



# EASA

European Aviation Safety Agency



Funded by the European Union and implemented by the  
European Aviation Safety Agency

# Regulatory Framework

Davor Crnogorac  
Zagreb FMP Manager

## Your safety is our mission.

An agency of the European Union





- Centralised Flow Management implemented in 1996 with Inauguration of CFMU
- Today mandated in EU with IR 255/2010
- With clear and foremost interest of the Network (EATMN)

There is a clear interest of the Parties to exchange data in the context of the Air Traffic Flow and **Capacity** Management and of the Enhanced Tactical Flow Management System to improve the quality of the ATFM functions

- Annex 2 - **ICAO Document 4444** ATM/501 - **Procedures for Air Navigation Services – Air Traffic Management (PANS-ATM)**
- ICAO Document **7030/4** - **European Regional Supplementary Procedures**
- REGULATION (EU) **2150/2005** - Common Rules for the **Flexible Use of Airspace (FUA)**
- COMMISSION REGULATION (EU) No **255/2010** laying down **common rules on ATFM**
- Commission Regulation (EU) No **691/2010** - **performance scheme** for air navigation services and network functions
- Regulation No **2096/2005** - common requirements for the **provision of ANS**
- Commission Regulation (EU) No **677/2011** detailed rules for the implementation of **ATM network functions**
- EUROCONTROL as the Network Manager for network functions of the single European Sky
- Network Operations Handbook



# tasks/responsibilities of a state

- ATFM IR 255/2010 - common rules on air traffic flow management
- with a view to optimizing available capacity in the use of airspace and enhancing ATFM processes
- uniform application of specific rules and procedures within the airspace of the Single European Sky is critical
- EUROCONTROL mandated to develop implementing rules for ATFM in EU



# Responsibilities of ANSP/FMP

- Described in Agreement NM has with each ANSP
- Every ANSP has local ATFM unit = **FMP** and SPOC=**FMP Manager** in AoR
- Initially, NM responsible for TL monitoring in ECAC
- With time, full responsibility adopted by ANSP's, updated and described in LoA
- FMP majorTasks:
  - Continuously monitor traffic demand (TD)
  - Compare TD with Capacity
  - Propose optimum CONFIGURATION to SUP
  - Monitor difference in Actual vs Initial
  - Make and publish D-1 plan
  - Activate ATFM Measures (CDM + on-time)
  - Notify NM of changes in TV's, capacities, CONF...



