



جمعية الشرق الاوسط وشمال افريقيا لمحققي السلامة الجوية Middle East and North Africa Society of Air Safety Investigators

Developing Investigative Capabilities

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States of Manufacture









What Investigative Capabilities Do you need?

- Strategy (5 year)
- Plans (5 Year)



Investigative Capability
 Personnel + Equipment



Reachout Program





Reachout Program











Training Schedule

2015 Training Courses for Safety & Prevention							18 June (Holy	Ramadan) July 23					
Country	Course	January	February	March	April	May	June	July	August	September	October	November	December
Cranfield, UK	Aircraft Accident Investigation (six weeks) £9,750	12	20			11	19						
Cranfield, UK	Air Transport Engineering - Maintenance Operations (one week) £1,400		23 - 27										
Cranfield, UK	Safety Management Systems in Aviation (one week) £1,500			16 - 20									
Cranfield, UK	Safety Assessment of Aircraft Systems (one week) £2,100						22-26						
Cranfield, UK	Applied Safety Assessment Workshop (one week) £1,500						29	3					
NTSB , USA	Aircraft Accident Investigation (two week) \$4,070				13 - 24					14 - 25			
NTSB , USA	Accident Investigation Orientation for Aviation Professionals (TWO DAYS) \$1134			18-19							7-8		
NTSB , USA	Survival Factors in Aviation Accidents (three days) \$1,298						2-4						
	System Safety Certificate										22 - 23		
USC,USA	System Safety				13-24						19-30		
USC,USA	HAZARD EFFECTS AND CONTROL STRATEGIES-System Safety (one week) \$2150		23-27										
USC,USA	HUMAN ERROR ANALYSIS FOR SYSTEM SAFETY (two days) \$950			30-31									
USC,USA	Software System Safety (one week) \$1500				28	1			25-28				
Flightscape (CAE), CA	Flightscape Insight Analysis and Insight Animation- (4 days) \$1600					TBD							
	Certificate of Management in Aviation Safety												
Embry-Riddle, USA	OSHA/Aviation Ground Safety (one week) \$2,000				13 - 17						19 - 23		
Embry-Riddle, USA	Aviation Safety Program Management (one week) \$2,000				20 - 24						26 - 30		
Embry-Riddle, USA	Advanced Aircraft Accident Investigation (one week) \$2,000					4 - 8							
Embry-Riddle, USA	Aircraft Accident Investigation (one week) \$2,000				27	1						2 - 6	
	USC Aviation Safety and Security Certificate												
USC, USA	Aviation Safety Management Systems (two weeks) \$3250	5 - 16		2 - 13			1 - 12			14 - 25			
USC, USA	Helicopter Accident Investigation (one week) \$2350		23 - 27									9 - 13	
USC, USA	Human Factors in Aviation Safety (one week) \$2350	19 - 23		16 - 20			15 - 19		31	14		2 - 6	
USC, USA	ncident Investigation/Analysis (four days)\$1350			30	2						19 - 22		
USC, USA	Accident/Incident Response Preparedness (three days) \$1200			23 - 25							12 - 14		
	Safety Management in Civil Aviation Diploma												
IATA, CA /SIN	Managing the Safety Oversight Function (five days) \$2,635					11 - 15				7 - 11			
IATA, SIN/CAI/SWZ/ITL/	Safety Management Systems (SMS) for Civil Aviation (five days) \$2,635			2 - 6 <u>29</u>	2		8 - 12		24 - 28				
IATA, CA/SPAIN/SIN	Managing Accident Prevention and Investigation (five days) \$2,635						15 - 19				5 - 9	16 - 20	
IATA,USA/SPAIN/SIN/SWZ/USA/ITL	Human Factors in Aviation (five days) \$2,635		2 - 6	16 - 20	20 - 24				17 - 21		26 - 30	9 - 13	
	OR												
IATA, CHINA/SIN/SWZ	Advanced Safety Management Systems (SMS) in Civil Aviation (five days) \$2,635					4 - 8		20 - 24					14 - 18

