KINGDOM OF BAHRAIN

AGA/AOP PRIORITIES & CHALLENGES

Third Meeting of the Aerodromes Safety, Planning and Implementation Group

ASPIG/3 Meeting (25-27 October 2021)

Presented by: Momamed Zainal

Priorities

▶ Continue to recruit, train and retain qualified inspectors/auditors to sustain the process of aerodrome certifcation in accordance with Annex 14 Standards.

▶ Enhance capacity building of aerodrome inspectors related to aerodrome certification through workshops/training.

▶ Development of additional guidance materials

▶ Note :- Bahrain has only one airport which was certified since 2011 and a revalidation every 5 years.

AERODROMES CERTIFICATION IMPLEMENTATION

Challenges

- Competent Human Resources
  - Staff retention.
  - Lack of available qualified personnel.
- Training
  - Cost
  - Availability

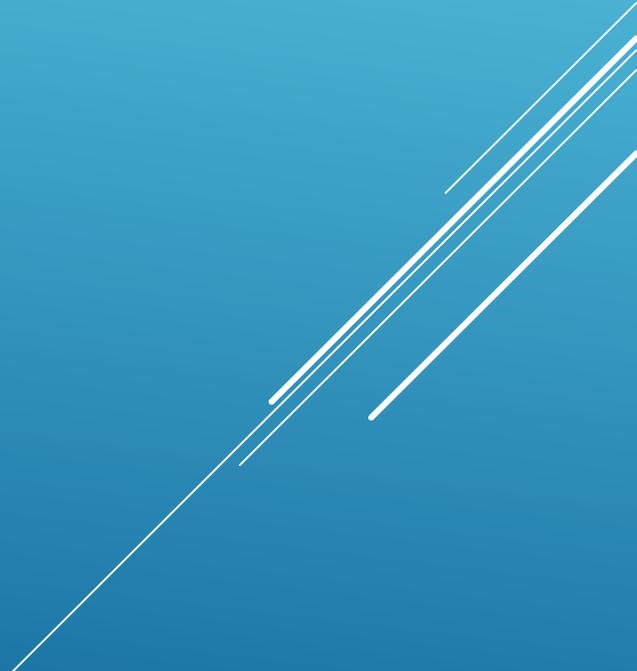# AERODROMES CERTIFICATION IMPLEMENTATION
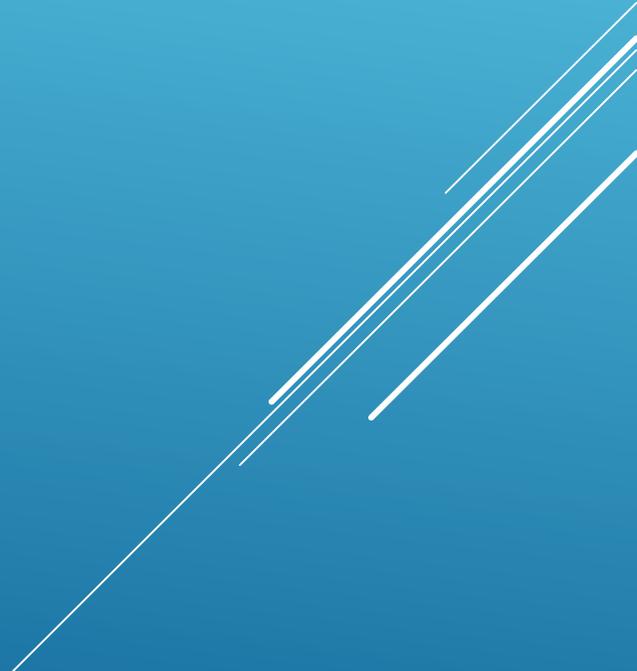
Priorities

Runway safety team was established on May 2017

▶ Development of Runway Safety Team guidelines

▶ Evaluation of the current hazards and risks associated with it

▶ Interface with other government agencies

▶ Create opportunity for Improvement

RUNWAY SAFETY TEAMS IMPLEMENTATION

Challenges

- Competent Human Resources

- Training

- Oversight of effective implementation

- Global Reporting Format (GRF) for assessing and reporting runway surface conditions from Airlines pilot etc.

