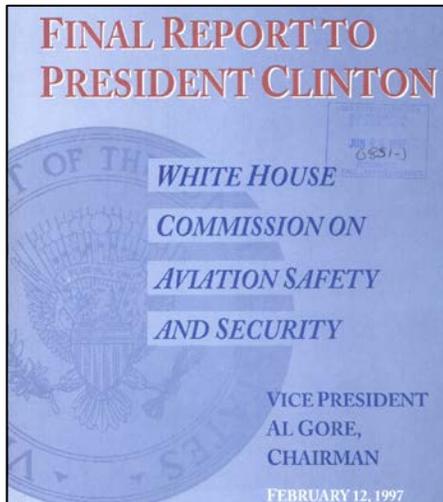


**C**ommercial  
**A**viation  
**S**afety  
**T**eam

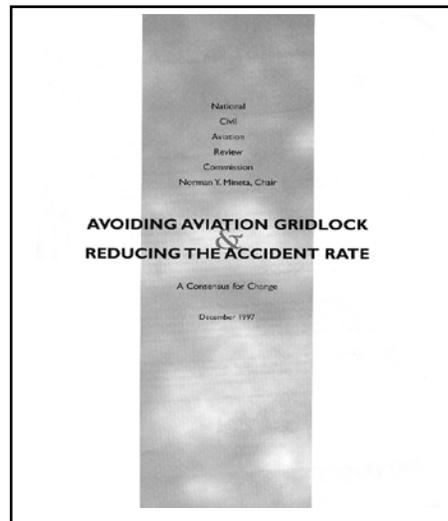




In the United States, our focus was set by the White House Commission on Aviation Safety, and The National Civil Aviation Review Commission (NCARC)



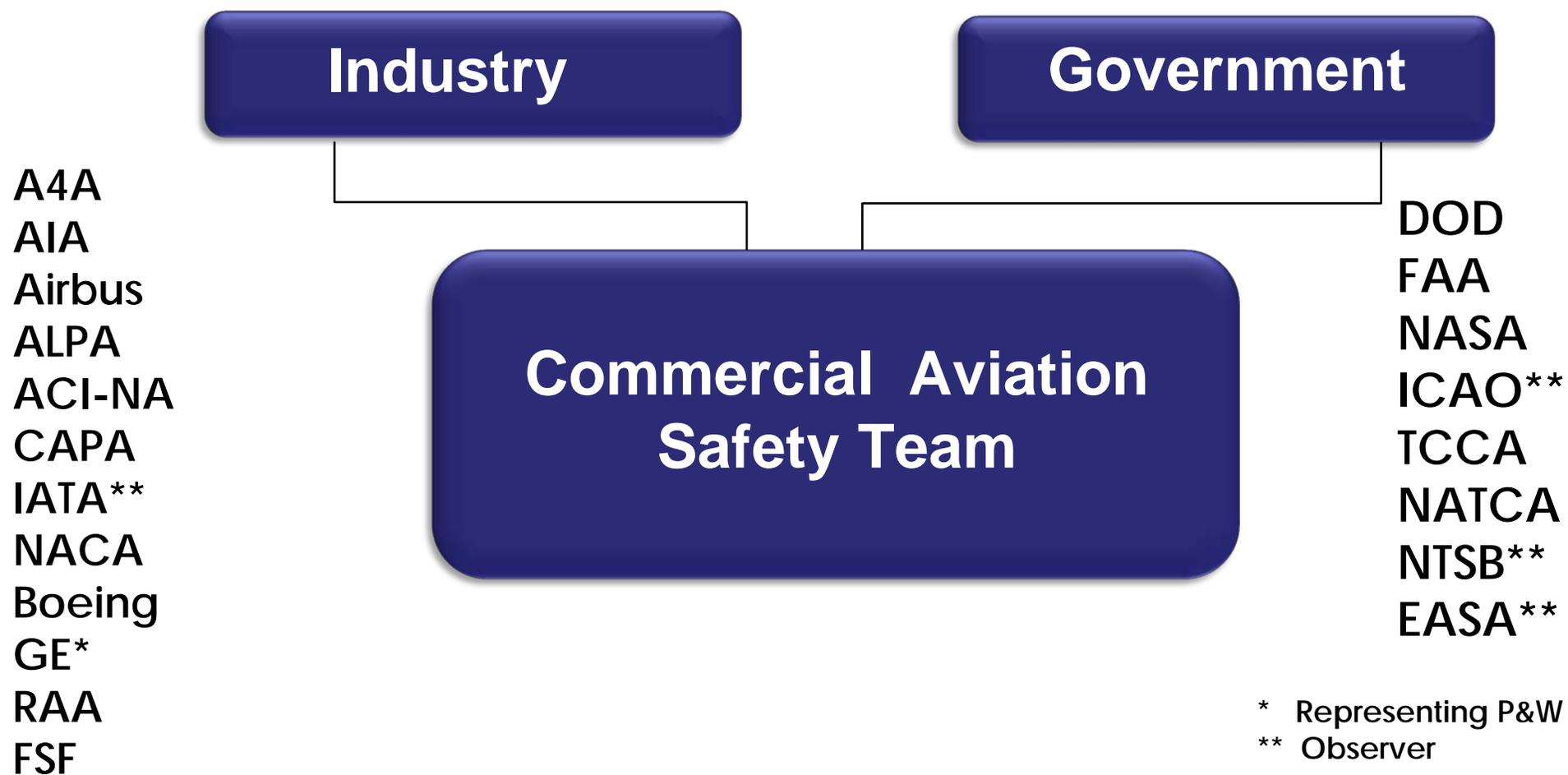
## 1.1 . . . Reduce Fatal Accident Rate . . .



