

Training That Counts

Boeing's Approach to Enhancing Aviation Safety

Marsh Aviation Summit 2026

Navigating tomorrow's
aviation challenges



Training that counts

Boeing's approach to risk mitigation through training

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The Boeing Company



- Context and Framework
- Industry Engagement
- Data Analytics & Integration Into SMS
- Results & Observations to Date
- What Comes Next



Why do we always have to
wait until people die to take
action?

Jennifer Homendy

Chairwoman National Transportation Safety Board

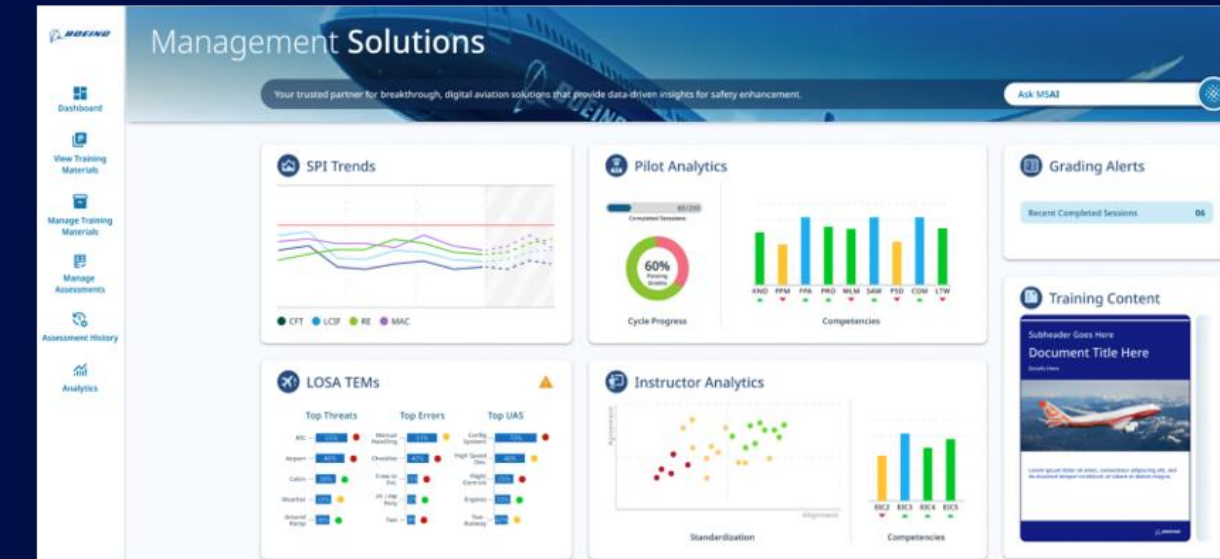
60 Minutes interview aired March 29, 2026



Boeing global aviation safety program

6 focus areas

- Safety management system
- Airline operational safety support
- Training – Competency Based Training and Assessment (CBTA)
- Flight operations representatives
- Regulatory engagement
- Optimizing operational aspects of design



Competency based training and assessment

Performance based and data informed



WHY CBTA:

- Evolution of CRM and TEM
- Operational and training data
- Defined competency framework
- Comprehensive training needs analysis
- More holistic approach to training

An ecosystem that provides a framework

Providing Tools and Individualization Within the Framework

Curricula

+

Technology

+

Instructors

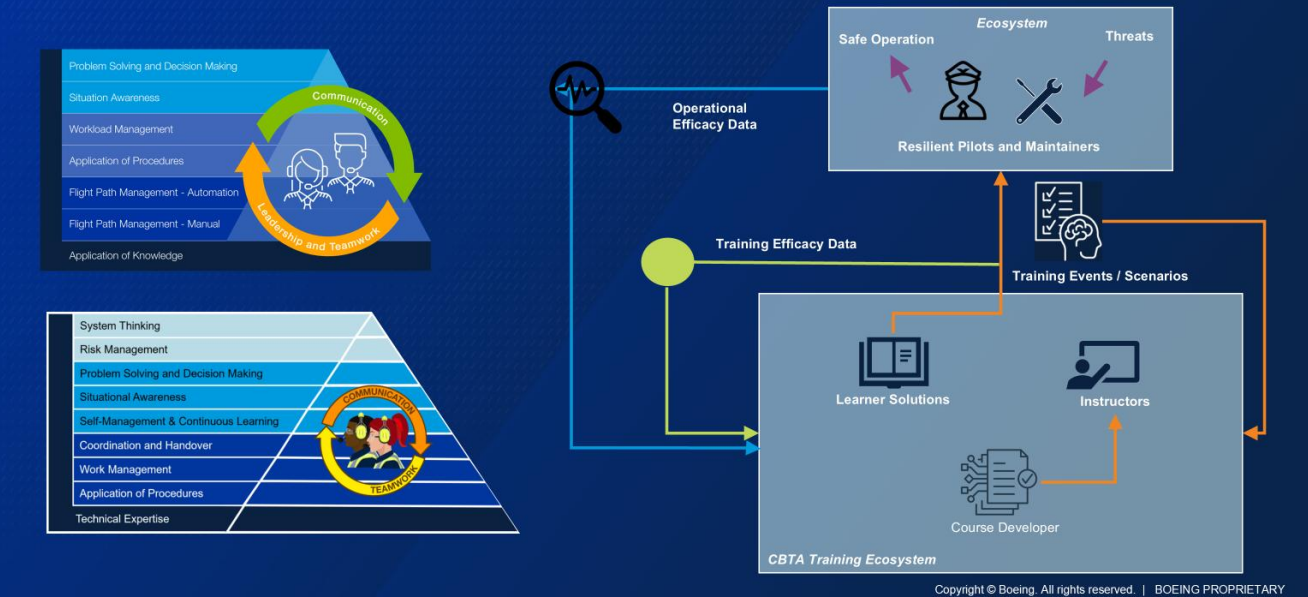
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Safety Data Analytics (SDA)



