

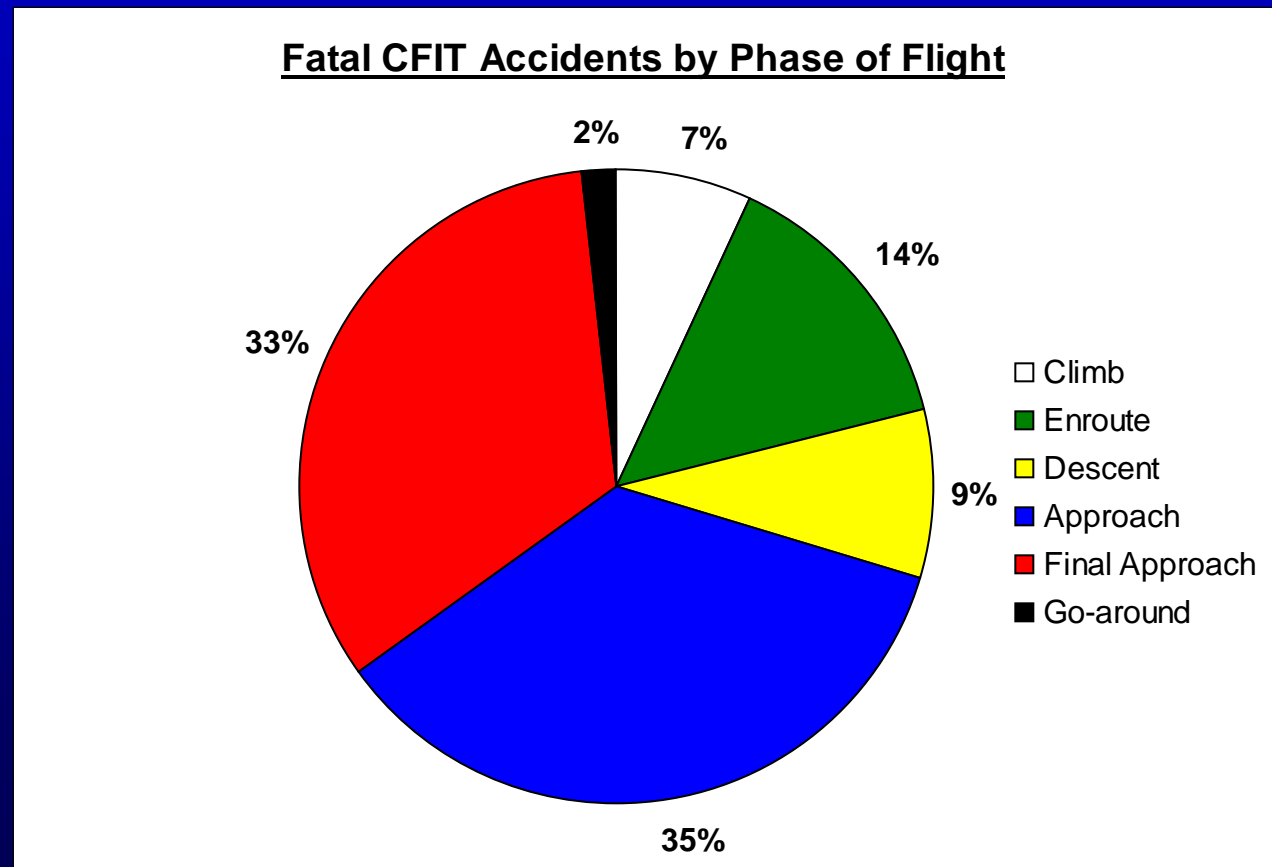
Progress of CFIT Task Force

Content

- Review of CFIT Data
- Literature Survey of Previous CAA Work
- Progress with Recommendations from Previous CAA Work
- Industry Work
- Next Steps

