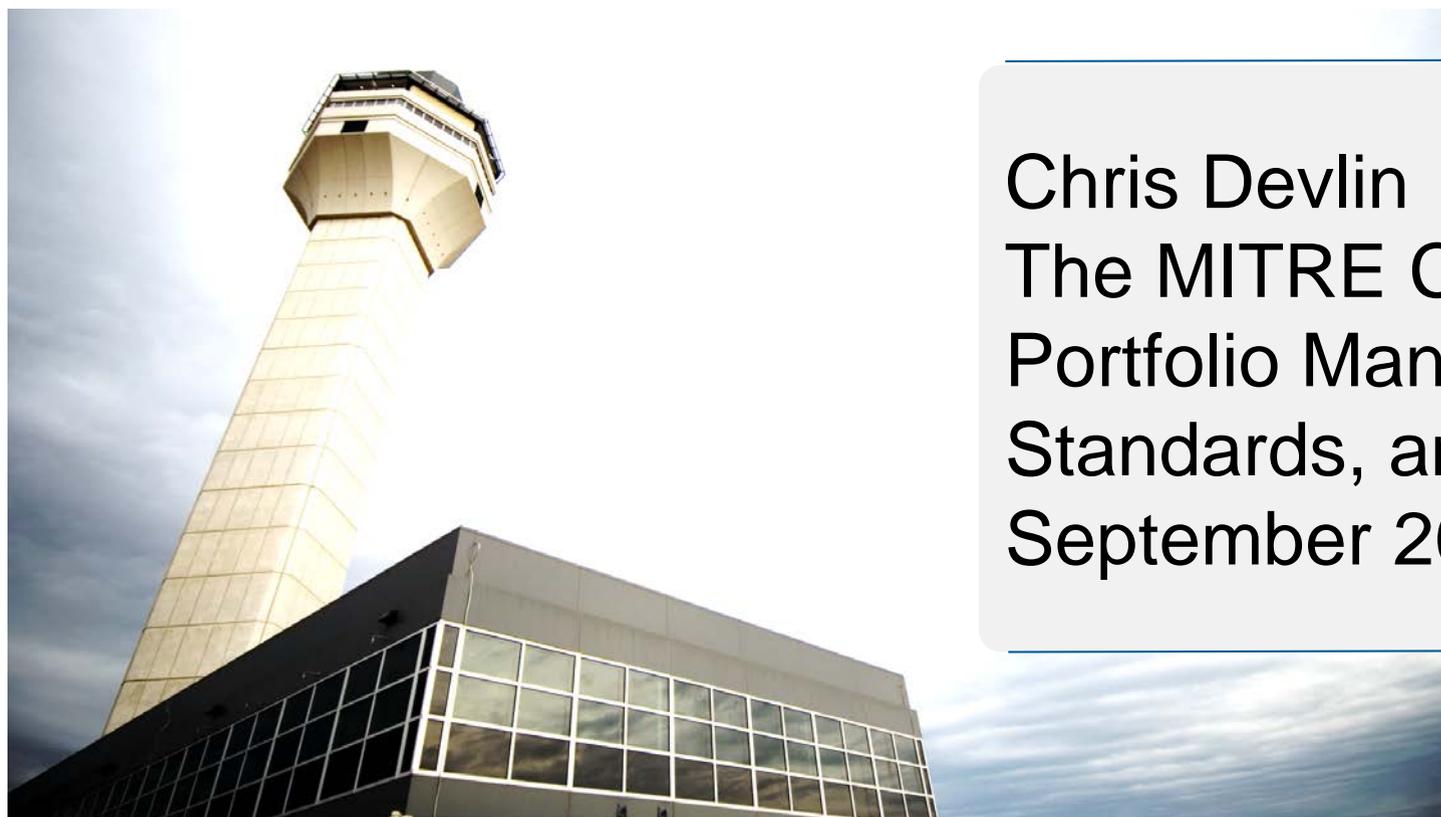
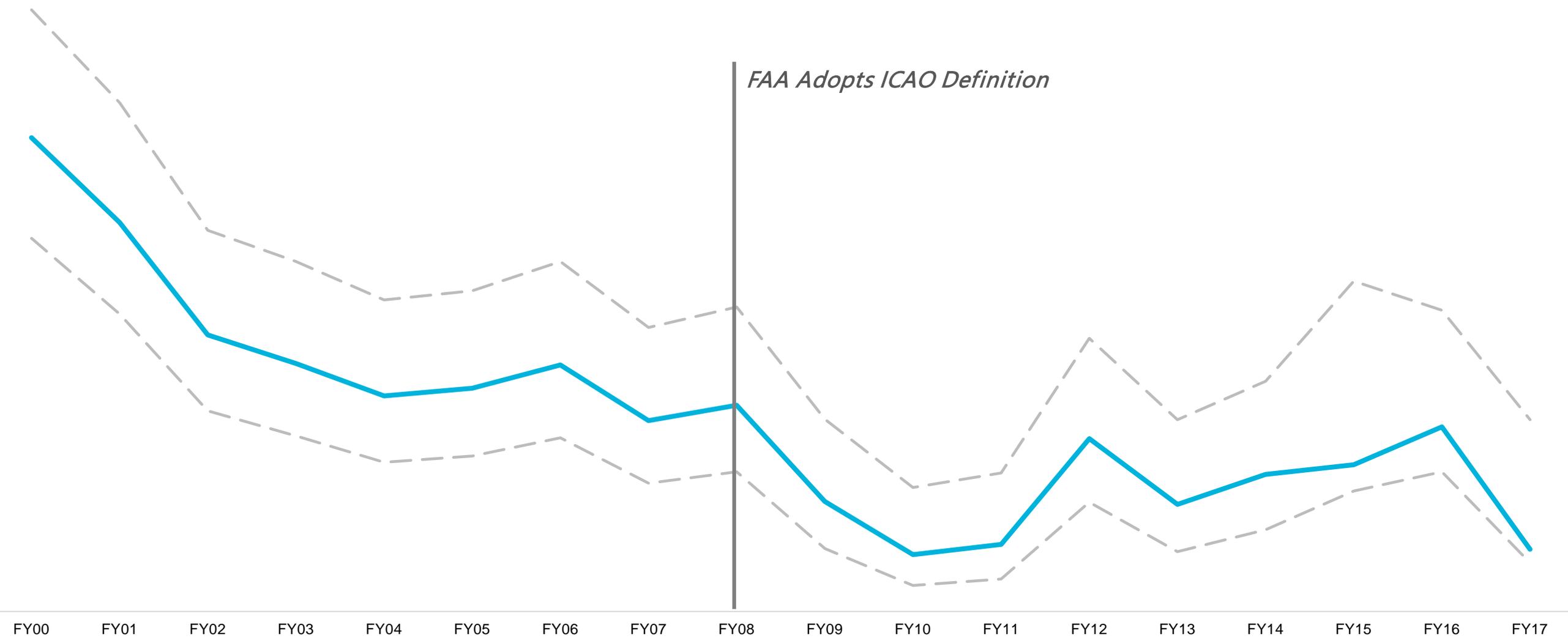


A Risk-Based Approach to Runway Incursion Analysis