- . . . Strategic Plan to Improve Safety . . .
- . . . Improve Safety Worldwide . . .



CAST brings together key stakeholders to cooperatively develop and implement a prioritized safety agenda.



\* Representing P&W and RR  
\*\* Observer



# CAST Goal

- ▶ CAST came together in 1997 to form an unprecedented Industry-Government partnership...
  - ▶ Voluntary commitments, Consensus decision-making, Data-driven risk management, Implementation-focused.
  - ▶ Goal:



**Original** *Reduce the US commercial aviation fatal accident rate by 2007.*

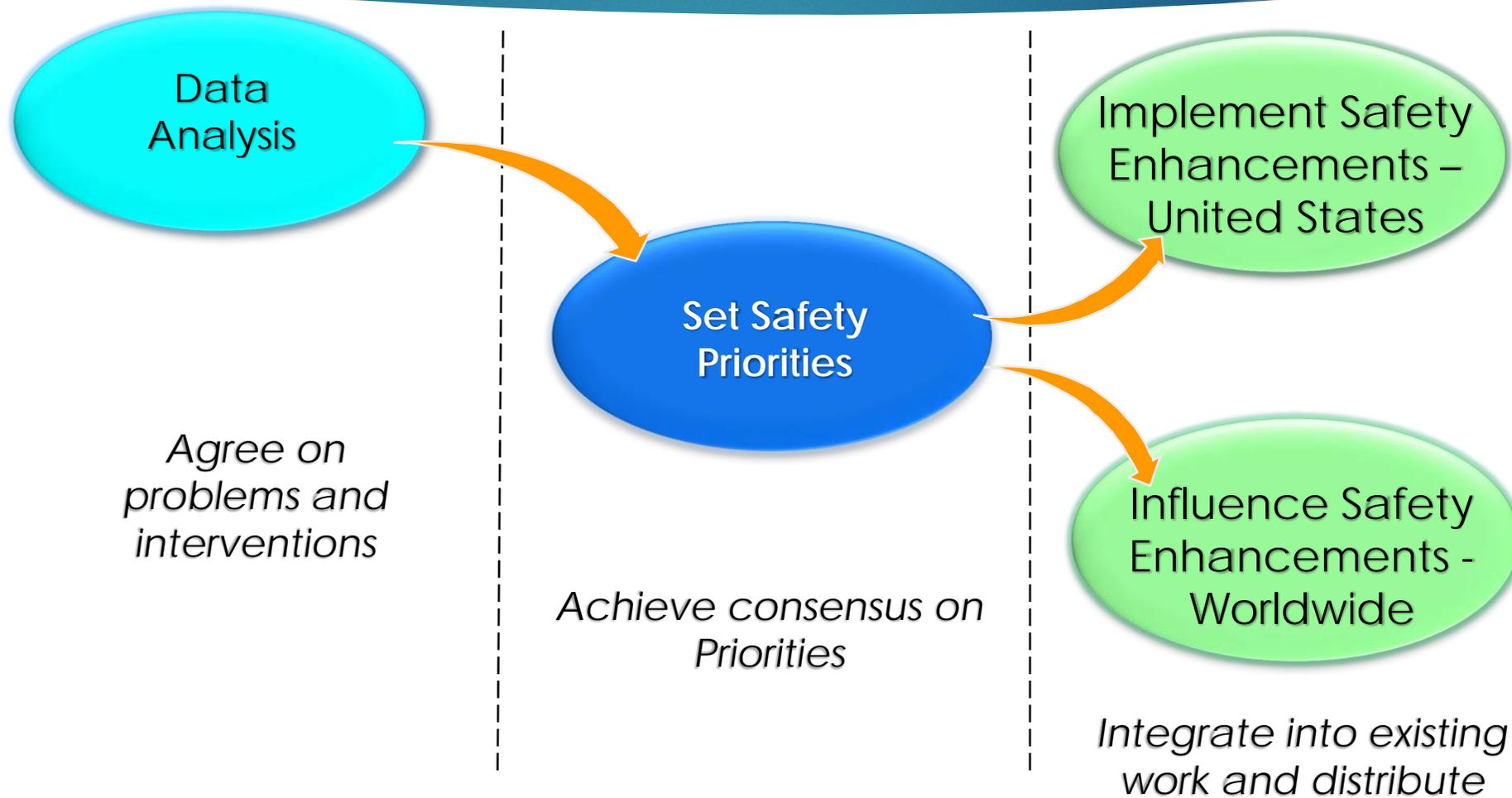
83%

**New**

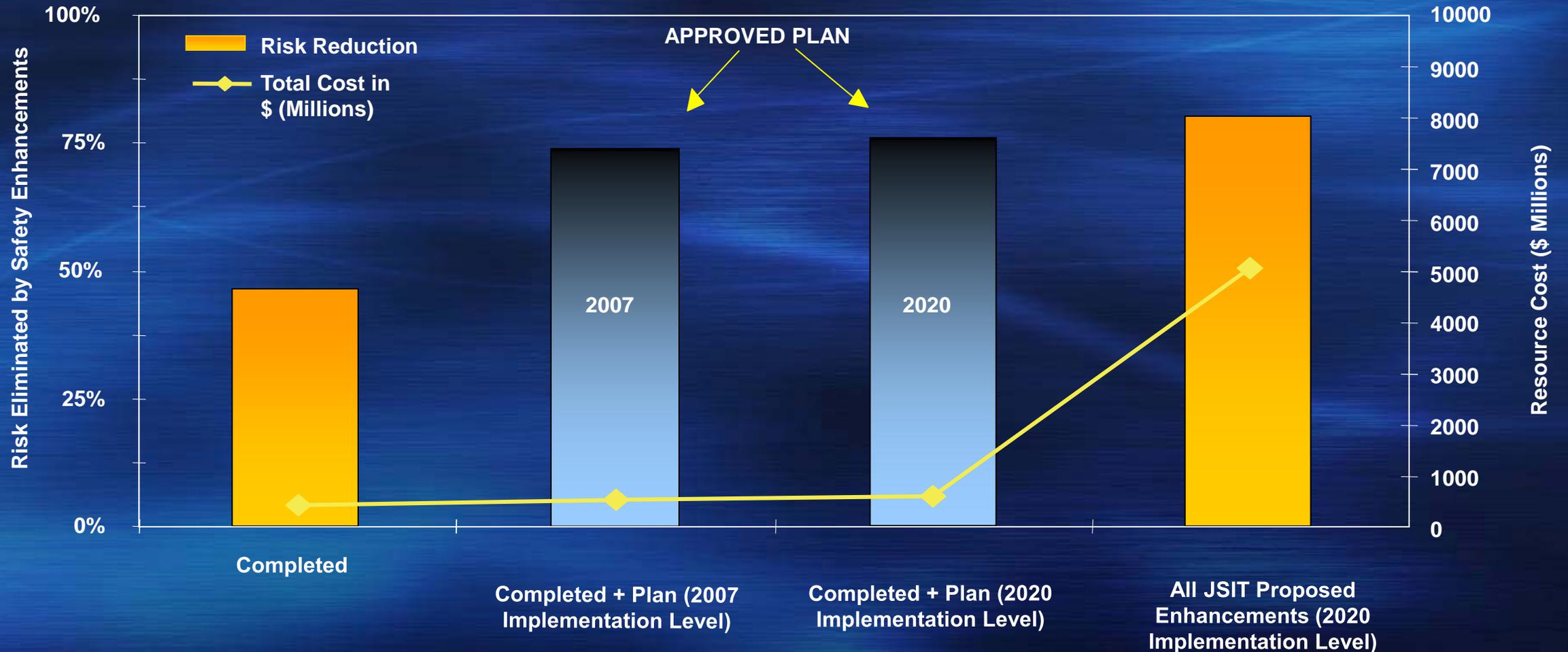
*Reduce the U.S. commercial aviation fatality risk by at least 50 percent from 2010 to 2025.*



