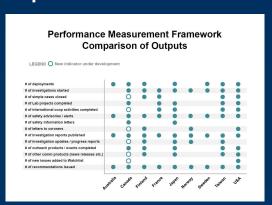
# Recent Developments and Experiences Aviation Safety Council, Taiwan

ITSA Chairman Meeting 2017 Tokyo, Japan, Sep 25-27

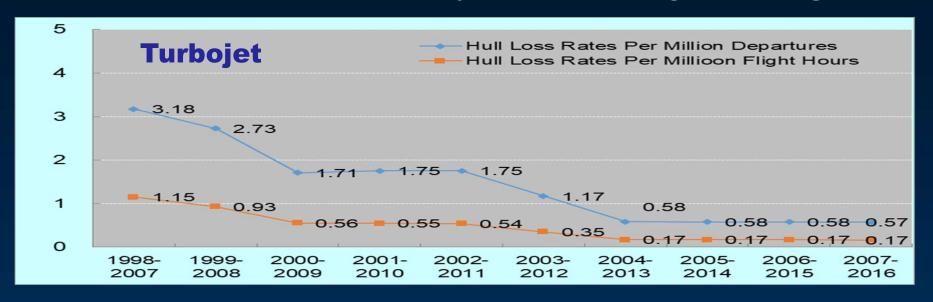


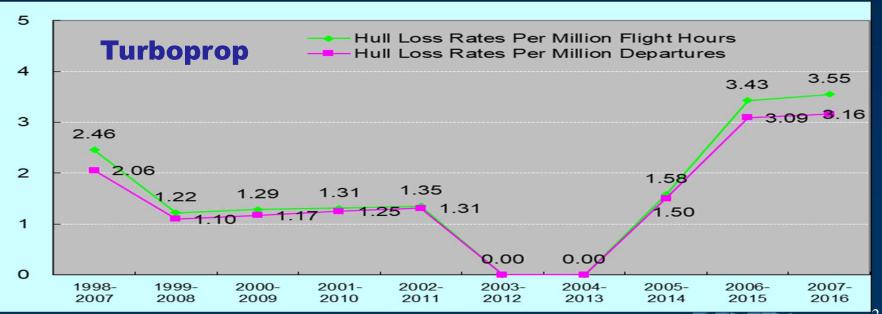
# Performance Measurement 2016(2015)

- 34 (26) Occurrences reported to ASC
- 10 (10) Go team deployments
- 9 (7) Investigations started
- 7 (10) Investigation reports published
- 83 (85) Recommendations issued
- 0 (0) Interim Flight Safety bulletin issued
- 0 (2) International cooperation activities completed
- 51 (43) Outreach products/events completed
- Average time for completing investigation reports
  - 13.8 (10.2) months for report published, or
  - 12.3 (GE222 & GE235 excluded)



### Hull loss rate with 10-year moving average





## Amendment of the ACT

The legislative process of the Aviation Occurrence Investigation Act amendment is started in 2017

- Scope of the UAS occurrences to be investigated
- Immunity of the voluntary safety reporting system
- Penalty to the violation of preserve the integrity of the occurrence site



#### Research

#### The 2016 - 2018 research project

- Developing an aviation occurrence investigation quality management system – Occurrence Investigation Management System
- Flight crew/Cabin crew fatigue management evaluation
- Runway excursion/hydroplaning investigation Texas
   Transportation Institute (TTI) model re-evaluation
- Promoting the installation of light weight recorders on the Small/Public aircraft



#### Preliminary Result of the Lightweight Recording System Study

- Tested on AS-365, Bell 206, ultralight
- 4 hrs of image and audio, 200+ hrs of inertial data
- Basic flight parameters recorded with satisfying accuracy
- Understand aircraft states and handling qualities
- Understand flight instrument status and cockpit environment thru recorded images and audio
- Event detection & FOQA capability for small operators
- Elevate efficiency of GA occurrence investigation





# Thank You