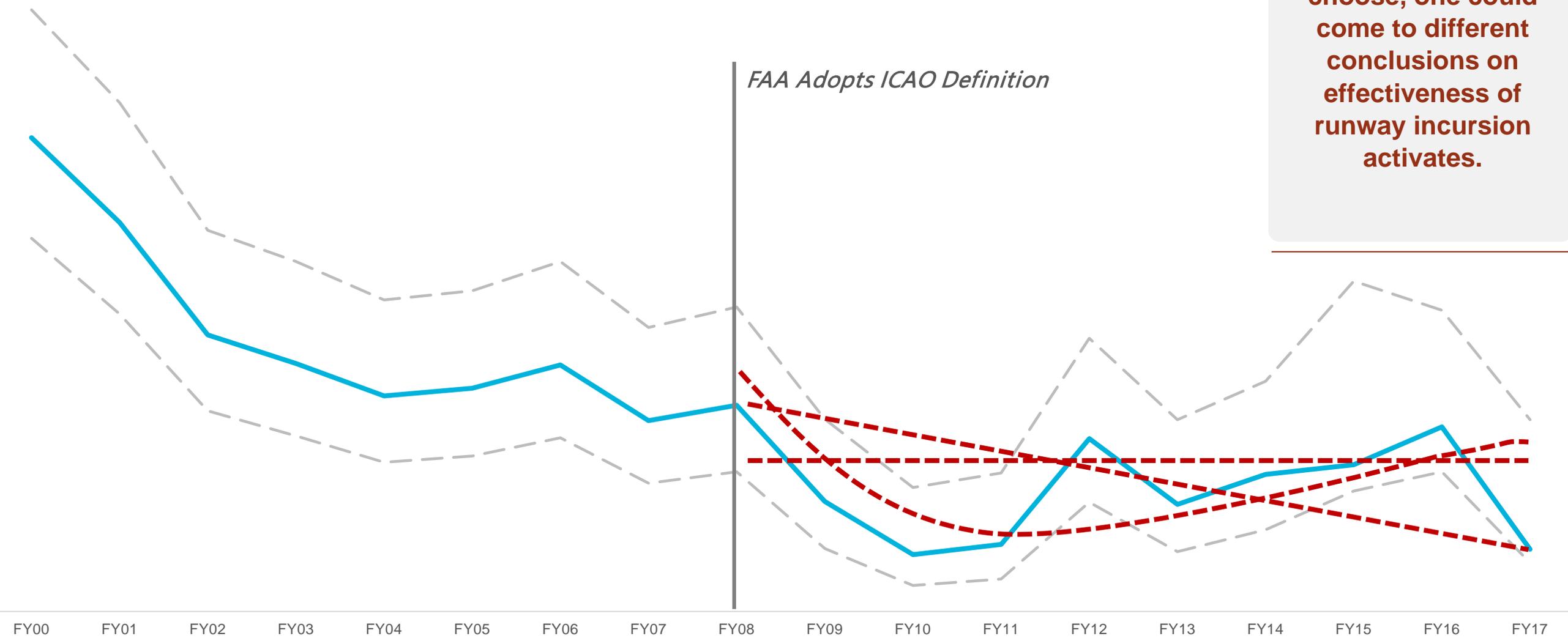
Chris Devlin
The MITRE Corporation
Portfolio Manager, Safety,
Standards, and Training
