

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

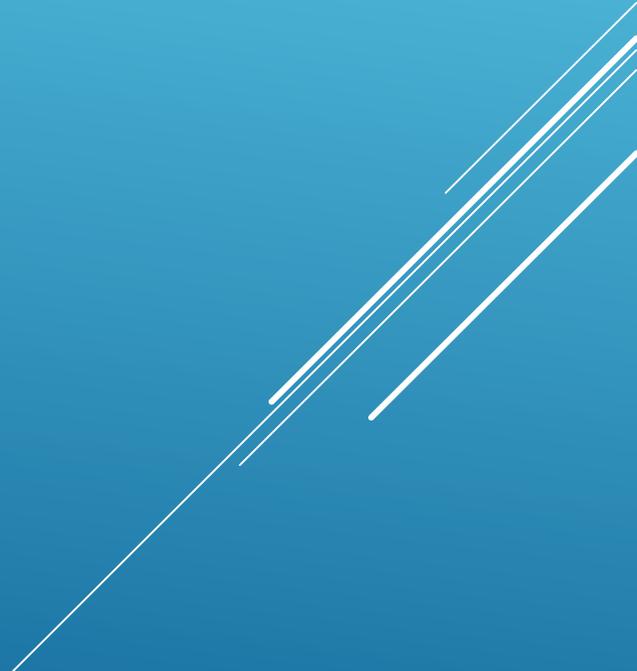
- ▶ Continue to recruit, train and retain qualified inspectors/auditors to sustain the process of aerodrome certification in accordance with Annex 14 Standards.
- ▶ Enhance capacity building of aerodrome inspectors related to aerodrome certification through workshops/training.
- ▶ Development of additional 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

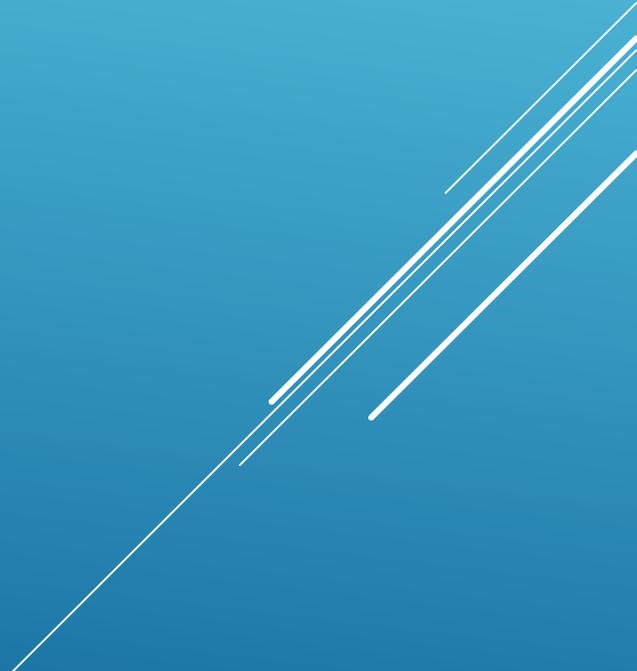


Priorities

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.

