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دولة الامارات العربية المتحدة
الهيئة العامة للطيران المدني
UAE General Civil Aviation Authority



Strengthening Civil/Military Cooperation in SAR Services

Brian Day

UAE GCAA

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Military authorities well suited to SAR

- Trained, disciplined personnel,
- Specialized equipment
- In-house regulatory systems,
- Training regimes, and
- SAR aircraft and vessels



There is more to SAR than flying missions

SAR needs:

- regulation
- legislation,
- organisation,
- management
- planning,
- documentation and
- coordination.



Coordination in RCCs includes:

- Gathering of intelligence,
- Determination of search areas
- Tasking of sea and aircraft
- Development of rescue plans
- Assurance of safety of SAR craft while implementing plan for saving casualties.





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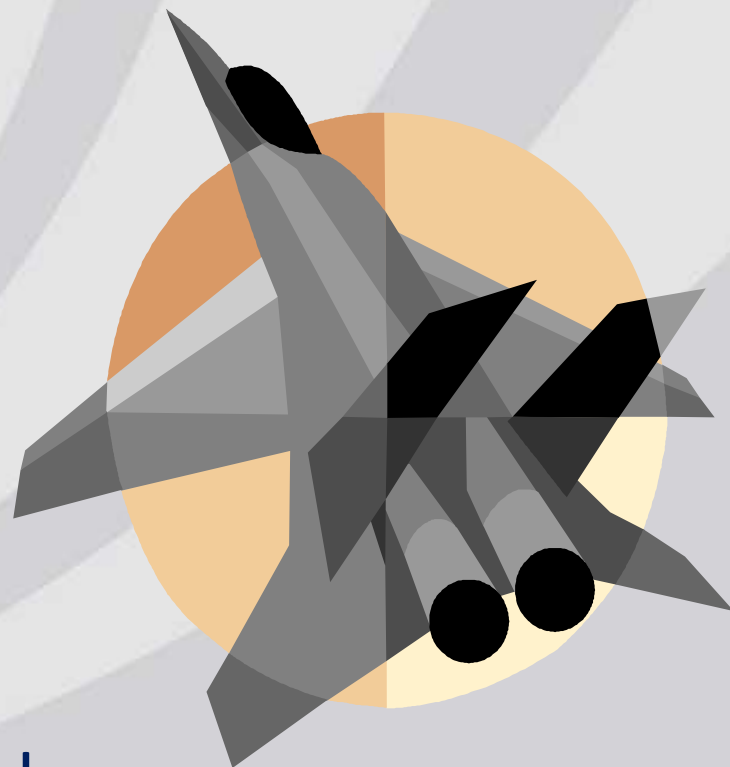
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Proficiency requires:

appropriate

- Skills
- Knowledge, and
- Attitudes
- Military operations require a close respect for rank and authority for necessary issuance and unquestioned obedience of orders.



Civil attitudes

Civil SAR services are dependent on incremental use of shared resources and require development of attitudes of

- mutual dependence
- voluntarism
- a willingness to respond in life-saving endeavour.



AUTHORITY GRADIENTS

- Military authority is based on rank



- Civil authority is based on function





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Military crews can be uncomfortable being tasked by civil coordinators



What they can dislike is
“command and control”
by civilians

What they can expect is

- tasking that respects all operational data and, especially,
- safety prerogative of the pilot-in-command



The military can be concerned about security

- The military can be concerned about the performance of their craft being made known to civil SAR planners.
- Civil SAR planners don't need to know any more than military capacity/ability to accomplish the task – security need not be compromised.
- Basis of military input to civil SAR:
- **Not to interfere; Opportunity basis; Agreed terms**

Military RCCS tasking civil aircraft

- SAR operations can be hazardous.
- Civil pilots look for application of civil aviation standards to safeguard their flights.



International Aeronautical and Maritime SAR (IAMSAR) Manual

- Joint publication of ICAO and IMO;
- Widespread acceptance in aviation/maritime/civil/military SAR providers;
- Comprehensive document in three volumes;
- Outstandingly successful in bridging civil/military divide
- Strongly recommended as mainstay of management, coordination and field missions.



Auditing civil SAR when provided by the military

- Military bases are secure;
- Military aircraft performance is classified;
- Civil SAR is likely only one of many functions provided by the military RCC;
- But Chicago Convention is the benchmark for civil SAR audit;
- How can civil auditors operate?



An audit solution

Legislation that requires civil aviation SAR to comply with Annex 12 to Chicago Convention, and that requires the military SAR provider to establish a **QUALITY SYSTEM** that can be readily audited externally



In conclusion

- Close appreciation of others' responsibilities
- Cultures
- Attitudes
- Procedures
- empathy
- Civil SAR training for military SAR personnel;
- Awareness of military practices for civil SAR staff;
- Annex 12;
- Quality system;
- IAMSAR manual.