# Monitoring

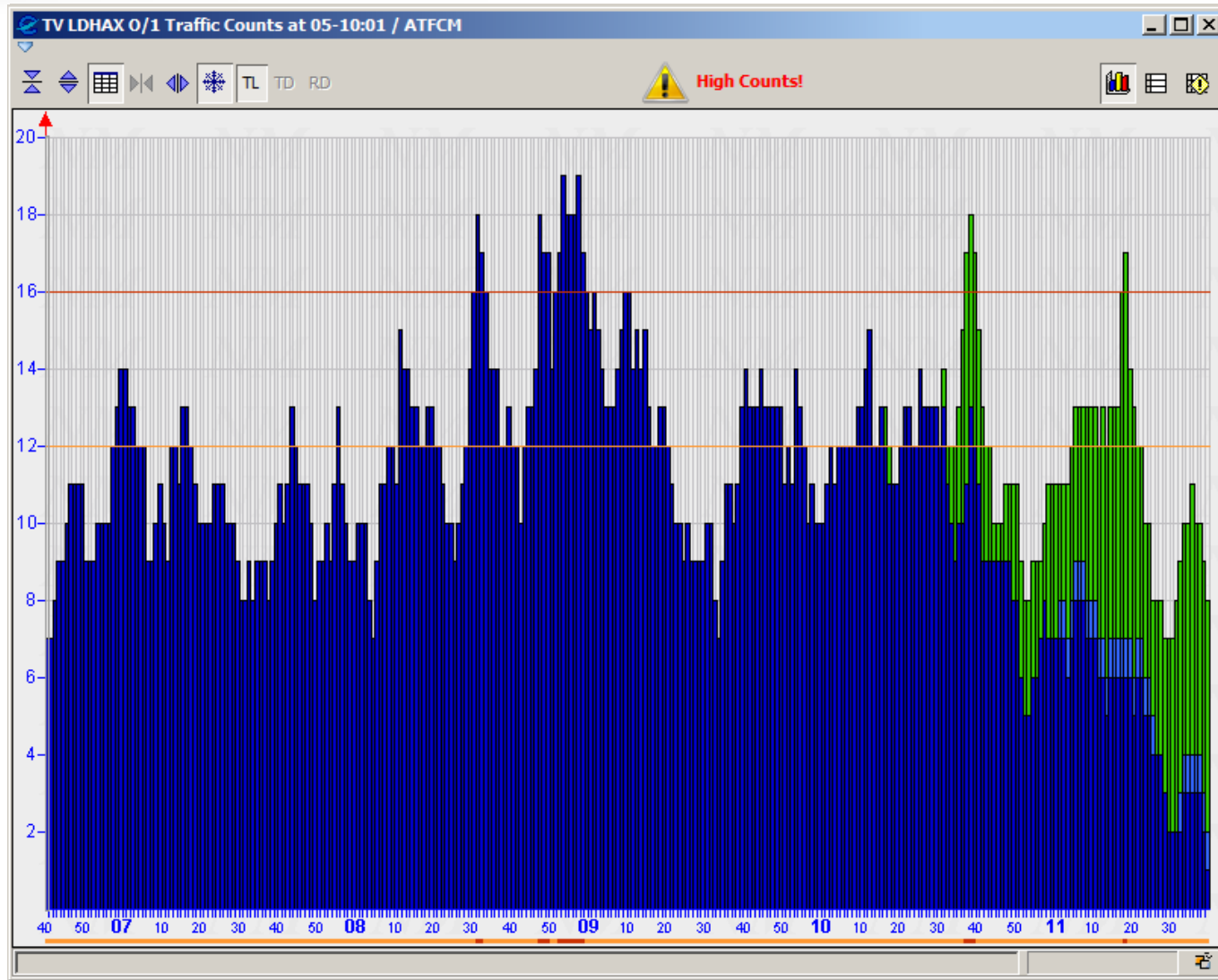
Monitoring and reporting on all aspects is required to run an **efficient ATFM service**:

- SLOT Adherence
- EXCLUDED Flights
- SUSP and Re-activated Flights
- Missing and multiple FPL's ...

Monitoring these governs the efficiency and predictability of ATFM



# Predictability





# Data exchange requirements:

Most State Responsibilities are normally delegated to ANSP:

- availability of airspace and route structures – through **AUP/UUP**
- ATS unit **sector configurations and activations** – revised at D-1 and D
- Aerodrome **TAXI times** – updated regularly by FMP on TACT
- **ATC sector and Airport capacities** – updated regularly by FMP
- Route availability through **RAD**
- Updated flight positions, deviation from FPL, **Flight Progress Messages**
- Airspace availability including availability through application of flexible use of airspace - FUA
- Actual take-off times.

The data shall be made available to all stakeholders and provided free of charge to, and by, the Central Unit for ATFM





# Responsibilities of ANSP/FMP

- When an ATFM measure has to be applied, ensure the optimization of the overall performance effects on the EATMN.
- ATS units shall notify of all events that may impact ATC capacity or air traffic demand.
- Contingency Procedures defined and published



# What we get

- Flight plan distribution and CRCO
- Coordination and interoperability for greater efficiency
- CHMI and evolutions (situational awareness)
- Wonderful tools (NEST, DDR2, NOP, LSSIP...)
- Participation in Expert Level Groups, SESAR and like projects...



# What we give

- timely exchange of data (ENV/CACD-sectors, config's, MV's...)
- Flight progress Messages (FAM, CPR...)
- Commitment to the Network interest
- Ultimately we give capacity for the Network



# EASA

European Aviation Safety Agency



Funded by the European Union and implemented by the  
European Aviation Safety Agency

## Thank you for your attention!

davor.crnogorac@crocontrol.hr

## Your safety is our mission.

An agency of the European Union