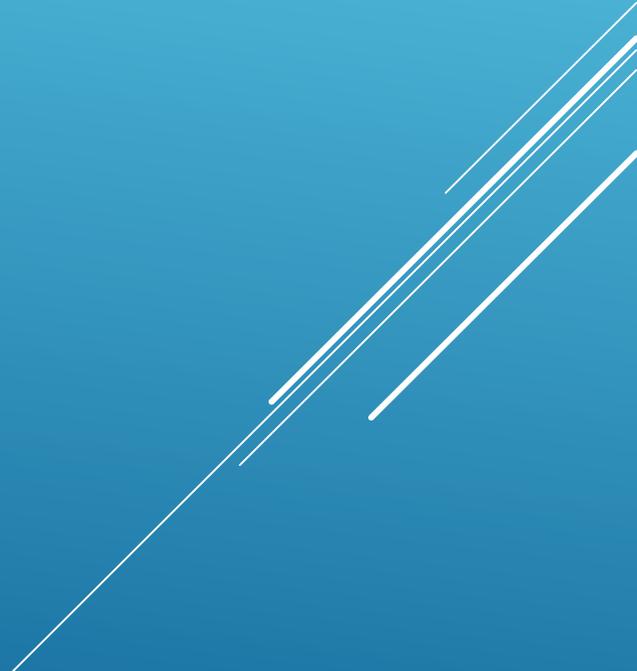
RUNWAY SAFETY TEAMS
IMPLEMENTATION



Priorities

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

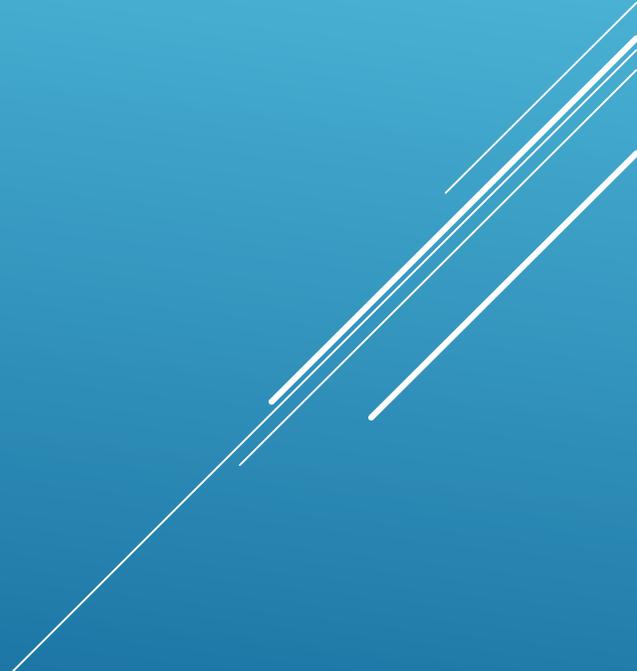
GLOBAL REPORTING FORMAT
IMPLEMENTATION



Challenges

- ▶ Human Resources
- ▶ Training/recurrent training
- ▶ Oversight of effective implementation
- ▶ Risk assessment

GLOBAL REPORTING FORMAT
IMPLEMENTATION

A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against a blue gradient background.

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

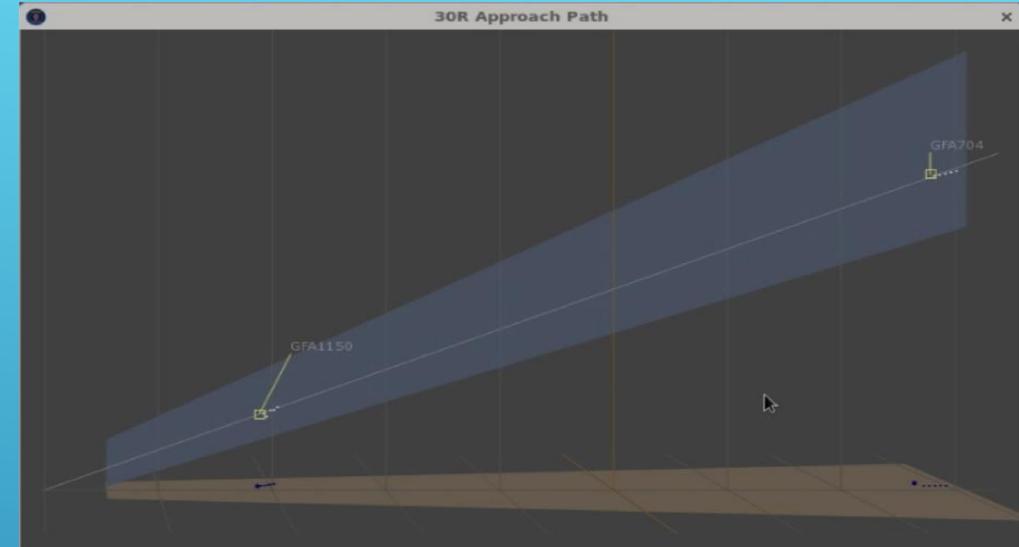
-GROUND HANDLING

-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 ✓



DEPARTURES							Booked
Flight	Destination	Reg.	Counters	Stand	Gate	PAX	
FZ8850	DXB	A6FDZ	A13, D04-D08	16A	16A	35	
GF2183	JED	A9CAL	F, E	26A	19D	73	
GF068	MAA	A9CCE	F, E	19A	19A	99	
GF506	DXB	A9CTA	F, E	16B	16B	72	
GF5178	AUH	A6BLU	A07, C03-C11	15	15A-B	233	
GF508	DXB	A9CTF	F, E	19B	19B	70	
GF2167	RUH	A9CFC	F, E	20	20A-B	120	
MS8019	CAI	A9CTE	F, E	17B	17B	31	
SV521	RUH						
GF2109	DMM	A9CAH	F, E	3	19E	92	
MH4587	DXB	A6EPC	A09-A11, B02-B10	15	15A-B	181	
FZ028	DXB	A6FEZ	A02, D04-D08	16A	16A	80	
GF6121	CAI		A08, B13-B17	16B	16B	50	
G9106	SHJ	A6AOT	D13-D17	17A	17A	132	
AI1988	HYD	VTCIP	A05, C11-C15	17B	17B	111	
GF512	DXB	A9CFG	F, E	15	15A-B	14	