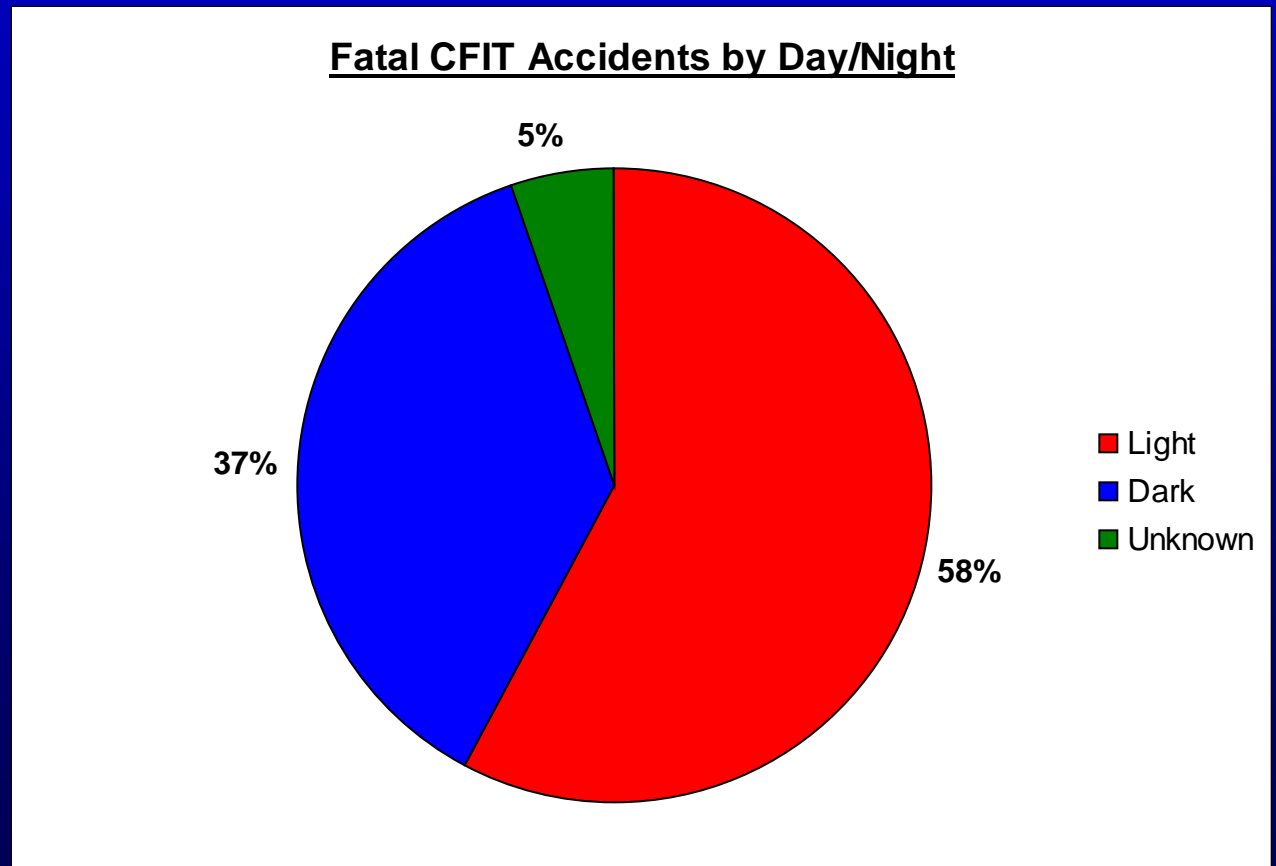
Review of CFIT Data

- 57 fatal CFIT accidents (1998 to 2007)
- 1,635 fatalities (88% of occupants killed)



