



Civil Military Cooperation

Aon Al-Garni

General Manager

ATM/ANS/GACA/KSA



Preview

Civil Military Cooperation 1

- Peace and stability are essential preconditions for social and economic development,
- Mutual trust and confidence on respective roles and responsibilities are the principal requirements for a collaborative civil-military cooperation effort,
- Safety, security and efficiency are common civil and military values.



Preview

Civil Military Cooperation 2

- Efficiency for civil aviation means more capacity – less delays - Direct routes - short times,
- Efficiency for the military aviation means mission effectiveness – during peace time through crisis – and realistic training - but equally more capacity, less delays,
- Save costs and less fuel burn (emissions) for all airspace users.



Preview

Civil Military Cooperation 3

- Civil-military cooperation is necessary at national, regional and international levels
- Airspace is a continuum and a common limited resource for all civil and military airspace users.
- Wide awareness and application of flexible use of airspace principles are a good common basis for civil-military ATM coordination.



Preview

Civil Military Cooperation 4

- Civil-military interoperability is essential to optimize safe and efficient use of airspace for the benefit of all users.
- Operational, technical and financial constraints preventing the reduction of the interoperability gaps must be duly addressed by the aviation community as a whole.



Flexible Use of Airspace (FUA)

- The FUA Concept allows the maximum shared use of airspace through enhanced civil/military co-ordination.
- The application of the FUA Concept is to ensure that any airspace segregation is temporary and based on real use for a specified time period.



The needs for Civil/Military Cooperation

- Civil/Military Cooperation is needed to increase user flexibility and maximize operating efficiencies of airspace order to:
 - ✓ Increase Traffic and system capacity,
 - ✓ Improve safety levels in joint use airspace
 - ✓ Minimize ATC Controllers work load



STRATEGIC PLANNING BENEFITS

- Strategic planning using the appropriate tools will enhance airspace capacities and airports to cater for traffic growth.
- Planning tools
 - CNS/ATM systems as:
 - RNP/RNAV, RVSM.
 - RNAV SIDs and STARS
 - Radar separation.
 - Advanced systems and improved training.



CIVIL MIL COOPERATION

- To fulfill the following:
 - Mutual use of available facilities
 - National security to defend the country
 - Full coordination during peace and war times
 - Organize and re-structure national airspace to fulfill Civil and Mil requirements
 - Prepare contingency plans and exchange training expertise
 - Full coordination during Hi-Jacks and SAR ops
 - Exchange information as appropriate



COOPERATION BENEFITS

- To cater for:
 - Traffic growth.
 - Income improvement.
 - Airspace capacity improvement.
 - Harmful emissions reduction.
 - controllers workload reduction .
 - Airlines fuel cost reduction.
 - Competition



Conclusion

- Airspace should no longer be designated as "civil" or "military" and be allocated according to user requirements.
- The FUA Concept allows the maximum shared use of airspace through enhanced civil/military coordination.
- Increase system capacity and Improve safety levels in the future air traffic management system
- Reduced Cost and missions



Working Together Is the Key For Civil/Military Global Harmonization