Development Seminars

Country	<u>Event</u>	January	February	March	April	May	June	July	August	September	October	November	December
USA	FSF - Business Aviation Safety Summit http://flightsafety.org/meeting/bass-2015					13 - 14							
SIN	FSF - Approach and landing accident reduction info exchange http:///lightsafety.org/meeting/singapore-meetings-2015		10 - 11										
SIN	FSF - Maintenance and Engineering safety forum http://flightsafety.org/meeting/singapore-meetings-2015		12 - 13										
UAE	DCAA - world aviation safety summit http://aviationsafety.ae/			23 - 24									
GER	SASI 2015								24 - 27				
T.B.D	MENASASI												
T.B.D	Gulf Safety												
T.B.D	International FDR/CVR Investigation Research Group Meeting												
CA	CAO Workshop on Best practices to prevent Runway Incursion/Runway excursions and PANS-AGA GREPECAS- Project F2					18 - 22							

Abdulelah Felimban Adnan Malak Abdullah Abualhitail Mohammed Abdulbari Ismail Kashkash

Approved By: Abdulelah Felemban Director Safety Analysis & Prevention

provea By: Koshy Capt. Ibrahim Alector General



Training Schedule

Frequency	Focus:	Conducted by:
Every 24 months	Blood Borne Pathogen Training (Use of BBP Kits)	AIB
Every 24 months	Site Safety (Masks / Respirators / Protective gear/)	AIB
Every 24 months	Markings & Photography (Flags, Markers, Chalks, Spray)	AIB
Every 24 months	Evidence Collection & Preservation (Fluids / Solids / Perishables & packing & labeling)	AIB
Every 24 months	Field Equipment Familiarization (Tents/Shades/Lighting/Barriers/Generators/Personal Gear)	AIB
Every 12 months	Field Equipment Familiarization (Vehicle Equipment Familiarization/ 4x4 SUVs Truck)	AIB
Every 12 Months	CPR & Defibrillator training	AIB
Every 12 Months	First aid / CPR training	Saudi Red Crescent
Monthly	Field Equipment Exercise (FARO 3D Laser Scanner)	AIB
Monthly	Field Equipment Exercise (UAV)	AIB



Go-Team PPE & Equipment



Evidence Collection



Flags & Marking Kit



First Aid and Hygiene



PPE Supplies



Go-Team PPE & Equipment



Cordon/ Barrier & Site Protection



Personal
Backpack
& Survival Gear



Personal Kit with Backpack



Personal Kit Contents



3D Laser Scanner







Satellite Imagery













Aviation Investigation Bureau Saudi Arabia





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Flight Log

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Pre-Flight Checklist





Drone Assembly



Observation on Ground Station

Concepts Discussions



Technical Review - Drone





Practice Flights



Documentation of Flight Log
Aviation Investigation Bureau Saudi Arabia



Pre-Flight Preparations



Familiarization of Remote Control

Recorders Lab







AIB Drills



Team on-site discussing Scope



Site Survey



Site preparation



Aerial Site Survey and Imaging



AIB Drills



PPE preparation



Team on-site



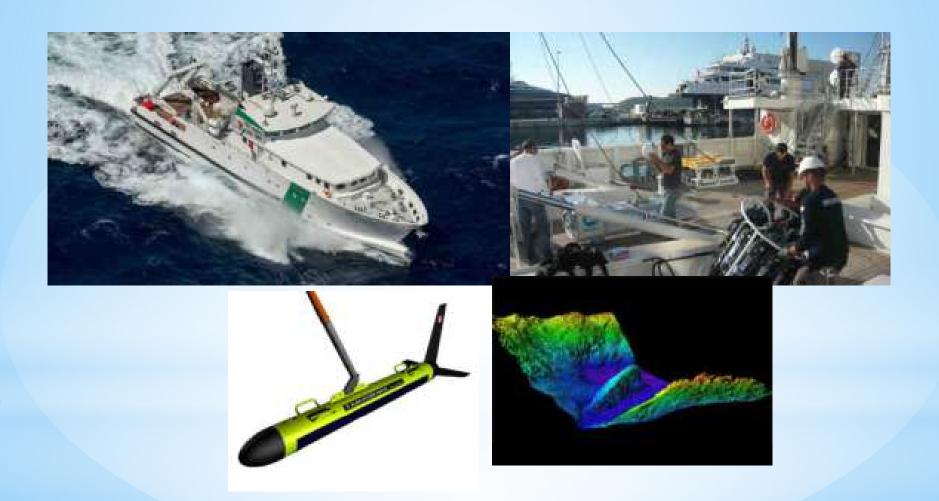
Tools and checklists execution



Site Laser Scanning and Imaging



AIB Partners





AIB Partners





What Investigative Capabilities Do you need?

- Strategy
- Plans



Investigative Capability
 = Personnel + Equipment

It is a continual process