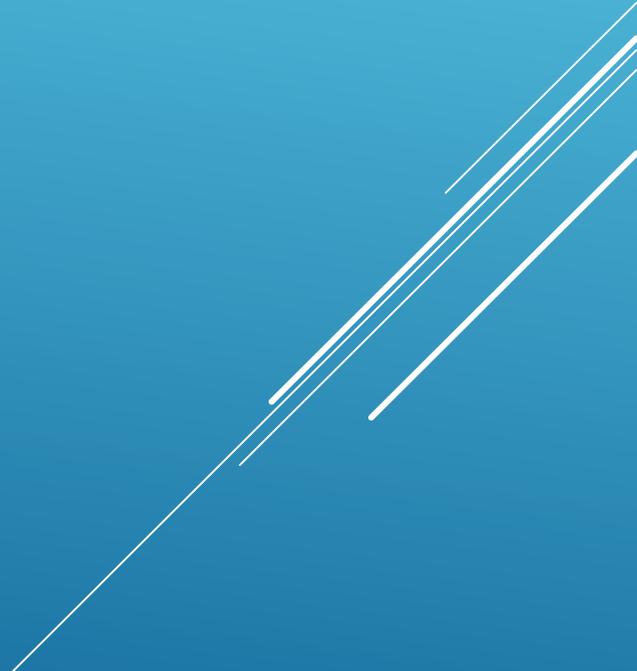
14 Sep 00:05 - 06:05		
GF	Gulf Air GF80	CAI Cairo Landed 23:42
GF	Gulf Air GF2170	RUH Riyadh Landed 00:00
GF	Gulf Air GF263	CCJ Kozhikode Landed 00:06
EY	Ethad Airways EY379	AUH Abu Dhabi Landed 01:45
EK	Emirates EK835	DXB Dubai Landed 02:02
FZ	flydubai FZ8131	DXB Dubai Landed 04:26
TK	Turkish Airlines TK776	IST Istanbul Landed 04:57
14 Sep 06:05 - 12:05		
GF	Gulf Air GF6	LHR London Landed 05:57
GF	Gulf Air GF271	COK Cochin Landed 06:14
GF	Gulf Air GF751	KHI Karachi Active 07:07
GF	Gulf Air GF2182	JED Jeddah Active 07:33
GF	Gulf Air GF271	DAC Active 07:55

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](https://mandd.icao.int)) SATISFACTION

Challenges

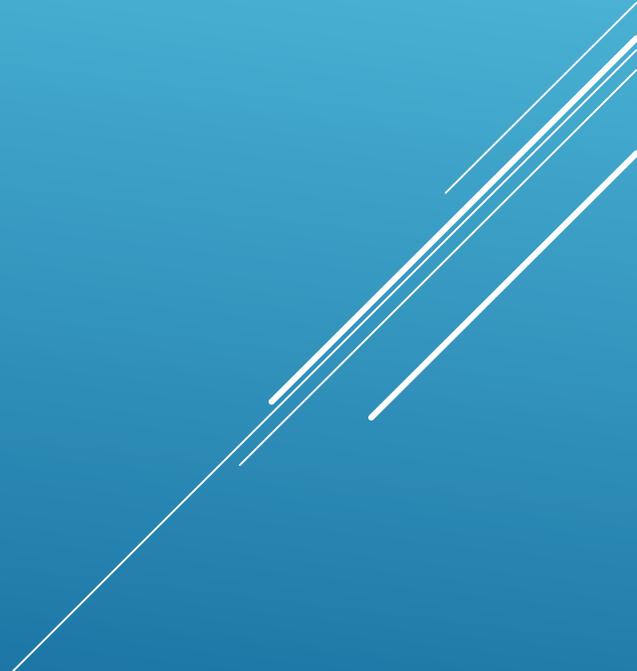
- ▶ Convincing the objective of establishment of national committee
- ▶ Resistance from Environmental and Wildlife Conservationists
- ▶ Breeding pegions as hobby in the vicinity of airport

AIR NAVIGATION DEFICIENCIES AOP – AREA
MANDD ([HTTPS://MANDD.ICAO.INT](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 development balance economy ,future demands and environment

