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AFI Plan Aerodromes Certification Project Workshop for ESAF Region (Nairobi, Kenya, 23-26 August 2016)

Aerodrome Certification Relationship with Air Navigation Services

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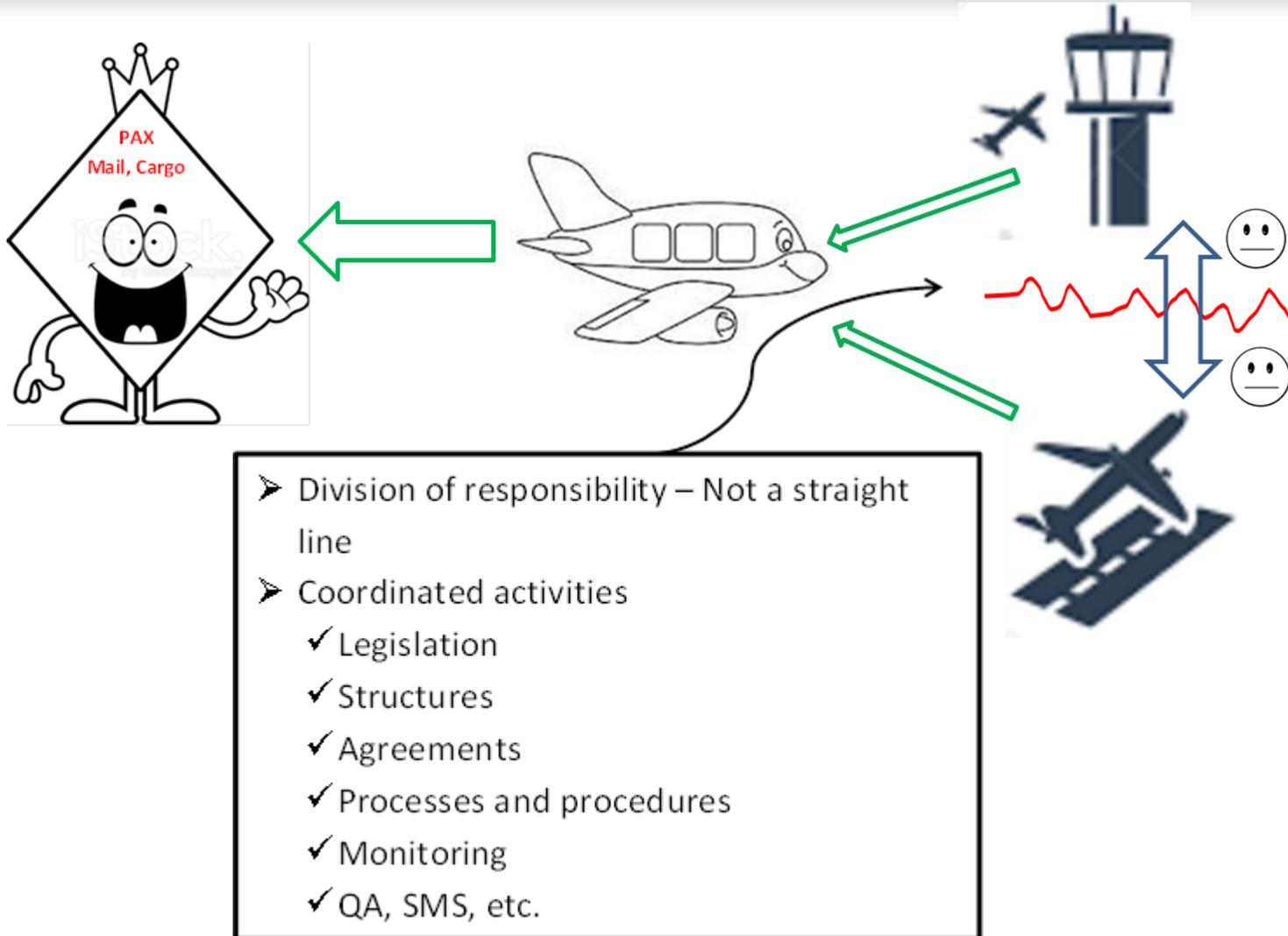
Overview

- **Aerodrome-ATM Safety related issues**
- **ATM efficiency related issues**
- **Communications, Navigation and Surveillance issues**
- **MET Issues**





The service value chain





Aerodrome- ATM Safety Related Issues

- ❑ Lines of responsibility between movement and manoeuvring areas, including taxiways
 - Tower, Ground Control, Marshaling services, ground handling
 - Who has control up what point each part of movement area
- ❑ Control of movement of vehicles and personnel:
 - Airport maintenance programmes
 - Taxiways incursions
- ❑ Coordination of Aerodrome and ATS SMSs
 - Operation
 - Joint activities
 - Interface management
 - Sharing of information





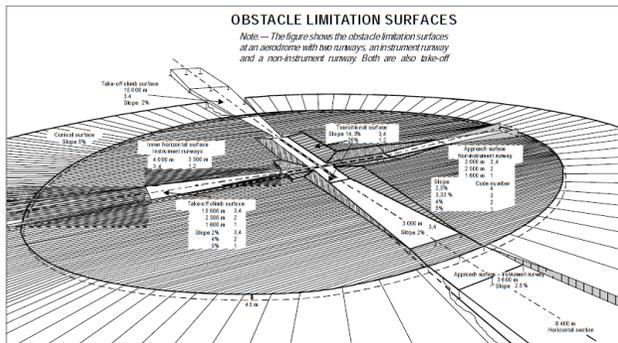
Aerodrome- ATM Safety Related Issues

❑ Obstacle/Control management

- Coordination in the implementation of the Annex 14 and Doc 8168 criteria
- Relationships with stakeholders

❑ Low visibility operations

❑ Runway Safety Programme





Aerodrome-ATM Safety Related Issues

❑ Runway Safety Programme

- Incursions (movement of aircraft on its own power or being towed, vehicles, personnel, livestock, wildlife, etc.)
- Excursions: *timely availability of information on aerodrome conditions required for aircraft approach and landing configuration*

❑ Coordinated emergency plans and procedures

- Preparedness, execution and coordination

❑ Events coordination and management

- Inaugurations
- Jubilees, anniversaries
- etc.)





Air Traffic Management Efficiency Related Issues

- ❑ Lines of responsibility between movement and manoeuvring areas, including taxiways
- ❑ Coordination in assignment of gates, available movement areas, etc.
- ❑ Coordination of runway and airport (terminal & apron) throughputs – **avoiding bottlenecks**
- ❑ Airspace configuration and related operational aspects:
 - wildlife control in relation to areas where low level movements will normally occur, including circling.





Comm, Navigation and Surveillance Issues

- ❑ Control of aerodrome structures and installations (and others in the aerodrome vicinity) in relation to CNS equipment and installations:
 - ILS protected areas
 - VOR signal reflection
 - Nav aids/comms frequency interferences





Meteorology Issues

- ❑ Protection of instrument and equipment and installations on the aerodrome from physical obstruction and electronic interference
 - MET farm
 - Runway wind sensors
- ❑ Accessibility of MET installations to MET staff
- ❑ Location of sensors





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