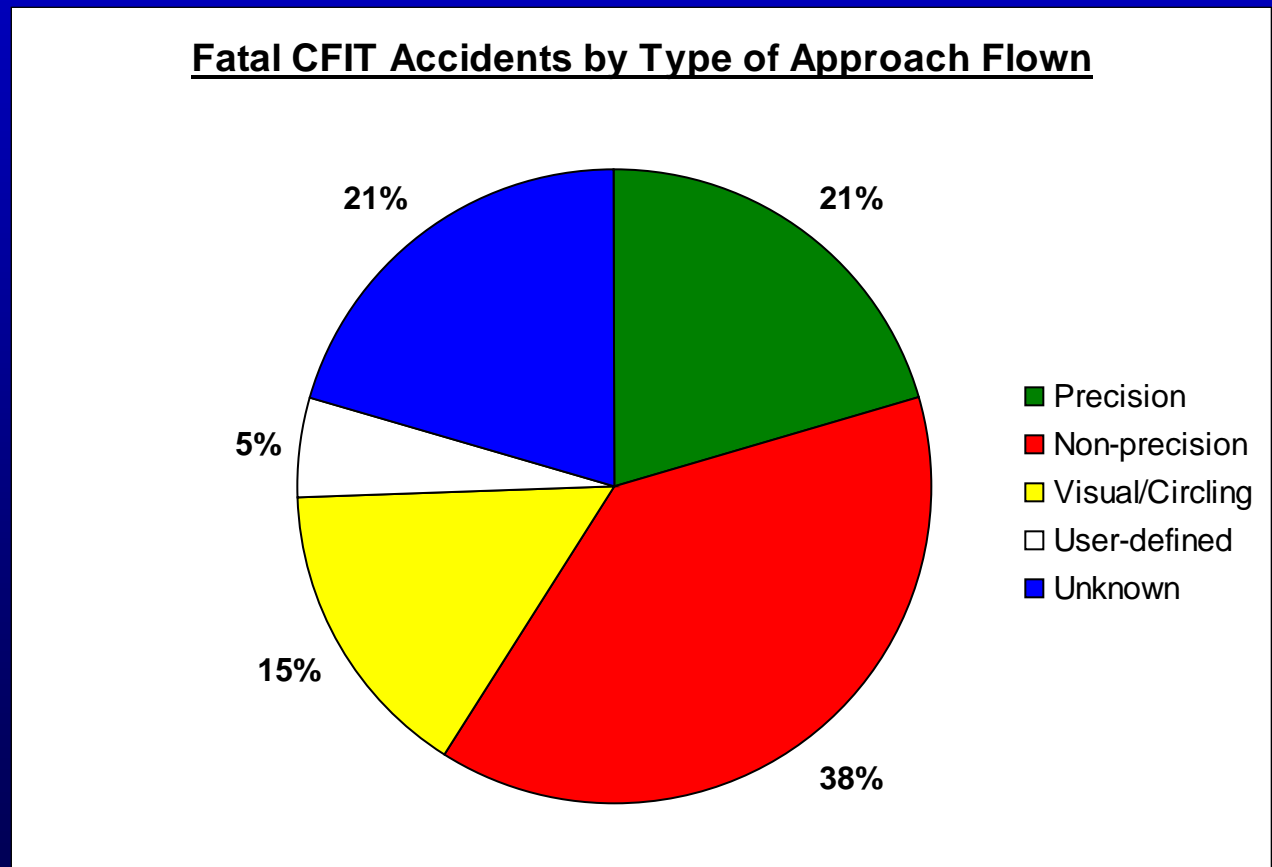
Review of CFIT Data

- Over half occurred in daylight



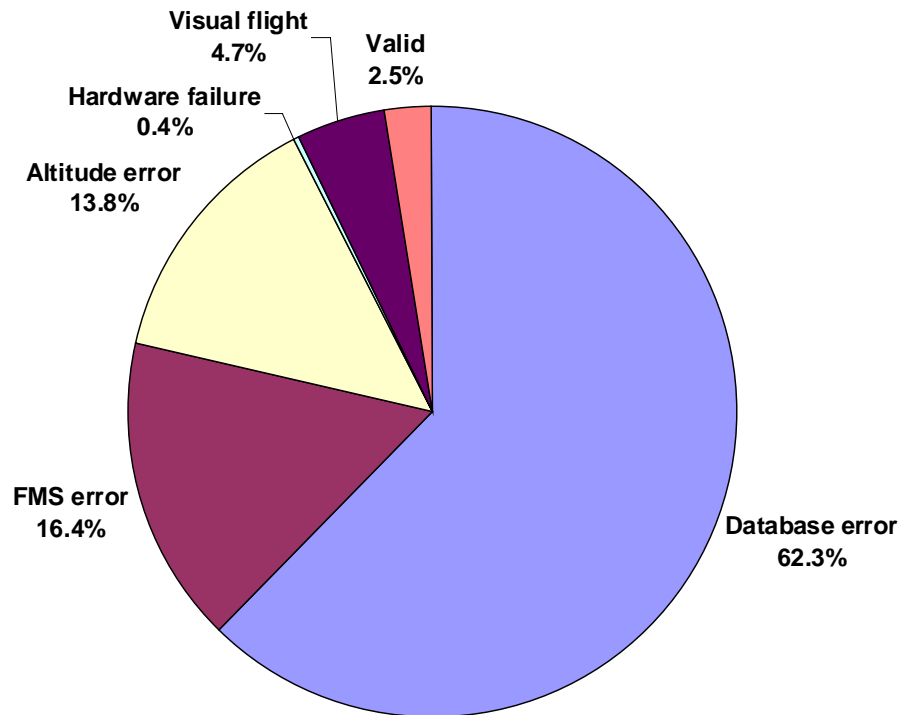
Review of CFIT Data

- Over half occurred during non-precision or visual/circling approaches



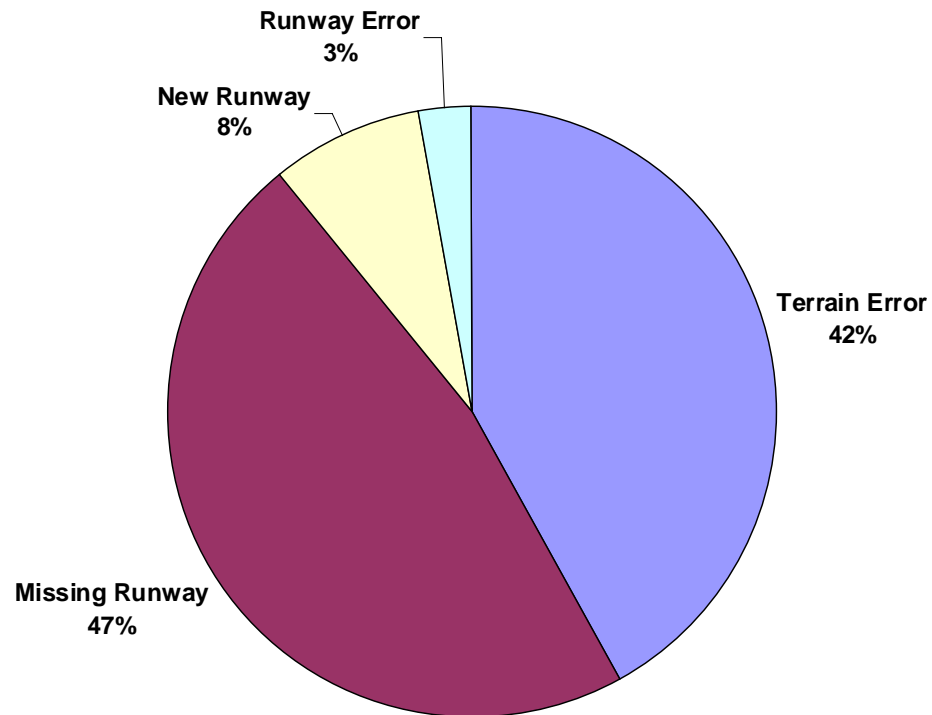
Review of CFIT Data

- TAWS warnings by cause



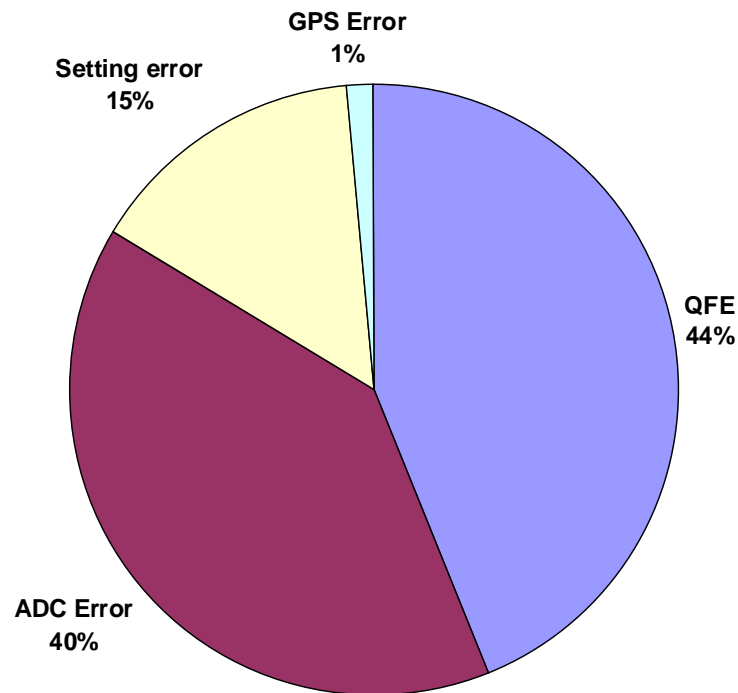
Review of CFIT Data

- TAWS database errors by cause



Review of CFIT Data

- TAWS altitude errors by cause



Literature Survey of Previous CAA Work

- CFIT Fishbone Group 2005
 - 18 recommendations
 - 6 included in 2006 CAA Safety Plan
- CAA Safety Plan Updates (2007 & 2008)
 - 3 new recommendations included
- CFIT Fishbone Group 2008
 - Further recommendations made but not endorsed

Progress with Recommendations from Previous CAA Work

- Original 6 recommendations:
 - Undertake cost benefit analysis of SSR and/or other approach monitoring improvements
 - Complete design and assessment work for Gatwick APV BaroVNAV trial and six GNSS trial approaches
 - Prepare strategy for APV implementation based on results of trial
 - Complete development of GNSS approach validation tool and make available for use
 - Encourage operators to review training procedures on how to deal with GPWS alerts
 - Review CAP 516

Progress with Recommendations from Previous CAA Work

- Additional 3 recommendations:
 - Publish results of GNSS trial in CAA Paper
 - Seek changes to specification of displayed information to reduce potential CFIT risk during RNAV (GNSS) operations
 - Raise awareness of meaning and correct use of information displayed on certain GPS receivers

Industry Work

- Airline Flight Operations
 - CFIT training
 - SOPs
 - Crew debrief of CFIT-related incidents
- Helicopter Operations
- Air Navigation Service Provider
 - Download of mode S Data
 - Introduction of MSAW (Minimum Safe Altitude Warning)

Next Steps

- Review of 2008 CFIT Fishbone Group Recommendations
- Formulate Future Recommendations