



مطار العراباك الدولي

Hurghada International Airport Certification Challenges and lessons learned

prepared by Eng: basma Refat

content

1 Overview of Hurghada International Airport / Certification History

2 The Challenges and lesson learned

a: Dealing with Non compliance

b: Projects (WIP)

c: Maintain Certification Requirements

Maintenance / Operation

Wildlife Hazard Management

SMS implementation



The Airport had certificate in 2008 And its Renewal has been going on since then





Aerodrome Certification Manual ACM



ECAR 139.201

- Physical Characteristics
- Emergency Planning
- ARFF
- Self inspection
- Visual aids
- WIP
- Obstacles control
- Lighting
- Zoning regulation
- WILD LIFE HAZARD CONTROL
- SMSM

· SOC · MA

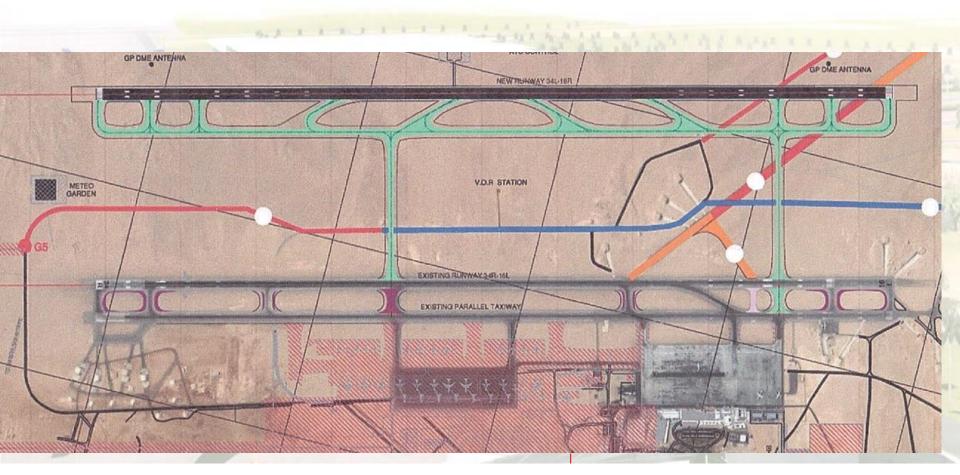
MAINTENANCE • COMPLIANCE Plan
MANUAL RISK ASSESMENT



Terrain in RWY strip



Airport Fencing



A fence is built surrounding the entrance

A 22 Km of airport outside fence is built equipped with CCTV surveillance systems & monitor by civil -military

Fences & Gates





Aeronautical Study – Taxiway 'A' is separated from runway 16L-34R by 165 meters.

- The separation is published in AIP.
- A M.O.A signed between NANSC and EAC that A is not used for A/C with WS more than 30m while there is an aircraft landing or takeoff.
- Random and periodic check is done by operation supervisor And recorded in log book.
- With 2 RWY the effect will be in case of RWY 34L /16 R closed due to maintenance.





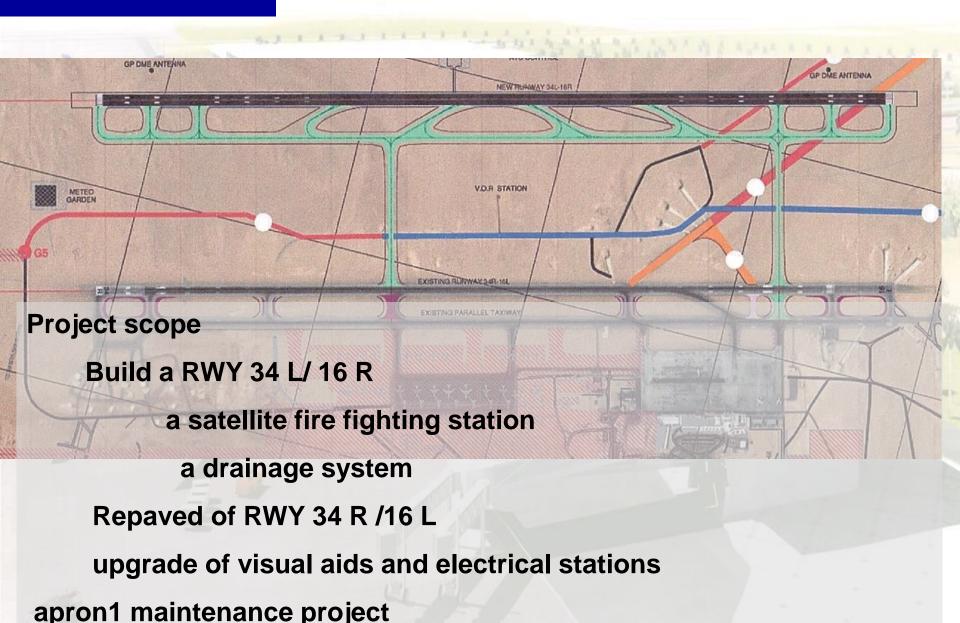
Training

- Safety dep.
- Maintenance dep.
- Operation dep.
- A plan of training for two years is prepared and 78% is done.
- A five years plan in progress

