



Accidents and Incidents Analysis working group

(AIA – WG)



Establishment

- ❖ *The RASG-MID/4 meeting (Jeddah - April 2015) through Decision 4/5, established the AIA WG.*
- ❖ *AIA WG - 1 was held at the ICAO MID Regional Office (Cairo – March 2016).*
- ❖ *RASG-MID/5 meeting (Doha – May 2016) through Decision 5/5, established AIA – WG Core Team.*
- ❖ *AIA WG - 2 was held at the ICAO MID Regional Office (Cairo - March 2017).*



Objective

AIA WG:

- ❖ *Review, Validate, Analyze, Categorize Occurrences data for Identifying the main root causes and contributing factors.*

AIA WG core team:

- ❖ *To advance the work of the AIA WG between the face-to-face meetings.*



AIA WG Core team

Names

Representation

Mr. Adnan Mohamed Malak

Saudi Arabia (Chairman)

Mr. Amr Mokhtar

Egypt

Ms. Rose Al Osta

IATA

Mr. Hassan Rezaeifar

Iran

Dr. Abdallah Falah Suleiman

Jordan

Ms. Leena Ahmed Al-kooheji

Bahrain

Mr. Kamil Ahmed Mohamed

Sudan

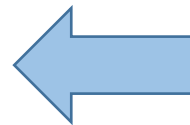
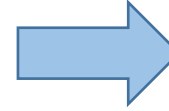
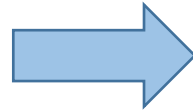
Capt. Fadi Khalil

IFALPA

Mr. Mashhor Alblowi

ICAO

Occurrences Data Flow chart





iSTARS ADREP Occurrence Data Form

Section (editable by)	Name	Data type	Source
Filing Information (State)	Reporting State/Organization	Value list	ISO 3166-1 list of country codes
When (State)	Occurrence Date	Date	ISO 8601
	Occurrence Time (UTC)	Time	ISO 8601
Where (State)	State of occurrence	Value list	ISO 3166-1 list of country codes
	Location of occurrence	Text	
	FIR	Value list	FIR Codes
	Latitude (ddmmss)	Latitude	
	Longitude (dddmmss)	Longitude	
Classification (both State and WG)	Occurrence class	Value list	Occurrence Class Taxonomy
	Occurrence category	Value list	Occurrence Category Taxonomy
Severity (State)	Damage aircraft	Value list	Damage Aircraft Taxonomy
	Injury level	Value list	Injury Level Taxonomy
	Fatalities	Number	
Narrative (State)	Narrative	Text	



iSTARS ADREP Occurrence Data Form

Narrative (State)	Narrative	Text	
Aircraft Identification (State)	Aircraft registration	Text	
	Aircraft Category	Value List	
	Manufacturer/model	Text	
	State of registry	Value list	ISO 3166-1 list of country codes
Operator (State)	State of the Operator	Text	
	Operator Name/Code		
Operation Type (State)	Operation type	Value list	Operation Type Taxonomy
Mass Group (State)	Mass group	Value list	MG1: 0-2250 kg MG2: 2251 - 5700 kg MG3: ⁵⁷⁰¹ - 27000 kg MG4: 27001 - 272000 kg MG5: >272000 kg
			UNK: Unknown
History of Flight: Itinerary (State)	Last departure point	Value list	4L Airport Codes
	Planned destination	Value list	4L Airport Codes
	Flight phase	Value list	Flight Phase Taxonomy
Analysis (both State and WG)	Main root cause	Value list	
	Contributing factors	Value list	Hazard Taxonomy



Root causes and Contributing factors

Root Cause:

- a- Latent Conditions (deficiencies)*
- b- Threats*
- c- Errors*

Contributing Factors:

- a- Environmental Factors*
- b - Conditions of Individuals*
- c - Personal Factors*
- d - Supervision*



Success keys

- ❖ *Reporting of Accidents and serious incidents,*
- ❖ *Availability of data,*
- ❖ *States Contribution and representation in AIA WG meetings,*
- ❖ *States focal person/ organization.*

Thank
You!