

ARIK AIR



**AIR OPERATOR CERTIFICATION PROCESS
RISK MITIGATION ASSOCIATED WITH CFIT
AIRLINE PERSPECTIVE**

CFIT MITIGATION MEASURES

AIR OPERATOR'S PERSPECTIVE

- **CFIT OCCURS**
 - AN AIRWORTHY AIRCRAFT UNDER PILOT CONTROL UNINTENTIONALLY FLIES INTO
 - TERRAIN
 - OBSTACLES
 - WATER
 - **DUE TO**
 - LACK OF SITUATIONAL AWARENESS
 - NAVIGATION
 - PROCEDURAL ISSUES
- THE AOC CERTIFICATION PROCESS DEFINED BY ANNEX 6 DOC 8335 IS DESIGNED TO ENSURE:
OPERATORS HAVE-
 - RIGHT SYSTEMS ON BOARD AIRCRAFT
 - RIGHT TRAINING
 - RIGHT PROCEDURES
 - ROBUST OVERSIGHT FUNCTIONS TO MANAGE ALL OPS RISKS INCLUDING CFIT

CFIT MITIGATION MEASURES

AIR OPERATOR'S PERSPECTIVE

- **TECHNOLOGY**

- MANDATORY TAWS(TERRAIN AWARENESS AND WARNING SYSTEM) INSTALLATION FOR TURBINE AIRCRAFT-(ICAO ANNEX 6, PART 1,6.15)
- CONTINUOUS SUBSCRIPTION OF NAV DATA FOR REGULAR UPDATING OF NAVIGATION AND TERRAIN DATABASES

- **OPERATIONAL PROCEDURE**

- STRICT ADHERENCE TO MINIMUM SAFE ALTITUDES
- STABILIZED APPROACH CRITERIA
- GO-AROUND POLICIES
- USE OF RNP/RNAV PROCEDURES WHERE APPROPRIATE TO IMPROVE TERRAIN CLEARANCE
 - (ICAO DOC 8168 (PANS-OPS) AIRCRAFT OPERATIONS)

CFIT MITIGATION MEASURES

AIR OPERATOR'S PERSPECTIVE

- **TRAINING**

- RECURRENT SIMULATOR SESSIONS INVOLVING TERRAIN PROXIMITY, LOW VIS, AIRCRAFT ENERGY AND AUTOMATION MANAGEMENT
- EMPHASIS ON SITUATIONAL AWARENESS
- RECURRENT CFIT AVOIDANCE INTO TRG MODULES
- **“NO FAULT”** GO-AROUND DECISION MAKING
- EMPHASIS ON GOOD TAKE OFF AND APPROACH BRIEFINGS WITH THREAT TEM INCORPORATED
- STABILIZED APPROACH CRITERIA ENFORCEMENT AND ALTITUDE DISCIPLINE
- ADHERENCE TO SOPs

CFIT MITIGATION MEASURES

AIR OPERATOR'S PERSPECTIVE

- **SAFETY MANAGEMENT SYSTEM**
 - INTEGRATION OF CFIT INTO HAZARD IDENTIFICATION AND RISK ASSESSMENT PROCESS
 - EFFECTIVE AND ROBUST FLIGHT DATA MONITORING –FOQA
 - TO DETECT UNSTABLE APPROACHES OR LOW ALTITUDE EVENT
 - (ICAO ANNEX 19 FDM PROGRAM)
 - PROMOTION OF PROACTIVE RISK MANAGEMENT VIA SMS
 - ENABLES CONTINUOUS IMPROVEMENT THROUGH DATA ANALYSIS
 - ENSURE COMPLIANCE WITH ICAO & EASA STANDARDS

CFIT MITIGATION MEASURES

AIR OPERATOR'S PERSPECTIVE

- **SUMMARY**

- AOC PROCESS SERVES AS A REGULATORY GATEWAY AND RISK CONTROL MECHANISM
- FROM AN AIR OPERATOR'S PERSPECTIVE:
 - IT PROVIDES THE STRUCTURE THROUGH WHICH CFIT HAZARDS ARE IDENTIFIED, MITIGATED AND CONTINUOUSLY MONITORED THROUGH
 - TECHNOLOGY (TAWS)
 - PROCEDURES (SOPs)
 - TRAINING
 - SMS

- **ULTIMATELY**

- CERTIFICATION ENSURES THAT AN OPERATOR'S
 - CAPABILITY TO MANAGE CFIT RISK IS
 - SYSTEMIC
 - DEMONSTRABLE
 - SUSTAINABLE
- RATHER THAN REACTIVE OR COMPLIANCE-BASED

ANY QUESTION?