September 2017

Trends in Category A & B Runway Incursions

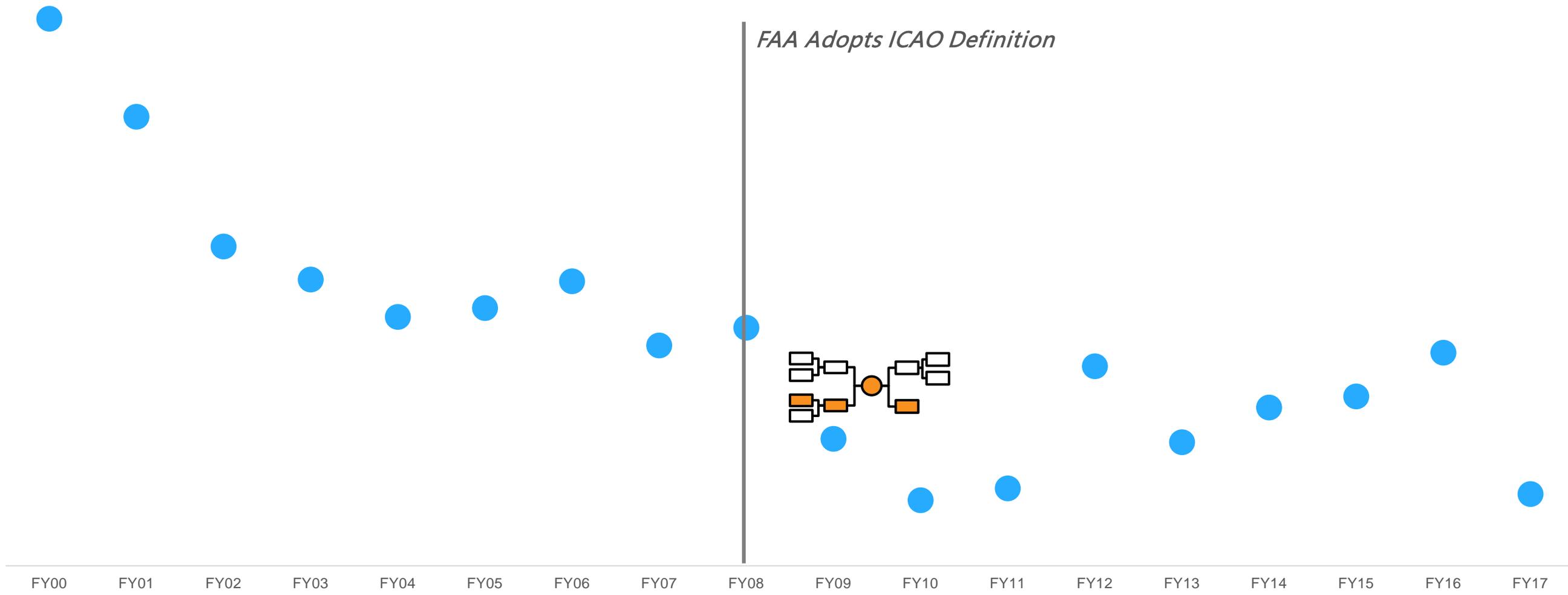