RUNWAY SAFETY TEAMS IMPLEMENTATION

Priorities

- Implementation of Regulation on GRF
- Recruitment of Aerodrome Oversight Inspectors
- Training/recurrent training
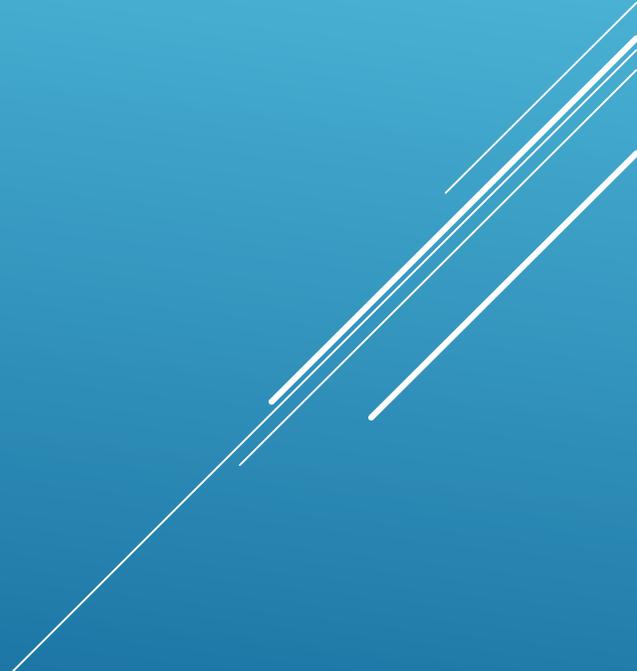- Development of additional Guideline materials

GLOBAL REPORTING FORMAT IMPLEMENTATION
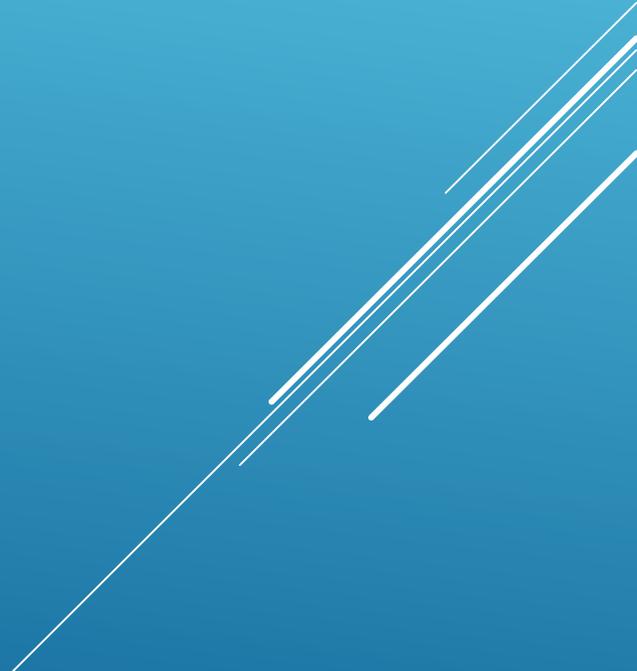
Challenges

- Human Resources

- Training/recurrent training

- Oversight of effective implementation

- Risk assessment

GLOBAL REPORTING FORMAT IMPLEMENTATION

Priorities

- Aligning with the MID Air Navigation Strategy & ASBU implementation framework

- Project Owner (Aerodrome operator)

- Stakeholders:

-BCAA regulator
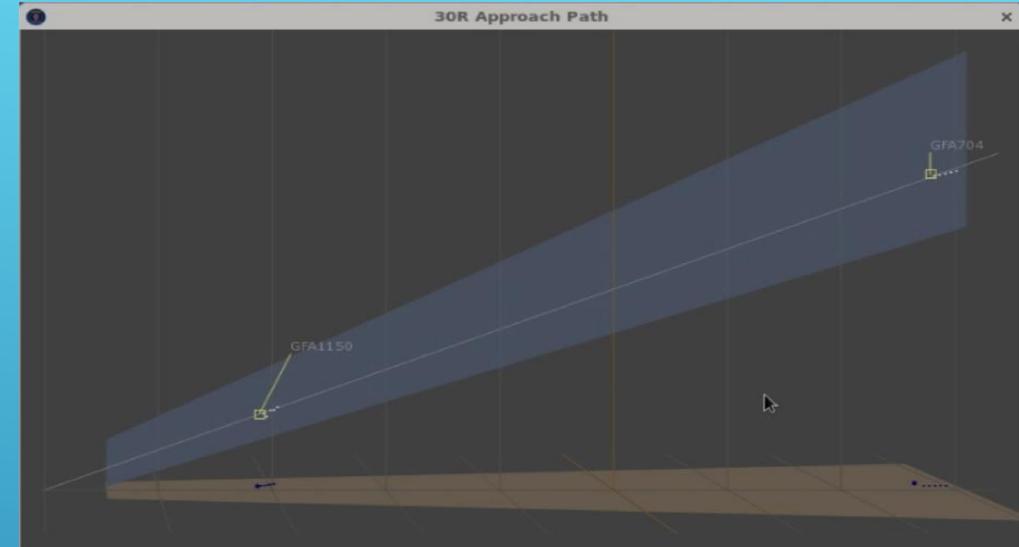-ANSP
-Airport Operator
-Met

-APRON MANAGEMENT
-CATERING
-GROUND HANDLING
-CARGO AGENCIES...ETC.