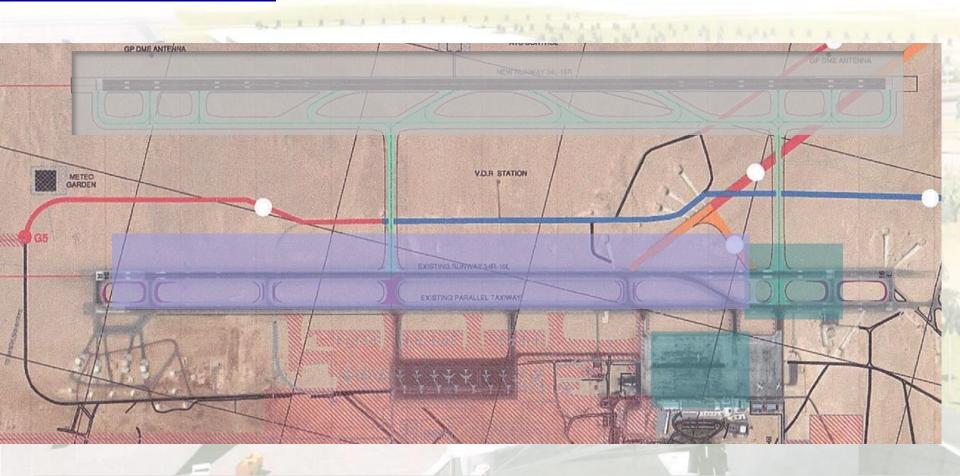
OJT



WIP



WIP



Fences equipped with flags and obstruction lights

WIP – M.O.A -Standard taxi routes –equipment routes



A follow up meeting is done weekly

A RST is held several times before start

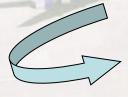
A program of training for engineers and technicians take place

Management Of Change

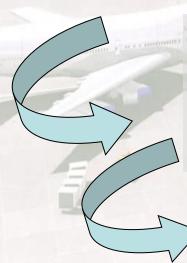
Review the ECAR 139 Items -Identifying any possible future negative impact on safe operation

