



## ICAO/JRCC LCA SAR Workshop

5-6 October 2023

#### Air Traffic Services in SAR Operations



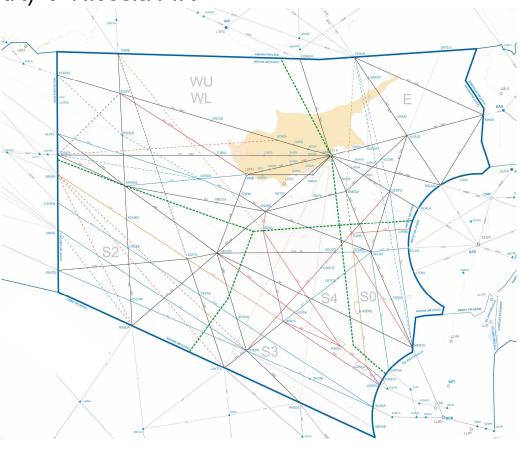
Nicolas Mytides Head LCLK ATC Department Civil Aviation, Cyprus





#### Nicosia FIR

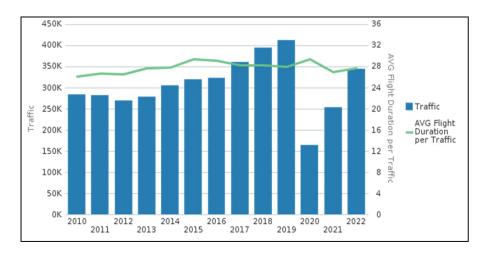
- Republic of Cyprus SAR region (SRR) → Nicosia FIR
- area of 175,000 sq.km
- neighboring FIRs
- DCAC ATS Units
- → Nicosia ACC
- → LCLK & LCPH Control Tower Units
- close cooperation with JRCC
- military
- aeronautical information service

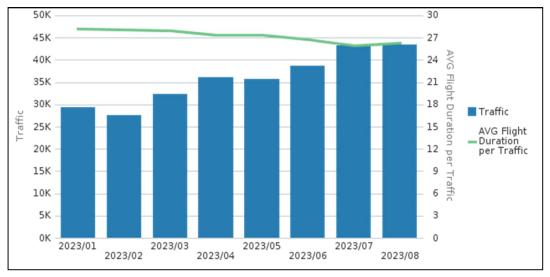






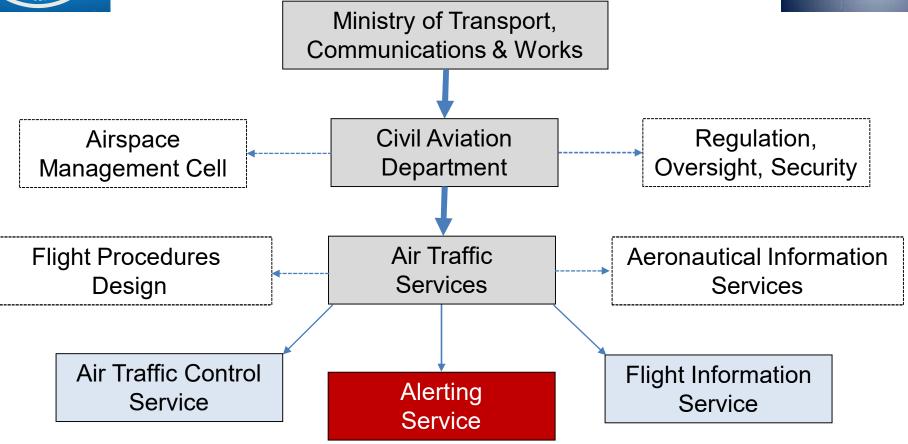
## Traffic volume











Notification of appropriate organizations regarding aircraft in need of search and rescue aid, and assisting of such organizations as required





### Alerting service

- for all aircraft provided with air traffic control service
- in so far as practicable, to all other aircraft having filed a flight plan or otherwise known to the air traffic services
- to any aircraft known or believed to be the subject of unlawful interference.

... priority shall be given to aircraft on emergency being compelled to land, hospital flights or aircraft carrying person requiring urgent medical attention, aircraft engaged in SAR operations





#### ATC emergency handling

- emergency response plan
- notification of JRCC, other emergency services
- passing alerting and other pertinent information, updating as situation develops
- assisting aircraft in distress, as far as practicable
- assisting engaged SAR assets
- informing and handling other traffic, considering imposition of silence
- monitoring emergency frequency, ELT signals
- need for airspace reservation, NOTAM issuance
- weather reports and forecasts
- possible impact on service provision & airport operations









