanding Collaboration

Good Communication



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Thanks/Muchas gracias

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