Challenges in Establishing an Independent
Aviation Investigation Bureau

Topics

➢ Civil Aviation History in KSA.

➢ Civil Aviation Law.

➢ Aircraft Accident/ Incident Investigation.

➢ Aviation Investigation Bureau (AIB).

➢ AIB and SMS.

➢The appearance of Civil Aviation goes back to year 1934 G when one of the petrol companies has established a desert runway near Al Jubail city for first team of geologists to explore for oil.

➤ The Kingdom owned its first civil aircraft (DC-3 Dakota) in 1945 G.

➢The first Civil Aviation rule in the Kingdom was issued in 1953 G Upon its separation from the Saudi Royal Air Force (Presidency of Civil Aviation).

General Authority of Civil Aviation

➢ In 1977 G the name of Presidency of Civil Aviation has been amended
into the
General Authority of Civil Aviation.

➢ Safety and Economic Regulation (S&ER) as a division of the GACA:

✓ Investigates every civil aviation Accidents/ Incidents in KSA.

✓ Issues Safety Recommendations intended to prevent Reoccurrences,

✓ Maintaining Civil Aviation Accidents database.

✓ Conduct Aviation Safety studies.

Civil Aviation Law– KSA

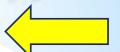➢ Issued by Royal decree number M/44 on

23 August 2005 G. (14) Chapters and (180) Articles

Civil Aviation Law – Chapters.

1. General Provisions

2. Air Carriage Regulation

3. Aerodromes and
   Navigational Service Facilities

4. Aircraft

5. Airspace Rules

6. Flying Permits and Training

7. Air Carriage and Aerial
   Work Operations

8. Aviation Accidents

9. Search and Rescue

10. Aircraft Operation Liabilities
    and Guarantees

11. Crimes and Acts against
    Safety and Security of Civil
    Aviation

12. Penalties and Punishments
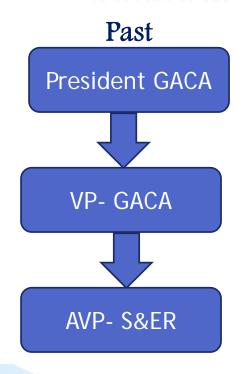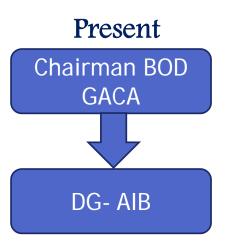
13. Military Aircrafts

14. Concluding Provisions

Article (107) Bureau of Investigation.

"An independent bureau shall be established under the supervision of the Board of Directors to undertake investigations into accidents and incidents involving civil aircrafts within the territory of the Kingdom, Saudi aircrafts or aircrafts operated by Saudi nationals over the high seas or territories not owned by any country in accordance with conditions and controls set forth in the investigation regulations".

2012 GACA acted into establishing an Independent Aviation Investigation Bureau.

Past	Present
President GACA	Chairman BOD GACA
↓	↓
VP- GACA	DG- AIB
↓	
AVP- S&ER	

- Drafting AIB Regulations In Accordance With ICAO Annex 13 (Aircraft Accident and Incident Investigations).

- Jan 2013 G AIB Regulations were accepted by the Chairman.

- Oct 2013 G AIB Regulations were in effect.

➢ Separation of Aircraft Accident/ Incident Investigation function from the Regulator into an Independent organization (AIB) created number of challenges.

   The biggest challenge was meeting the Aviation Community expectations in regard to advancement and enhancement of Aviation Safety.

➢ To meet this challenge number of priorities were identified:

✓ Creation of AIB Regulations.

✓ Communicating and Distributing the AIB Regulations to the Aviation Community.

✓ Encouraging Aviation Occurrences Notifications.

✓ Collecting/ Maintaining and Tracking Aviation Occurrences in a data base (AOTS).

✓ Follow up/ escalation of Safety Recommendations Implementations.

✓ Organization structure and staffing.

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                    │    DG- AIB   │
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│ Investigation │  │ Safety & Prevention │  │ M & M Laboratory  │
└──────────────┘  └─────────────────────┘  └───────────────────┘
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- ✓ Building up in-house investigation capabilities through strategic partnership with world class Laboratories specialized in Metal and Material analysis (KAUST, Intertek).

- ✓ Open channels of communication with foreign Investigation Entities for Experience and Skills transfer (NTSB, ATSB, CTSB, BEA, AAIB).

AIB and SMS

➢ Because error and hazard can occur at all levels of an operation, the AIB (during its investigations process) audit the operation to ensure that SMS is integrated within the organizational culture.

➢ Ensure Safety Recommendations address prevention of Accidents/ Incidents reoccurrence through Managing Risk.

➢ Train and educate Aviation Community (Safety Promotion):

- ✓ Aircraft Accident Investigation (SCSI)
- ✓ Communicating Aviation Disaster
- ✓ Human Factor Training (SCSI)
- ✓ SMS for Investigators (AQS)
- ✓ Investigation Management (SCSI)

THANK YOU