# Reducing runway safety accidents
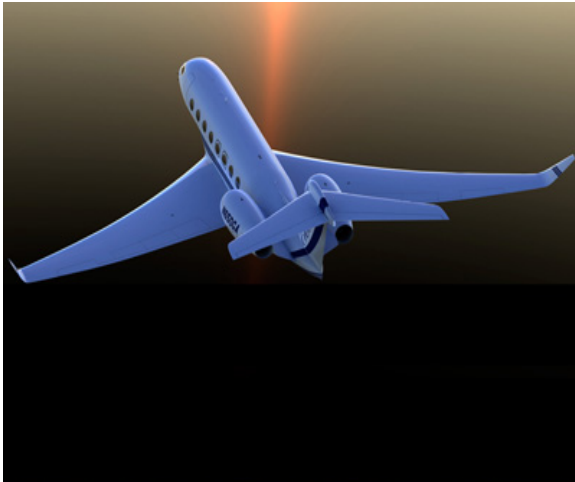
Michael Hohm, Director ICAO Liaison

International Business Aviation Council

# Business Aviation Characteristics

- Business aviation includes commercial air taxi, and non-commercial corporate, fractional and owner-operated.
- Point-to-point, most direct, fuel-efficient routes
- Departure times based on specific requirement
- Use of large number of operating locations
  - Secondary Airports
- Wide spectrum of aircraft types – From Single –engine, propeller driven to high performance Jets.
  - Single pilot and Multi-crew operation

# The BA Advantage …

o   Flexibility

o   Travel time savings for executives and staff

o   Efficient use of time

o   Cost-effective

o   Face to face contact

o   Corporate security

o   Access to remote or
    small communities

# Safety Challenges

- ICAO does not collect data for general aviation.

- Scope of Business Aviation activity often overlooked

- Considerable variation in regulation and oversight
    - Annex 6 Part II (2010)
    - Other acceptable means of compliance
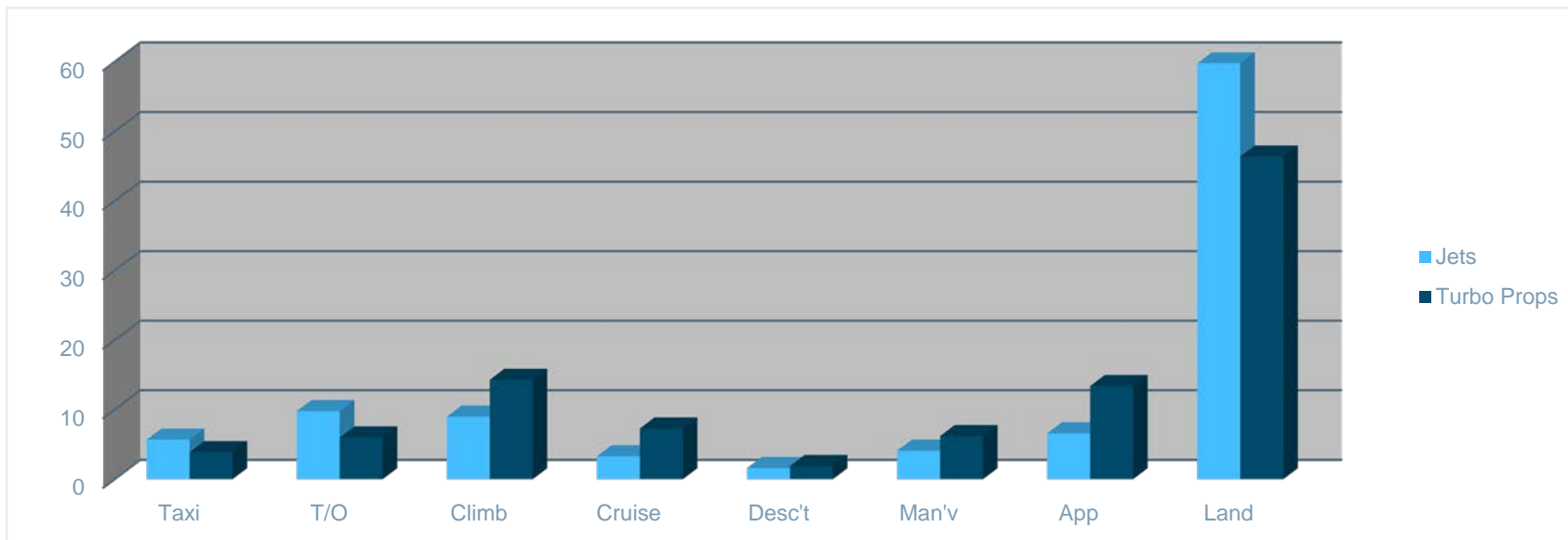    - Industry standards

# BA Accidents- by phase of flight
## Five year totals ending 2015

| Accident Summary by Phase of Flight | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Taxi | T/O | Climb | Cruise | Desc't | Man'v | App | Land | Total |
| **Business Jets** | 7<br>5.7% | 14<br>11.4% | 12<br>9.8% | 4<br>3.3% | 2<br>1.6% | 4<br>3.3% | 10<br>8.1% | 70<br>56.9% | 123<br>100% |
| **Turbo Props** | 13<br>3.9% | 20<br>6.0% | 48<br>14.3% | 27<br>8.1% | 5<br>1.5% | 20<br>6.0% | 47<br>14.0% | 155<br>46.3% | 335<br>100% |

# Looking Beyond the Data

- Runway length was seldom a factor.
- Fatigue did not appear as an issue.
- Pilot experience was not an evident problem,
- Low ceilings and visibility not prevalent.
- Day/night not a factor.

# General Observations

- Poor speed control and unstable approaches most prevalent cause.

- Incorrect or lack of reported runway conditions were a frequent factor.

- Crosswind and gusts were also frequent.

- Poor runway conditions and snow clearance frequent factors

# Opportunities and Challenges

- Runway Status Lights
- Improved runway condition reporting
  - TALPA
- Accelerate implementation of vertical guidance approaches
- Improve data collection
- SMS implementation

# Thank You

# Gracias

International Business Aviation Council