SERBIAN AIR FORCE & AIR DEFENSE (SAFAD)

SEARCH AND RESCUE SERVICE

briefer:

air force colonel-pilot
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AGENDA:

• SAFAD MISSION AND PRIORITIES
• SAFAD SAR HELICOPTERS
• SAFAD SAR SERVICE ORGANIZATION
• TASKS OF SAFAD SAR SERVICE
• PLACE AND ROLE OF SAFAD SAR SERVICE IN NATIONAL SAR SYSTEM
  ✓ Regulations
  ✓ Tasks
  ✓ SAFAD SAR Service Area
  ✓ SAFAD SAR Units
• ALERTING PROCEDURES
• SAFAD & CAD SAR ACTIVITIES
• FUTURE COOPERATION OPPORTUNITIES
SAFAD MISSION

...provide necessary capacity and capabilities for:

- Control and protection of Serbian airspace
- Air Force support to Armed forces
- Support to civilian authorities

Tasks:

- SAR
- MEDEVAC
- CASEVAC
- Airborne fire-fighting
- .....

17.10.2019

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SAFAD SAR HELICOPTERS

Mi-17
SAFAD SAR HELICOPTERS

Mi-8
SAFAD SAR HELICOPTERS

SA 341/342 GAZELLE
SAFAD SAR HELICOPTERS

AIRBUS H-145M
SAFAD SAR HELICOPTERS

H145M First delivery to Serbia
SAFAD
SAR SERVICE TASKS
PRIMARY:

• Search and Rescue for SAFAD needs.

• Combat Search and Rescue operations.

• Search and Rescue for civilian aviation authorities (Part of the SAR System of Republic of Serbia)
SAFAD SAR SERVICE
TASKS

SECONDARY

• Support to the civilian authorities:
  - Medical evacuation & transport
  - Humanitarian operations (air relief delivery)
  - Casualties evacuation from accident area.
  - Airborne fire-fighting, etc.
SAFAD SAR SERVICE
IN NATIONAL SAR SYSTEM
PLACE AND ROLE

REGULATIONS

• INTERNATIONAL:
  ✓ ICAO Anex 12
  ✓ IAMSAR Manual (Vol 1,2,3)

• NATIONAL:
  ➔ Serbian Air traffic Law;
  ➔ Republic of Serbia Defense Law;
  ➔ Serbian Armed Forces Law;
  ➔ Serbian MoD- Serbian Civil Aviation Directorate agreement
  ➔ providing the military SAR Service to retrieve aircraft and rescue persons in civilian air traffic;
  ➔ Regulation on providing the SAR Service to retrieve an aircraft and Rescue persons.
SAFAD SAR SERVICE
IN NATIONAL SAR SYSTEM
PLACE AND ROLE

TASKS:

• To provide Search and Rescue service at the request of national RCC:

  ✓ Locate position of an aircraft accident;

  ✓ Rescue the injured persons or persons endangered regarding accident;

  ✓ Provide immediate medical care for injured persons and transfer them to safety.
SAFAD SAR SERVICE AREA OF RESPONSIBILITY

• SAR Regions in Serbia:
  ✓ ALPHA Sector - Responsibility of Ministry of Interior
  ✓ BRAVO Sector - Responsibility of Ministry of Defence
SAR UNITS IN BRAVO SECTOR

LADJEVCI
LY KV
714. helicopter squadron

NIS
LY NI
119. or 890. helicopter squadron
SAFAD SAR SERVICE
ALERTING PROCEDURE

AIR TRAFFIC CONTROL

COSPAS-SARSAT

Air Traffic Companies
Flying Clubs
Police
Accident witnesses

RESCUE COORDINATION CENTRE
Civil Aviation Directorate

SAFAD COMMAND OPERATION CENTER

SAR Unit at LY KV
714.hel.sq.

SAR Unit at LY NI
119.hel.sq. or 890.hel.sq.
SAFAD & CAD
ANNUAL SAR ACTIVITIES

• Exchange of procedures
• Seminars and Courses
• SAREX, level 1, 2, 3.
FUTUR COOPERATION OPPORTUNITIES
AUGMENTING SEARCH SYSTEM

• Air Force will operate recce Remotely Piloted Aircrafts (RPA);
• Operational altitude 2-3.000m;
• Operational speed ~160km/h;
• Sensors:
  ✓ EO cameras detection range ~20km;
  ✓ IR night camera ~15km
• real-time airborne data transmission
• high detection probability;
• accurate target location positioning
FUTUR COOPERATION OPPORTUNITIES
AUGMENTING SEARCH SYSTEM

- basic location: Ladjevci airbase (LY KV);
- flight endurance ~6-8 hours;
- guidance radius ~250 km wide area coverage
- 24/7 readiness day/night
- duty shift crew: 1 pilot, 1-2 sensor operators, 1 mechanic
QUESTIONS?

Air Force Colonel
Goran Radosavljevic