

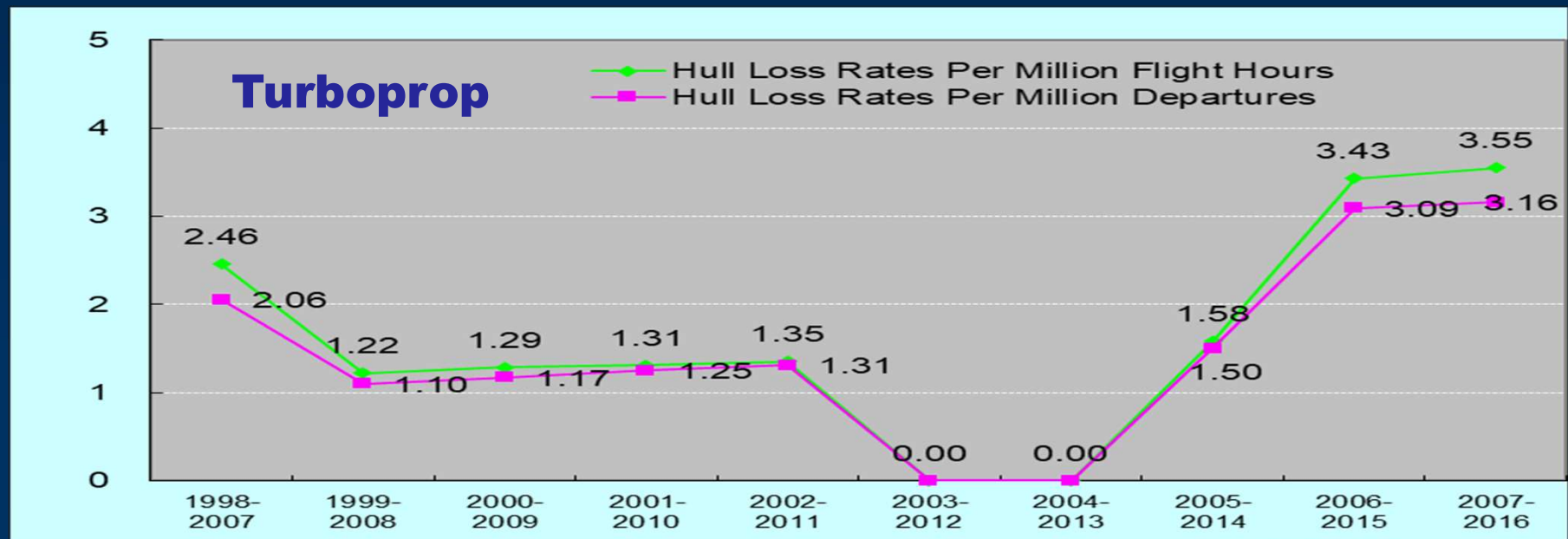
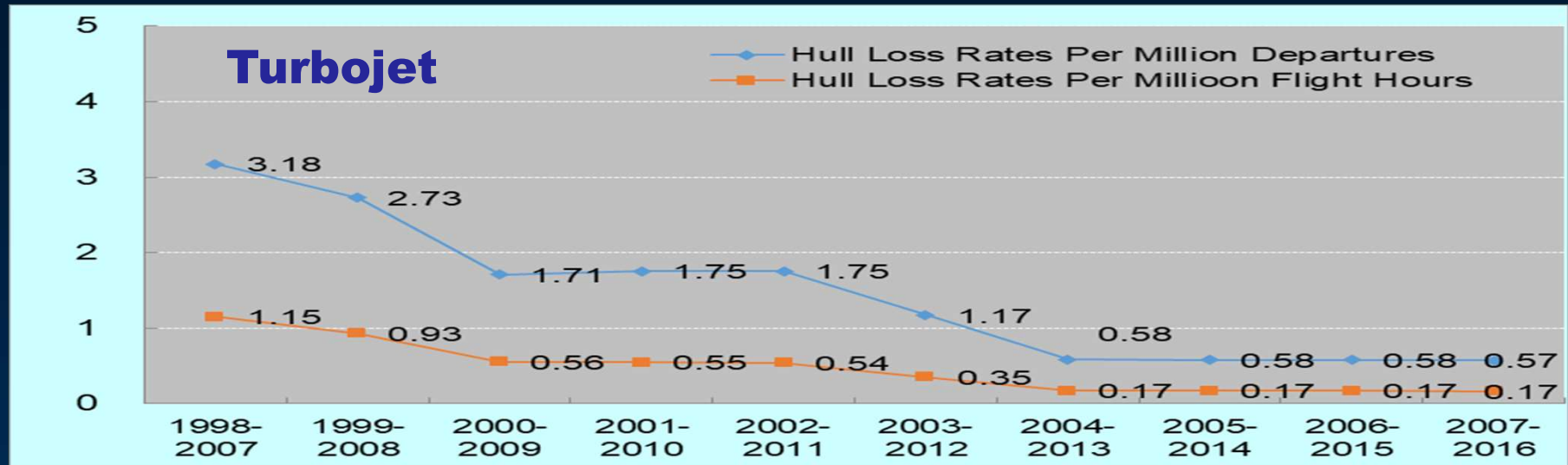
Recent Developments and Experiences

Aviation Safety Council, Taiwan

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



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, ultra-light
- 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