# CAST Safety Strategy



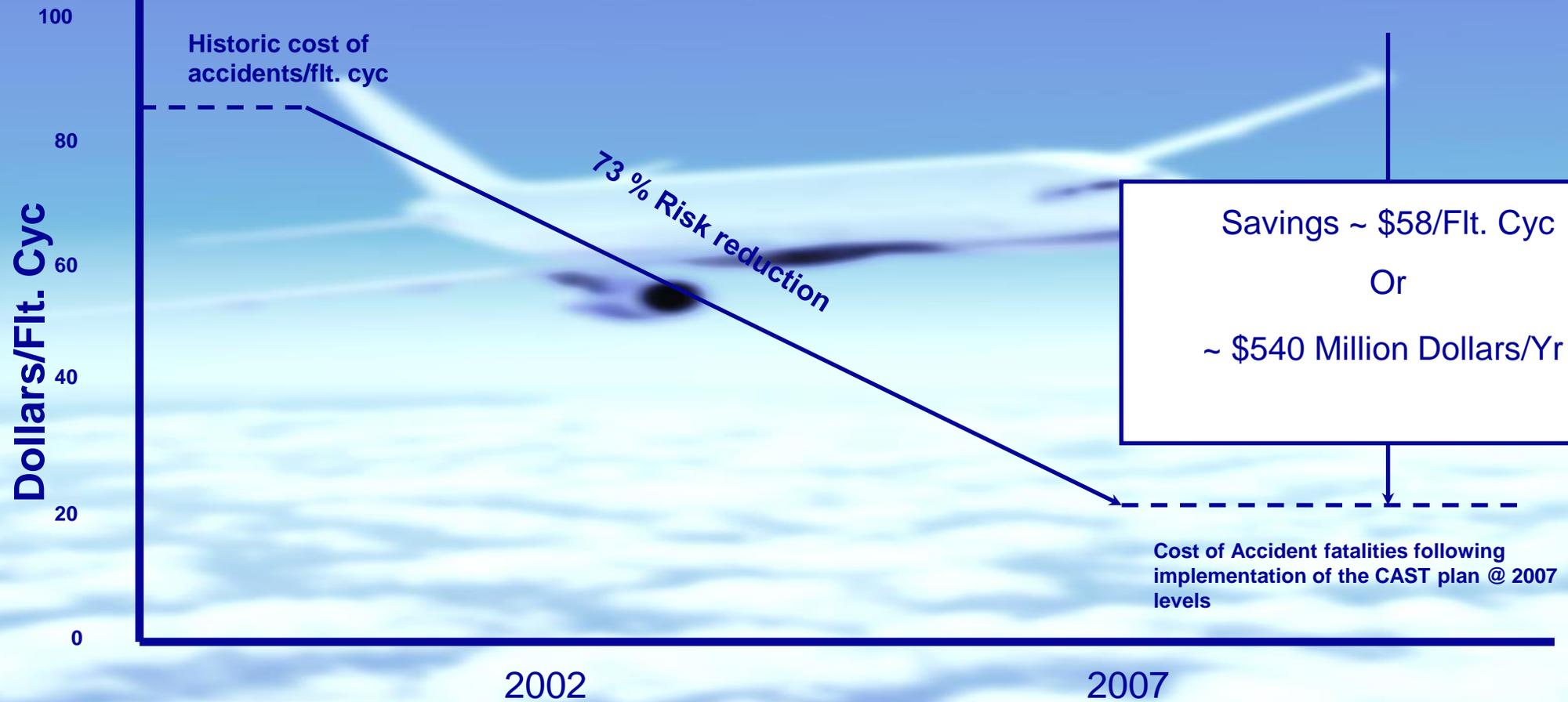
# 2001 CAST Plan Resource Cost vs. Risk Reduction