Trends in Category A & B Runway Incursions

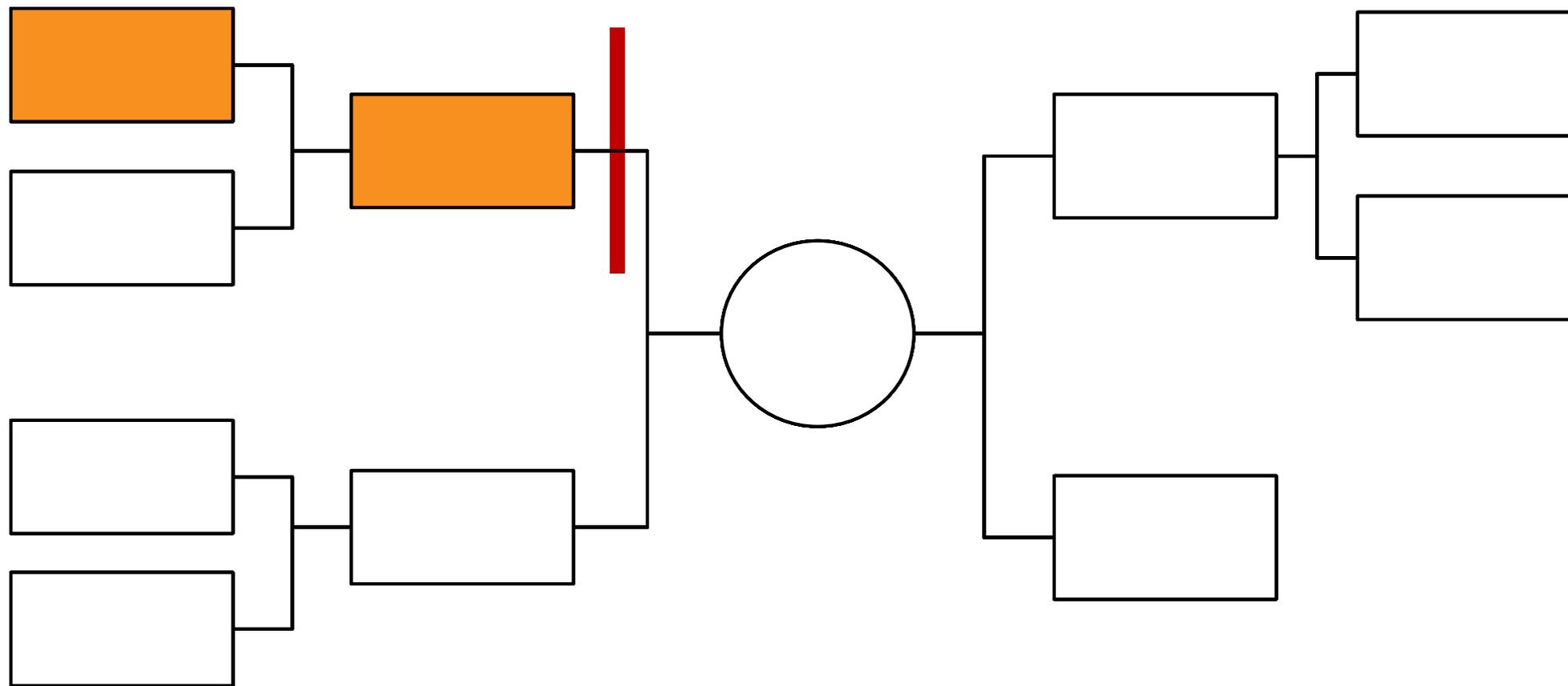
Since 2008, depending on which methodology you choose, one