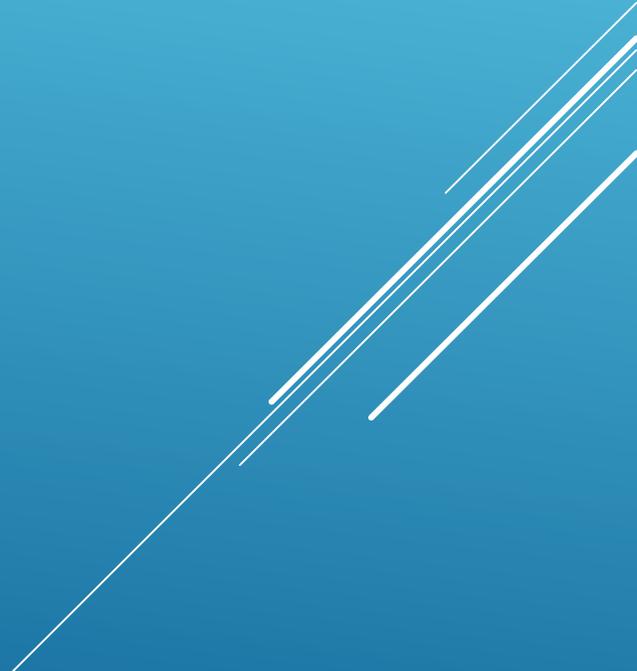
CURRENT/FUTURE AERODROMES
EXPANSIONS/PROJECTS



Challenges

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

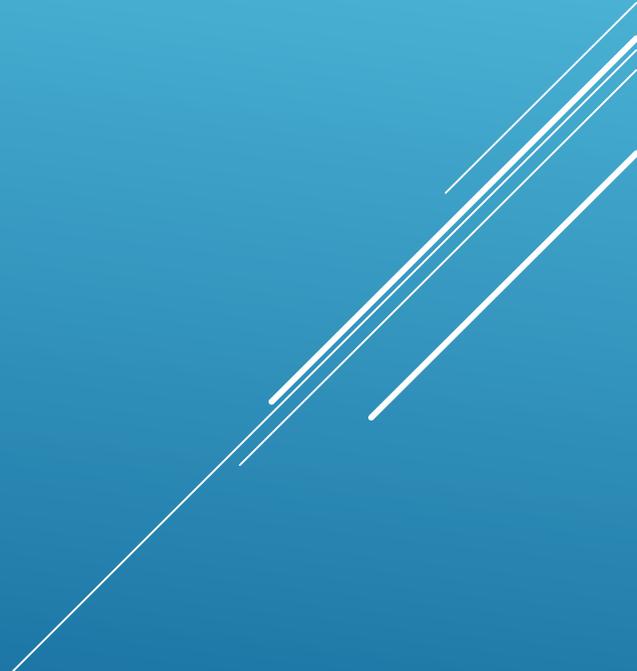
CURRENT/FUTURE AERODROMES
EXPANSIONS/PROJECTS



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.

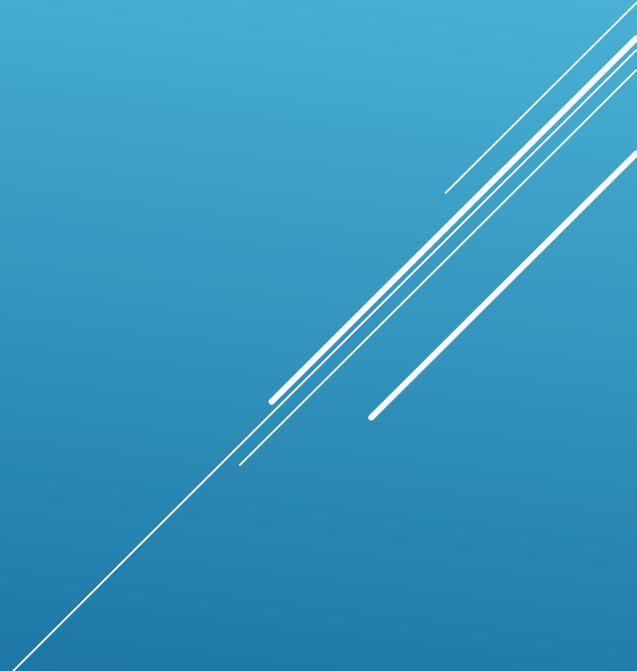
STATE'S NEEDS ON CAPACITY
BUILDING



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 airports

STATE'S NEEDS ON CAPACITY
BUILDING



THANK FOR YOUR ATTENTION