Review the project action plan –unfinished items

Review ECAA Reports



Risk management

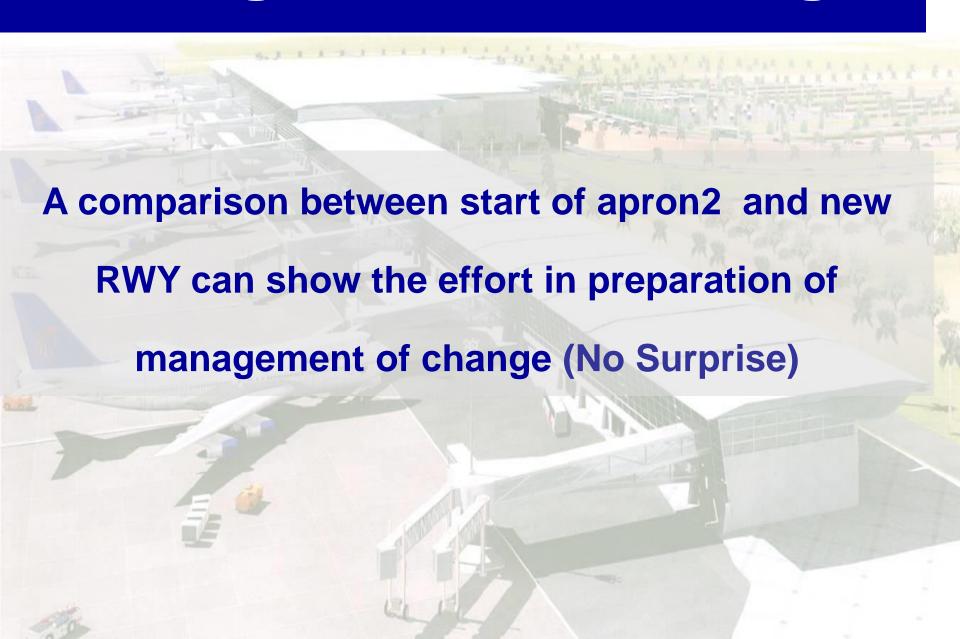


Monitor mitigation measures and corrective action

The airport increase the times of inspection and pilot survey that helps a lot

evaluate

Management Of Change





RWY STRIP Maintenance project ECAR 139.(309-3011-315



before

RWY STRIP Maintenance project



Maintenance Manuals -Procedures -Equipment

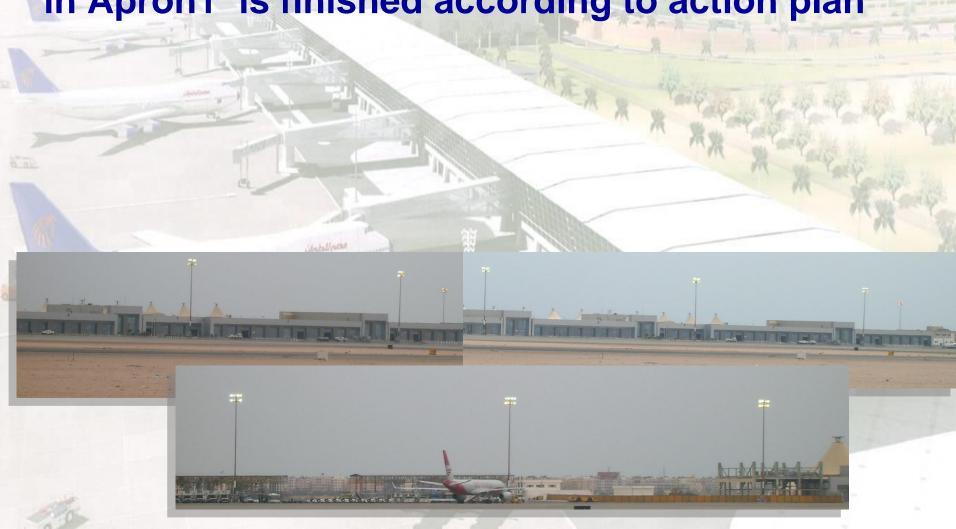


equipment shelter

Apron Flood lighting

ECAR 139.323

Mobile Light used until A Project to increase the lux in Apron1 is finished according to action plan



Firefighting



- Periodic check of no. of ARFF staff is checked
- several successful recorded on site test is done to achieve respons time
- A resource management study is done for distribution of ARFF personal

ARFF Equipments

ARFF equipment is completed according



Full scale exercise





Fuel Farm Development



New supplies & equipments

- Upgrade the station fire system by hiring a consultant to upgrade the fire station's network

- Substitute 2 water pump with others a discharge rate of 1500 gallon / min.











Two supervisors had completed an aviation fuel training course in fire safety.

Aeronautical information



Quality Management system

- Hurghada International Airport started in ISO 9001:2008 certification project at 2009 - certified 11/2012 renewed 11/2015.
- Now we prepare for ISO 9001:2015 transition which planned to be completed in 07/2018
- Quality management system integrated with SMS by covering the activities in the Air side as "Apron management processes, Runway self inspection process, Maintenance processes , Aeronautical Revenue process and safety process" which support in safety process enhancement.

Wild life

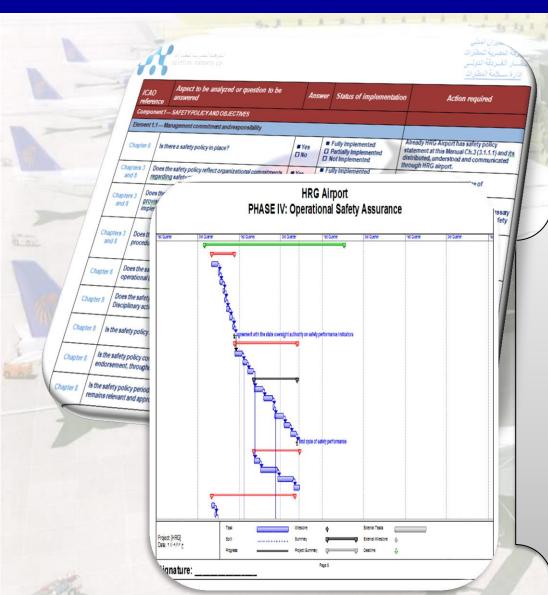


The airport completed the equipment's of bird observation according to the plan and it is activated according to action plan