# Projected Savings (2001 – 2007)



## Part 121 Aviation Industry Cost Due to Fatal/Hull Loss Accidents



# Predicted vs. Actual Part 121 Onboard Fatalities

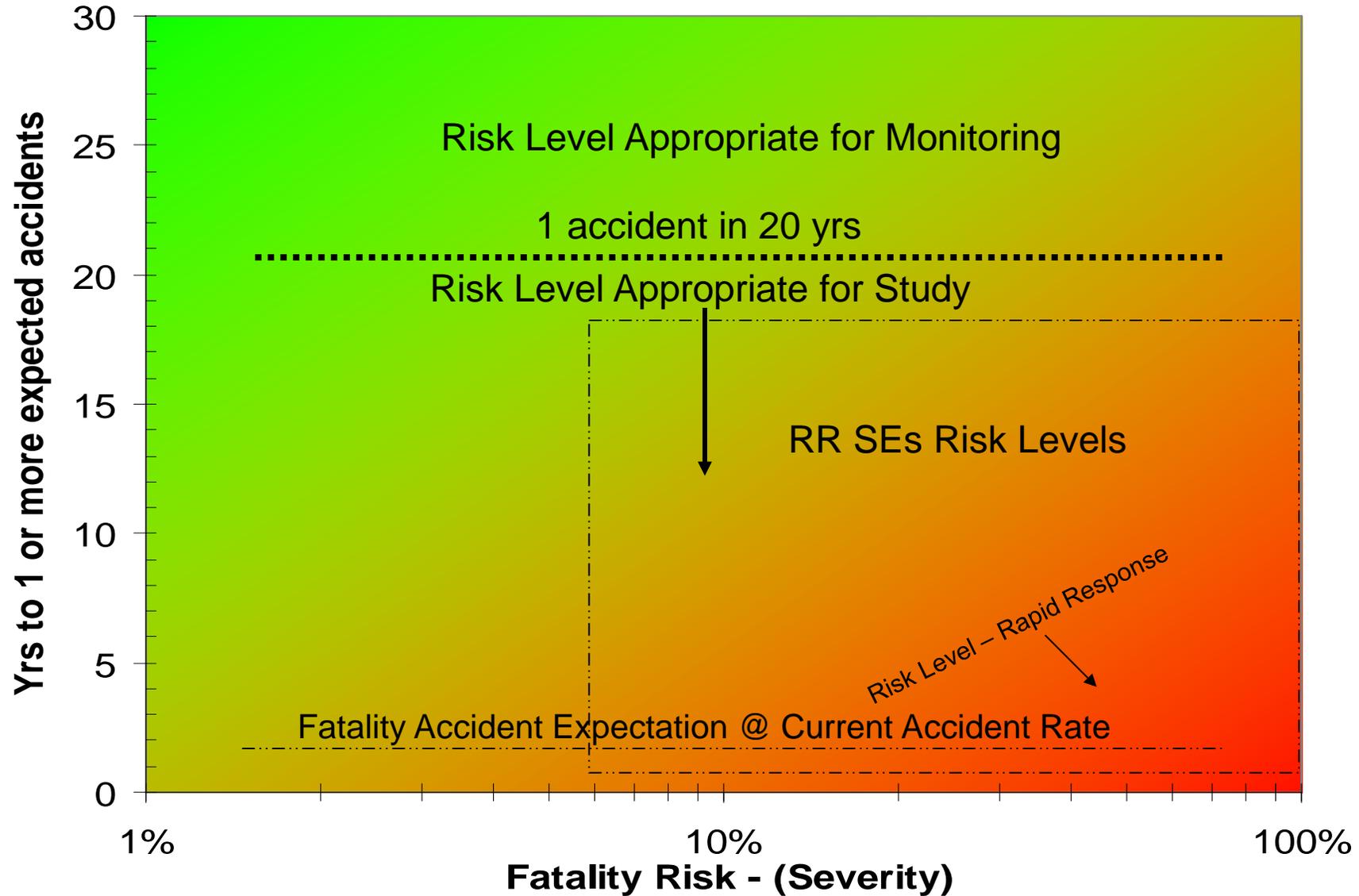


# International Aviation Safety Collaboration

World Regional Accident Rates\* / Million Landings (10-year rolling average)

