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## AFI AIR NAVIGATION DEFICIENCIES WORKSHOP

# MODULE 3: MINIMUM REPORTING AREAS - AOP

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# Minimum Reporting Areas- AOP

01

**AIRPORT MASTER  
PLANNING**

02

**RUNWAYS**

03

**TAXIWAYS**

04

**APRONS**

05

**VISUAL AIDS FOR  
NAVIGATION**

06

**ELECTRICAL  
SYSTEMS**

07

**RADIO NAVIGATIONAL  
AIDS**

08

**AIRPORT  
OPERATIONS**

09

**AIRPORT  
MAINTENANCE**

01

## AIRPORT MASTER PLANNING

- **Deficiencies result when:**

- There is lack of airports master plans which ends up affecting short to medium term capacity enhancement projects; restricting their ability to fulfil capacity needs.



## 02

## RUNWAYS

- **Deficiencies result when:**

- A runway and associated facilities such as width, shoulders, RESA etc do not meet the specifications in ICAO Annex 14 Vol.1 e.g Runway Shoulders being higher than runway surface, Insufficient Runway Strip, RESA not provided or insufficient, etc.



02

## RUNWAYS

- **Deficiencies result when:**

- There are continuous operations on runways that are considered unsafe for flights, which increases the risk of incidents/accidents.



## 03

## TAXIWAYS

## Deficiencies result when:

➤ There is for example no procedure to ensure minimum separation distances are met when taxiways do not meet the requirements in ICAO Annex 14

- Some airports built long time ago may not meet the separation requirements but procedures can be developed to mitigate this situation..



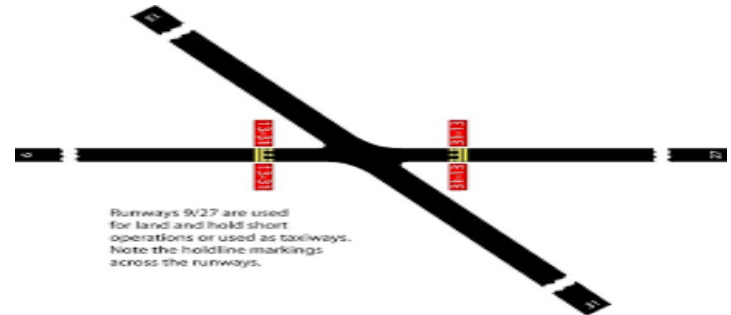
## 03

## TAXIWAYS

- **Deficiencies result when:**

- Provision of runway hold position lights for example **IS NOT** in accordance with Para 5.3.19 of ICAO Annex 14, Volume I on taxiways when required.

- This is meant to support Runway operations at the Airport.



## 04

## APRONS

- **Deficiencies result when:**

- There is presence of cracks and potholes that have not been sealed on the Apron Surfaces
  - The unevenness of the apron surface indicates a compromised Apron in terms of strength and causes discomfort to passengers during movement on the apron.



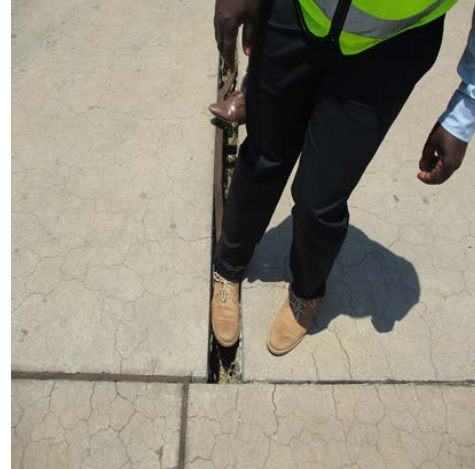


## 04

## APRONS

- **Deficiencies result when:**

- There is evidence for example of spacing between concrete slabs on the apron surface or there is evidence of moving slabs on the apron surface.
  - This may lead to poor judgement by pilot during parking





## 05

# VISUAL AIDS FOR NAVIGATION

- **Deficiencies result when:**

- Visual Aids for Navigation do not meet the provisions of Annex 14 Volume 1 Chapter. 5 in terms of characteristics and performance level arrangements in maintenance

- The visual aids for Navigation at the airport that do not comply with the provisions of Annex 14 in terms of location and characteristics such as obstruction of signs by grass, etc.



## 05

## ELECTRICAL SYSTEMS .

### Deficiencies result when;

- An airport does not provide reliable power supply system to assure continuous airport operations

Lack of reliability on both Primary and Secondary power supply systems will affect performance at the airport.





## 06

## RADIO NAVIGATIONAL AIDS

### • Deficiencies result when;

- Signals from Radio Navigational Aids are poor, are lacking or equipment is not calibrated leading to unsafe operations.
- For example when Radio Navigation aids have not been protected from Obstructions ( in terms of safety zones) leading to the interference of signals



07

## AIRPORT OPERATIONAL SERVICES, EQUIPMENT AND INSTALLATION



- **Deficiencies result when:**

- Aerodrome Operation Procedures are not being adhered to by personnel operating within the airside, to ensure smooth operation of Aircraft at the aerodrome. (e.g Ground handling procedures, Driver licensing Procedures, airport movement procedures etc).
- When procedures lead to ground incidences at the apron between aircraft and ground equipment or between equipment and vehicles





07

## AIRPORT OPERATIONAL SERVICES, EQUIPMENT AND INSTALLATION

- **Deficiencies result when:**

- For example Aerodrome fencing is not provided as and when required, Sitting and Installation of equipment in operational areas is not in accordance to Annex 14, etc.



## 08

## RFFS AND AIRPORT EMERGENCY PLANNING

### Deficiencies exist when;

- Despite an airport having sufficient RFF equipment but the equipment is not used properly due to incompetence of the personnel.
- The airport lacks the associated RFF services and/or equipment to support rescue operations at the airport
- The Airport Emergency plans at an airport do not provide for all emergencies that ought to be planned at the airport





# AIRPORT MAINTENANCE PROGRAMMES

## Deficiencies result when

- For example an airport lacks and/or does not implement preventive and Corrective maintenance programs as provided for in ICAO Annex 14.

This include maintenance of pavements, removal of contaminants, Runway pavement overlays, etc.







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