ACDM: IMPROVED AIRPORT OPERATIONS THROUGH AIRPORT-CDM

Implementation

- Stakeholders' awareness ✓

- Operational Concept & ACDM Manual ✓

- Technical meetings & Interface arrangements/mechanism ✓

- ATM system interface with the Flight Information Distribution System ✓

- Automated exchange of Arrival, Departure & ETAs messages ✓

- Real time Information exchange ✓

ACDM: IMPROVED AIRPORT OPERATIONS THROUGH AIRPORT-CDM

Challenges

▸ Infrastructure Development initiatives such as the New Terminal Project.

▸ Stakeholder's awareness.

▸ Training.

▸ Risk assessment.

ACDM: IMPROVED AIRPORT OPERATIONS THROUGH AIRPORT-CDM
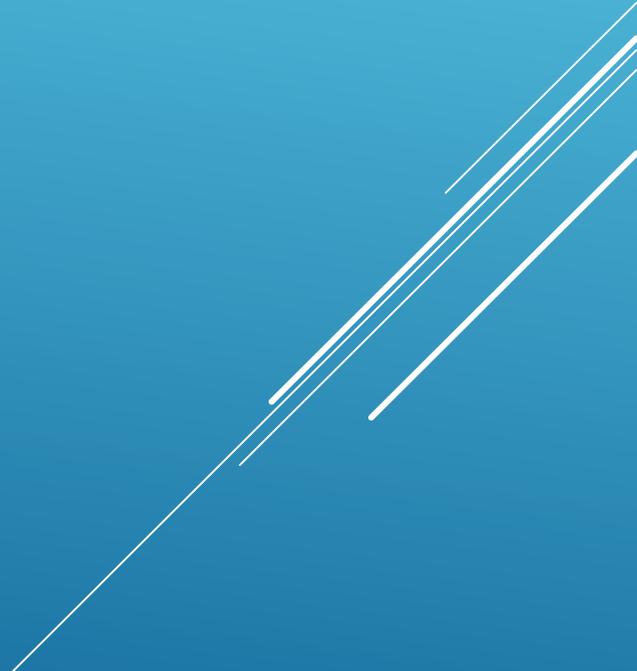
Priorities

- Establishment of National wildlife control committee

# AIR NAVIGATION DEFICIENCIES AOP – AREA MANDD (HTTPS://MANDD.ICAO.INT)SATISFACTION

Challenges

- Convincing the objective of establishment of national committee

- Resistance from Environmental and Wildlife Conservationists

- Breeding pegions as hobby in the vicinity of airport

AIR NAVIGATION DEFICIENCIES AOP – AREA MANDD (HTTPS://MANDD.ICAO.INT)SATISFACTION

Priorities

- Traveler's safety and confidence in the future airport facility design

- Automation and Artificial intelligence in the safety and security aspects of Aerodrome Design

- Sustainable developement balance ecnomy ,future demands and environment

CURRENT/FUTURE AERODROMES EXPANSIONS/PROJECTS
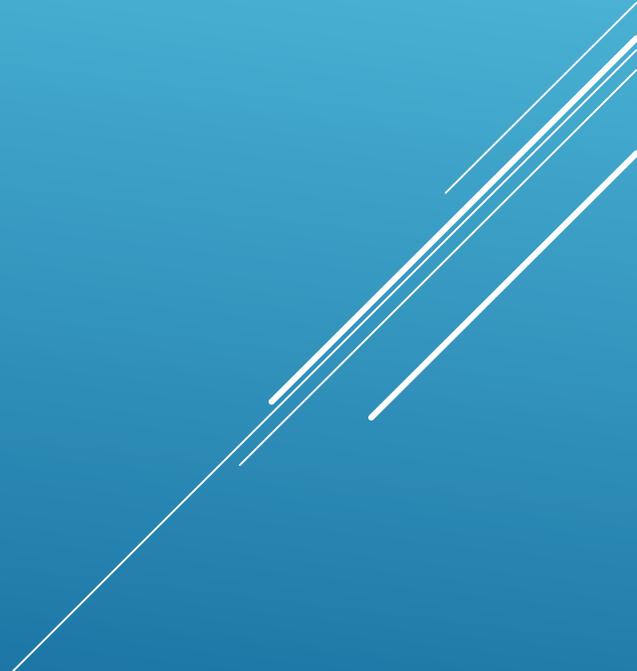
Challenges