Pest & wildlife Control Company is hiered

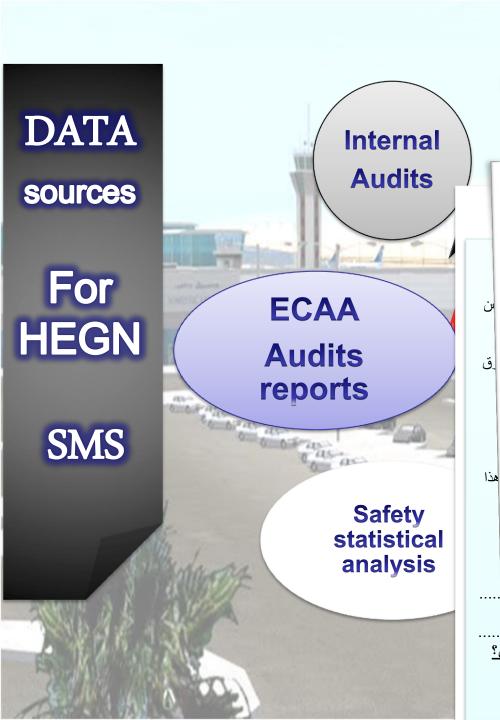


Gap Analysis



Once the gap analysis is complete and fully documented, the resources, structures and arrangements that have been identified as missing or deficient will form, together with those already existing, the: basis of

THE SMS IMPLEMENTATION PLAN



Safety Reports

Reporting system

te:		008 Certified No. E61/3637	Registration:
craft Type:	PILOT SAFE	TY SURVEY	
			7
Dear Captain	The Emertian Airport Compan	y" Hurghada International Airport"	is currently caring out
Welcome to Egyptian Airspace,	pinion and your suggestions in	order to improve on existing of avi	lation safety
a sarrey survey			
AIR VAVIGATION SERVICES			v. good good bad
		Obstruction Marking &	8 8 8
A: Radar Services	v. good good bad	Lights	
Radar Coverage	000	RWY Threshold Light RWY Edge Light	0 0 0
(idda straig	1	RWY End Light	0 0 0
B: Communication	v. good good bad	TWY Lights	000
Area	000	Apron Flood Lights	000
Approach	8 8 8	Wind cone	000
Tower	0 0 0	RWY Signs	0 0 0
Ground (121.9 MI	(Z) 0 0 0	TWY Signs	v. good good bad
C: Navigation Aids	v. good good bad		v. good good bad
(En- Route)	V. good good bad	Braking action	000
(Ell House)		Evaluation of Pavement	0 0 0
VOR -DME	000	RWY Strips	0 0 0
	1	FOD	O O O
D: Navigation Aids	v. good good bad	H: Taxiway	v. good good bad
(Approach Landing)	000	Braking action	000
ILS VOR – DME	0 0 0	Evaluation of Pavement	000
VOK-DIME		TWY Strips	000
E: ATS	v. good good bad	FOD	v. good good bad
ATC Radar Service		I: Apron	V. 2000 EUV. DIE
Vectoring Final A Phraseology (rate		Size of aircraft stands	999
Delaying		Marshall	0 0 0
FPL/RPL Services	000	Follow me VDGS	ality) 0 0 0
PIB Services	Ŏ Ŏ Ŏ	Bridges	000
	_	Ground services (speed/quality	ality) O O O
AIRPORT SERVICE	ES	Fuel services (speed/quality FOD	" 888
		FOD	v. good good bad
F: Surface Movement	and but	I: Others	V. 8000 BOOM MAN
Suidance Control System	v. good good bad	Surrounding Laser Emission	000
Aeronautical Be		Confusion of new HRG RW	000
Approach Lightin		Wildlife and Birds	0 0 0
	0 0 0	0	
PAPI System RWY Marking	0 0 0	Please write your con	ament here:
KWI IMIAIKING	0 0 0		

Safety Committees

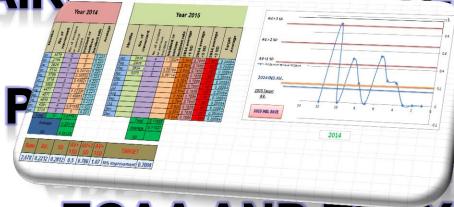


There are several safety bulletin are published by safety dep



INDECATORS & TARGETS

SAFETY PERFORMANCE
INDICATORS FOR HEGN
IRPORTARE DETERMINED



RGETS ROM

ECAA AND THEY ARE
MONITORED MONTHLY AND
SENT TO ECAA
PERIODICALLY