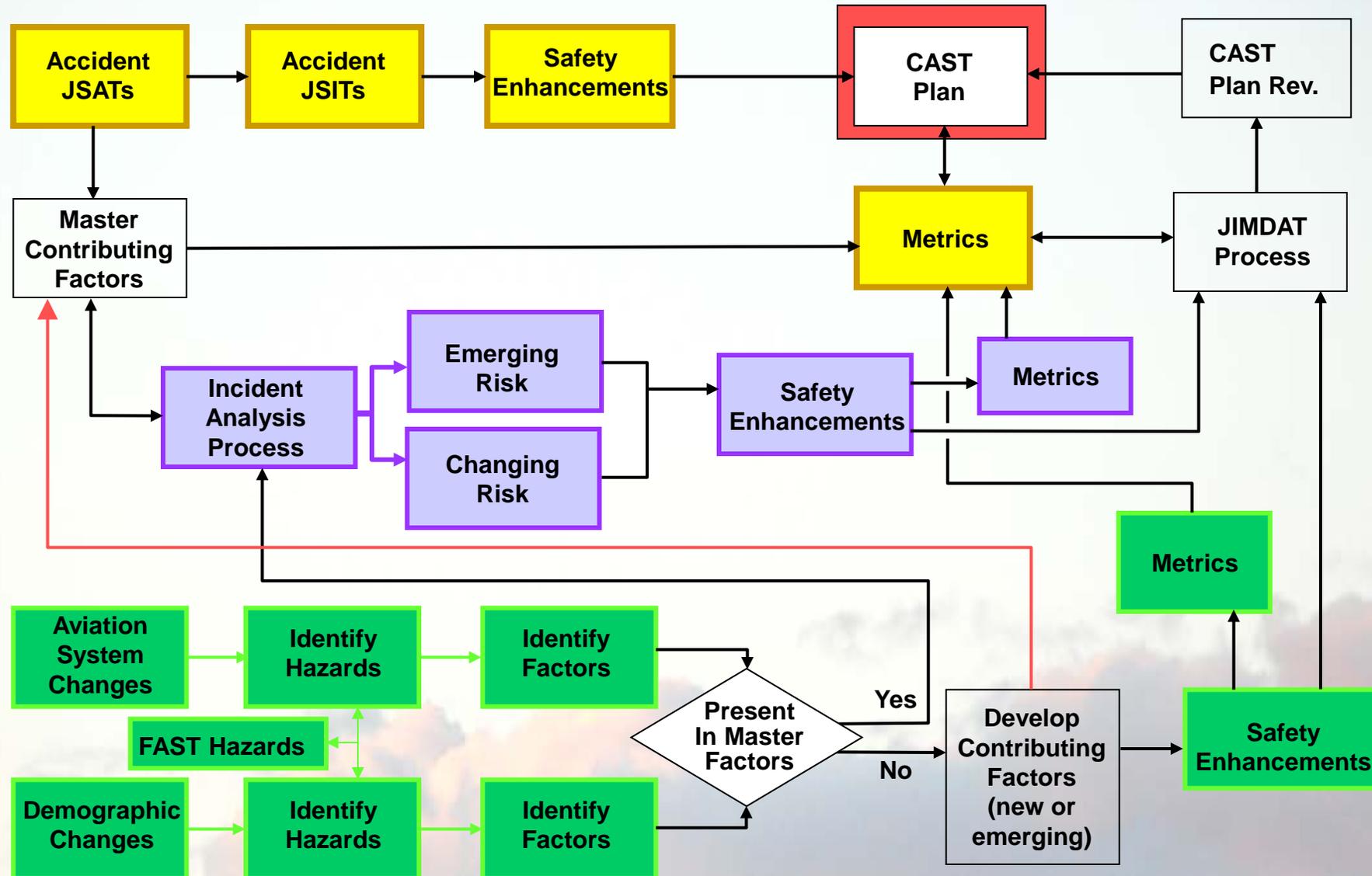


# Study Prioritization (Fleet Risk)

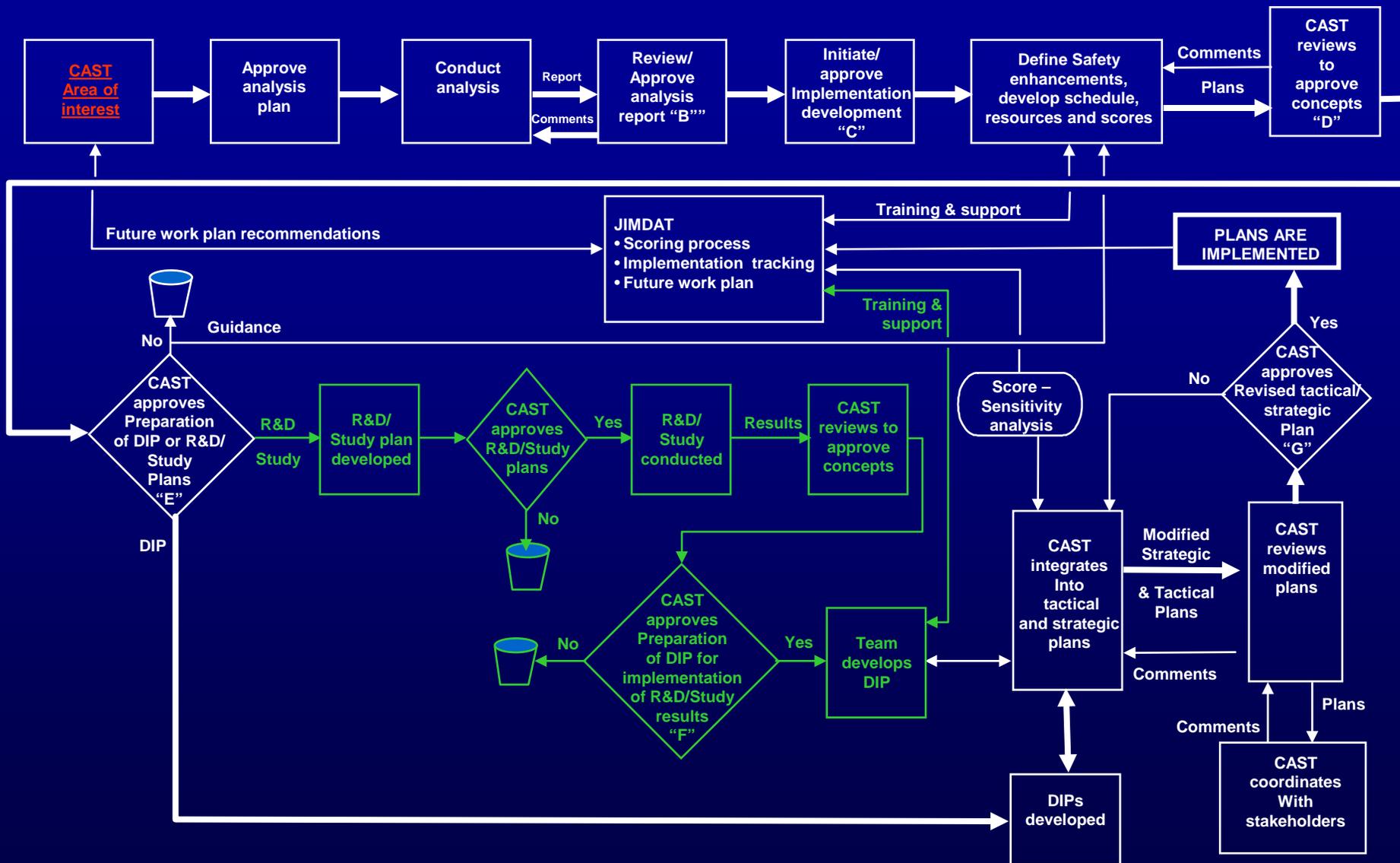




# Safety Plan Development

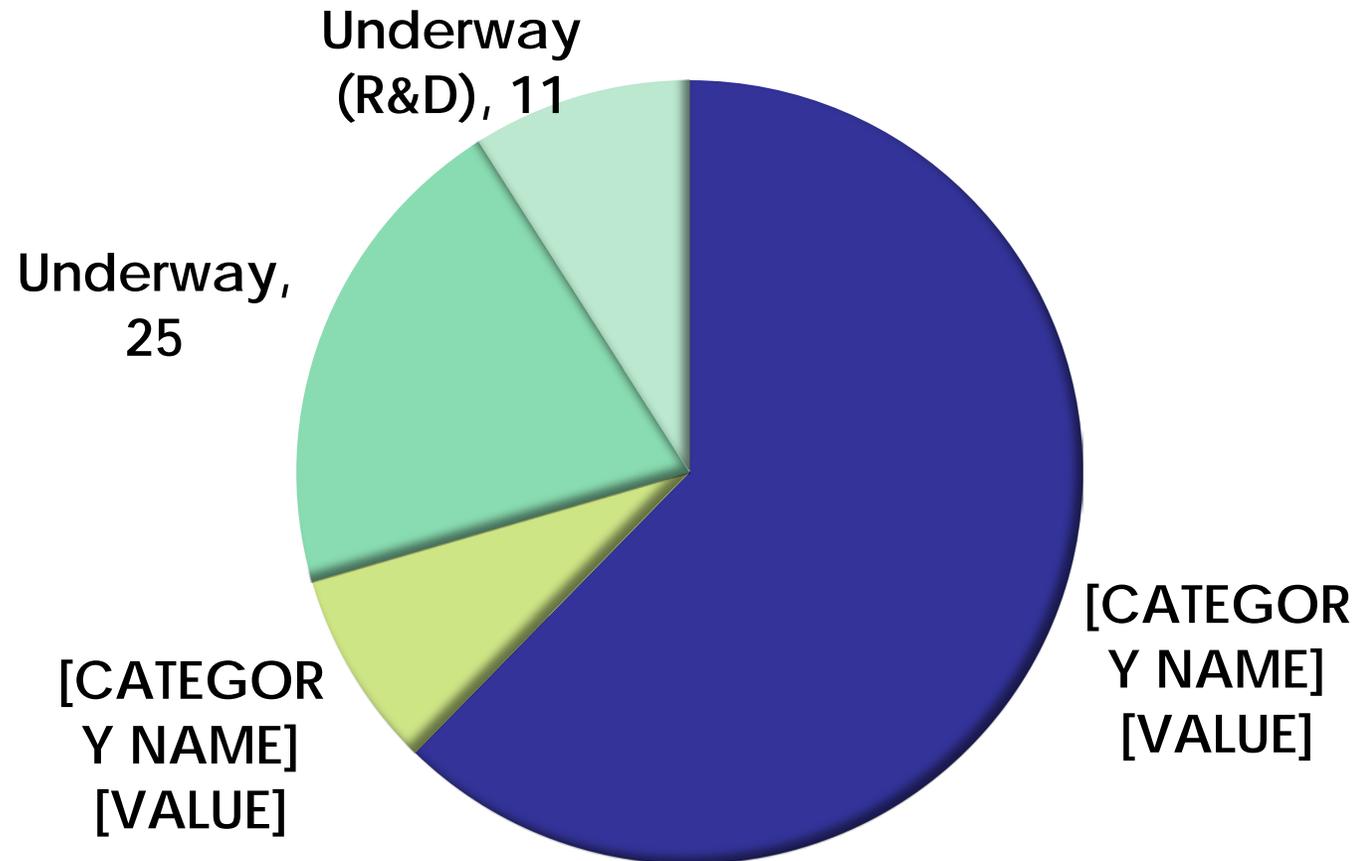


# CAST Process Flow





# CAST – Safety Enhancements





# Safety Portfolio Monitoring



SE	Title	Output	Lead Organization	Due Date
SE 127	Cargo - Cargo Fire Management	Output 5	JIMDAT	8/31/2017
SE 186	TCAS - Sensitivity Level Command	Output 4	FAA AJI	12/31/2017
SE 199	ASA - Training - Enhanced Crew Resource Management Training	Output 2	A4A	8/31/2017
SE 213	RNAV - Safe Operating and Design Practices for STARs and RNAV Departures	Output 2	FAA AFS/A4A	8/31/2017