Boeing Support

Competency-Based Ecosystem



Integrating Contextual Data from Multiple Sources

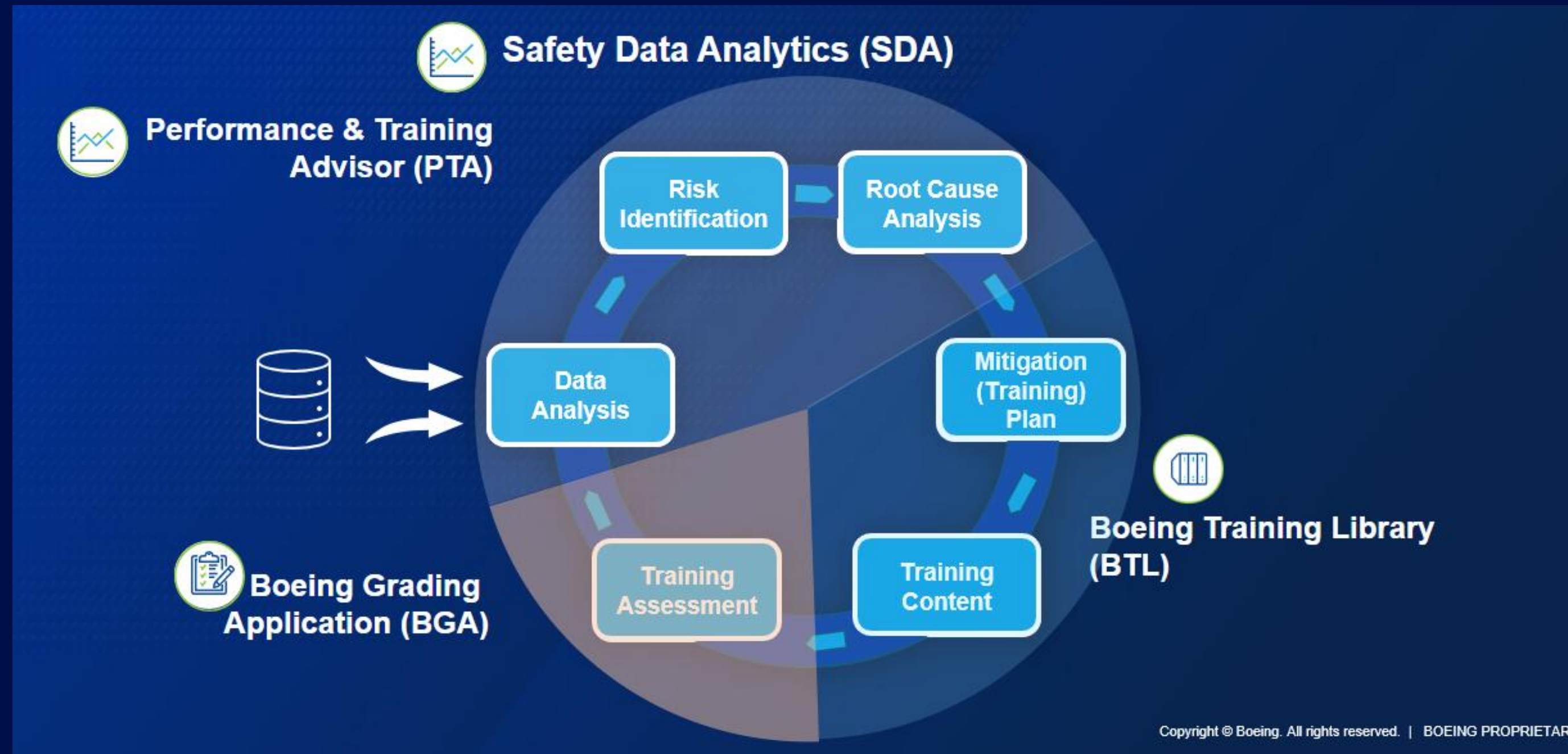


Closed loop analytics

Risk identification and mitigation

Enabling:

- Data driven decisions
- Focused training
- Risk mitigation
- Stronger pilot resilience
- Enhanced operational safety

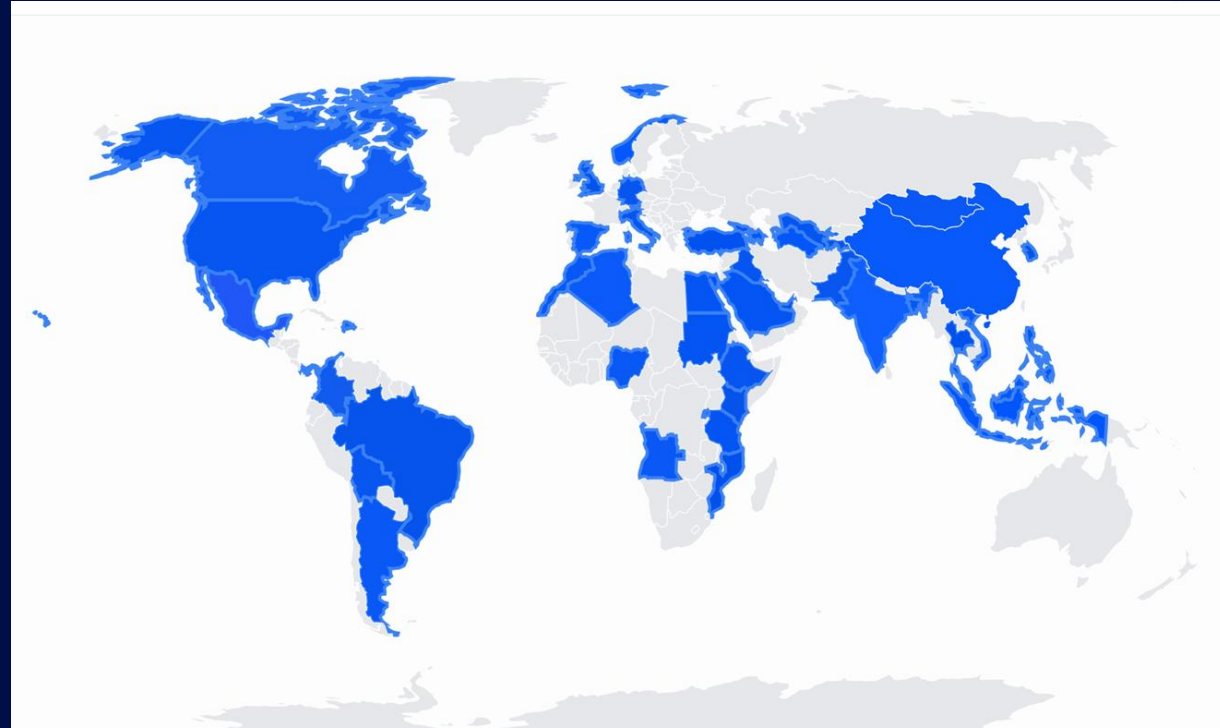


Collaborative Approach with Industry

Extensive Customer and Regulator Engagement

Continuous customer engagement

- 300+ Customer and Regulatory Engagements
- Workshops and small group tryouts for customers and regulators
- 61 current full CBTA deployments
- 2-3 year transition to CBTA process
- 20 milestone program delivered across 6 phases
- Follow on programs and support for more mature operators



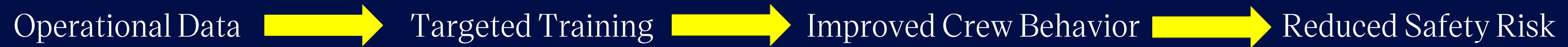
Active deployments around the world

CBTA Transforms operations

- Data-driven, competency-aligned ecosystem that elevates crew awareness of operational safety enablers
- Cultivates resilient and adaptive performance
- Standardizes assessments to reduce variability
- Deepens collective understanding of a unified operational model

What have we seen & what have we learned

Measurable safety and operational benefits



FOQA/FDM trends are linked to training interventions and measurable outcomes

Results:

- Nearly all 61 customers in deployment have confirmed **improved training results and enhanced safety**
 - Many have provided testimonials
- **70% of safety performance indicators have improved** for customers in CBTA program and analytics
- Early adopters report rapid, tangible improvements in key safety metrics
 - Airline A: **20% reduction in long landings**; 1500 fewer long landings year over year
 - Airline B: **40% reduction in fast on approach event rate**; 62 fewer events year over year



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What comes next

Why this audience



Potential collaboration between Boeing and aviation insurers

- Demonstrate the effectiveness of CBTA programs and use of related management tools to reduce risk and enhance safety
- Unlock use of bursary funds for airline use to implement / support CBTA programs
- Consideration into insurance decisions and terms

Questions?



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