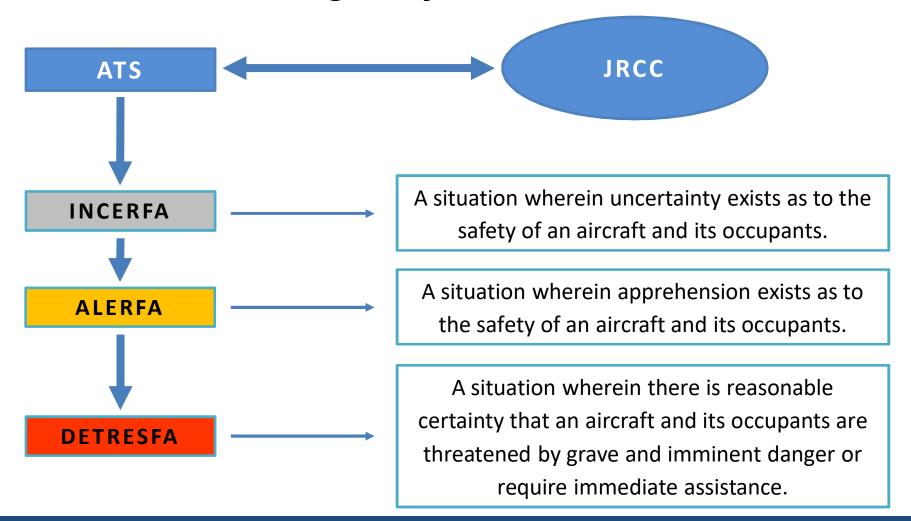
when aircraft is known or believed to be in a state of emergency, including being subjected to unlawful interference, ATS Units shall give aircraft maximum consideration, assistance and priority over other aircraft as may be necessitated by the circumstances.







#### Phases of emergency







# **Emergency declaration**



Pilot ATC RFF AO Security Services

Airport State of Emergency	ATC Notification
	RFF
LOCAL STANDBY	Airport Operations Centre
FULL EMERGENCY	RFF
	JRCC
CRASH ON/OFF AIRPORT	Airport Operations Centre
CRASH ON WATER	AAIIB
DOME TUDEAT	RFF
BOMB THREAT HIJACK	Airport Operations Centre
SABOTAGE	DCA Airport Services
other security-related incidents	JRCC
STRUCTURAL FIRE	
HAZMAT	RFF
MEDICAL	
NATURAL DISASTER	Airport Operations Centre
GROUND EMERGENCY	





#### **ALERTING INFORMATION**

- State of emergency, nature & location
- Aircraft callsign/company
- Type of aircraft
- ETA
- Anticipated runway, wind conditions/any airside info (RFF)
- POB
- Pilot intentions
- Other pertinent information (fuel quantity, endurance, dangerous goods)

some information may not be timely available → sought from other sources

**Effective communication in crisis management** 

clarity, confidence, control, commitment, competency

SUCCESSFUL CRISIS
MANAGEMENT REQUIRES
EFFECTIVE
ACTION AND
COMMUNICATION
TO HAPPEN
SIMULTANEOUSLY.





#### Emergency response preparedness

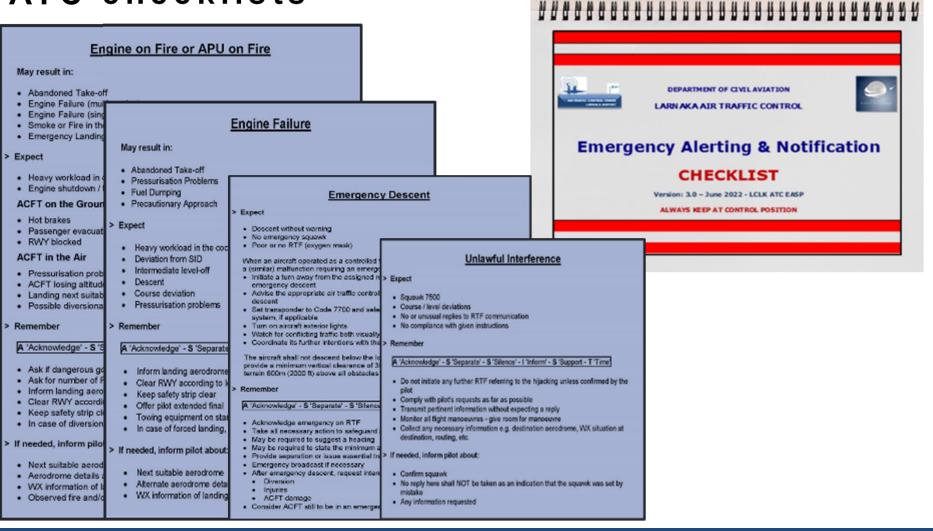
- development of emergency response plans
- coordination between involved entities, awareness
- plans be reviewed, checked, updated → demonstrate readiness
- emergency events debriefing → evaluation, mitigation
- ATS units participation in SAREX
- emergency exercises, table-top
- mandatory occurrence reporting system
- Airport Emergency Forum
- ATCO emergency refresher training
- checklists







#### ATC checklists







### Recovery to normal operations

- disabled aircraft removal
- airside inspections, FOD clearing
- airfield lighting, surface guidance systems
- navigational facilities
- changes in declared distances
- RFF category recovery
- NOTAMs
- impact on service provision
- ATFM measures