SE 213	RNAV - Safe Operating and Design Practices for STARs and RNAV Departures	Output 3	FAA ATO	8/31/2017
SE 213	RNAV - Safe Operating and Design Practices for STARs and RNAV Departures	Output 4	FAA ATO	8/31/2017
SE 217	RE - Airline Operations and Training - Takeoff Procedures and Training	Output 2	A4A	7/31/2017
SE 218	RE - Design - Overrun Awareness and Alerting Systems	Output 3	A4A	6/30/2017
SE 219	RE - Air Traffic Operations - Policies, Procedures, and Training to Prevent Runway Excursions	Output 1	FAA ATO	6/30/2017
SE 219	RE - Air Traffic Operations - Policies, Procedures, and Training to Prevent Runway Excursions	Output 2	FAA ATO	6/30/2017
SE 227	TOMC - Air Carrier Procedures for Takeoff Configuration	Output 1	A4A	4/30/2017
SE 227	TOMC - Air Carrier Procedures for Takeoff Configuration	Output 3	FAA AFS-200	8/1/2017
SE 227	TOMC - Air Carrier Procedures for Takeoff Configuration	Output 4	AIA	4/30/2017
SE 228	TOMC - Airplane Design Features to Facilitate Proper Takeoff Configuration	Output 1	AIA	10/31/2017
SE 229	TOMC - Takeoff Configuration Warning System Maintenance and Operational Assurance	Output 1	AIA	10/31/2017



# Summary

- ▶ Unprecedented partnership and positive impact
- ▶ Long-term industry and government commitment
- ▶ Committed to continue to drive future safety improvements.