- No clear cut regulations/guidelines from ICAO on Aerodrome expansions or Projects especially on Airport Design
- Highly qualified professionals to operate sophisciated new technology based operations
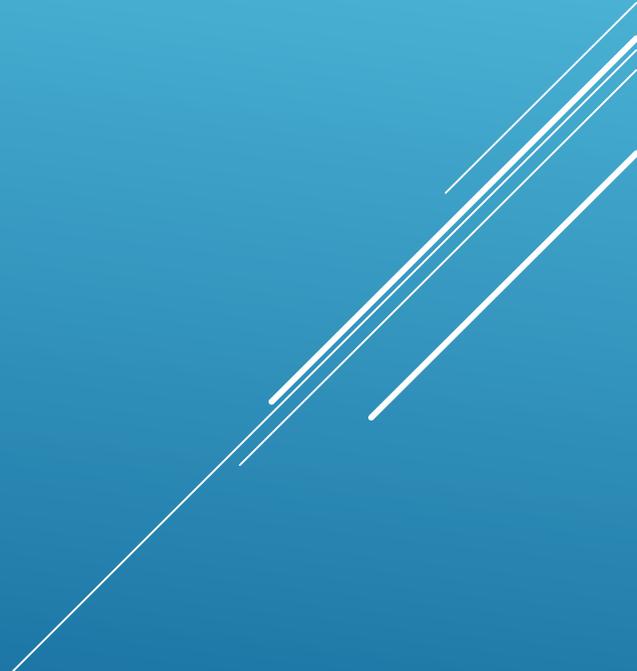- Training on rapidly changing technology
- Environmental issues

CURRENT/FUTURE AERODROMES EXPANSIONS/PROJECTS
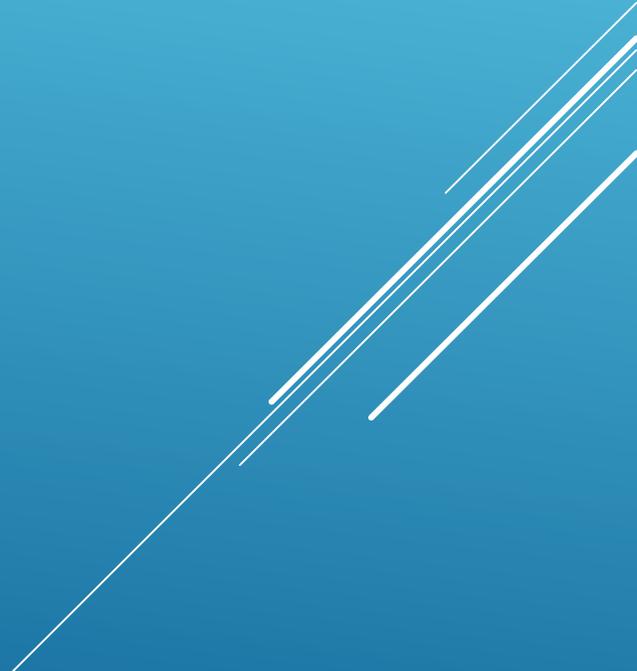
Priorities

- Sustainable developments for future growth

- Human resources development on various subject matter experts

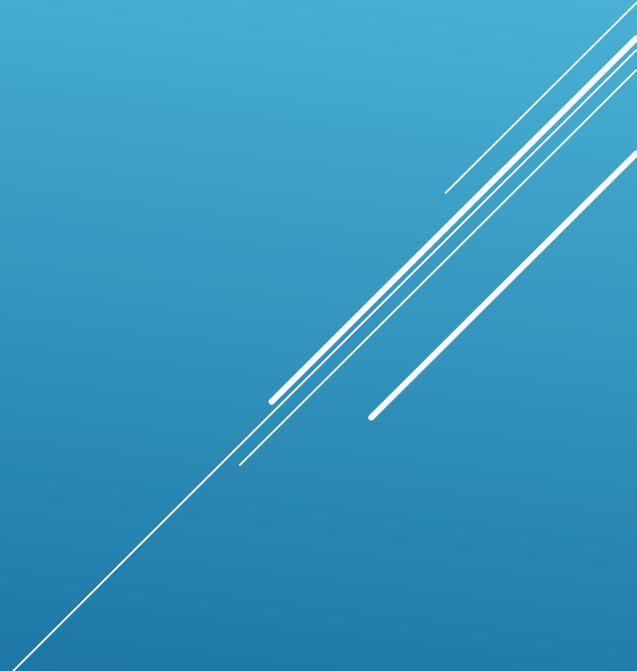- ICAO Regulations/Standards for Airport Design, Apron Management, Ramp safety etc.

STATE'S NEEDS ON CAPACITY BUILDING

Challenges

- Human Resources

- Training, virtual training quality objectives, Artificial Intelligence in aviation

- Current regulations which may be inadequate to oversight apron management, airport design etc.

- Exchange of experience or knowledge from other airpots

STATE'S NEEDS ON CAPACITY BUILDING

THANK FOR YOUR ATTENTION