could come to different conclusions on effectiveness of runway incursion activates.



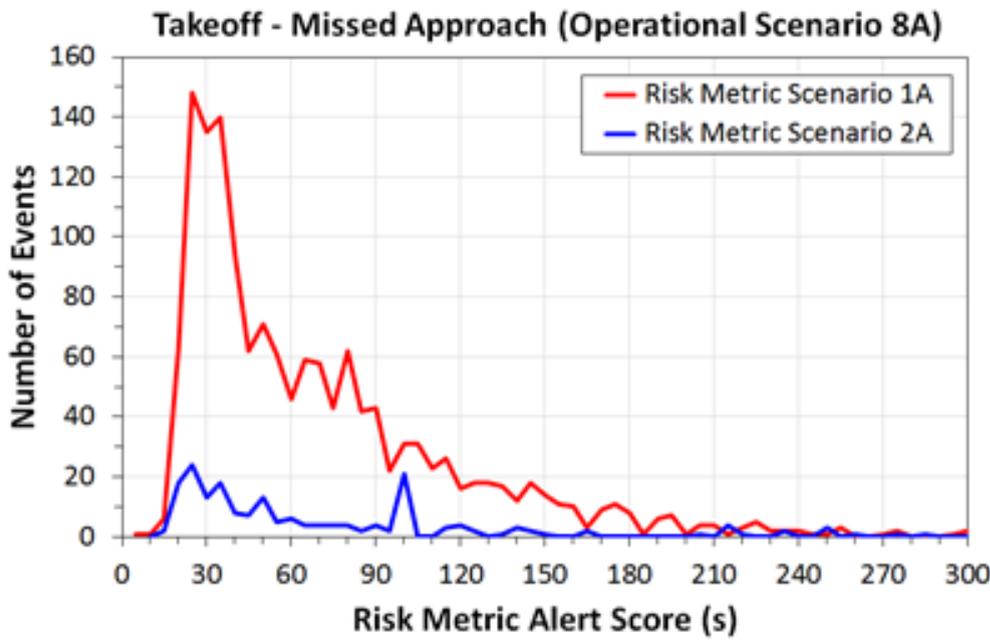
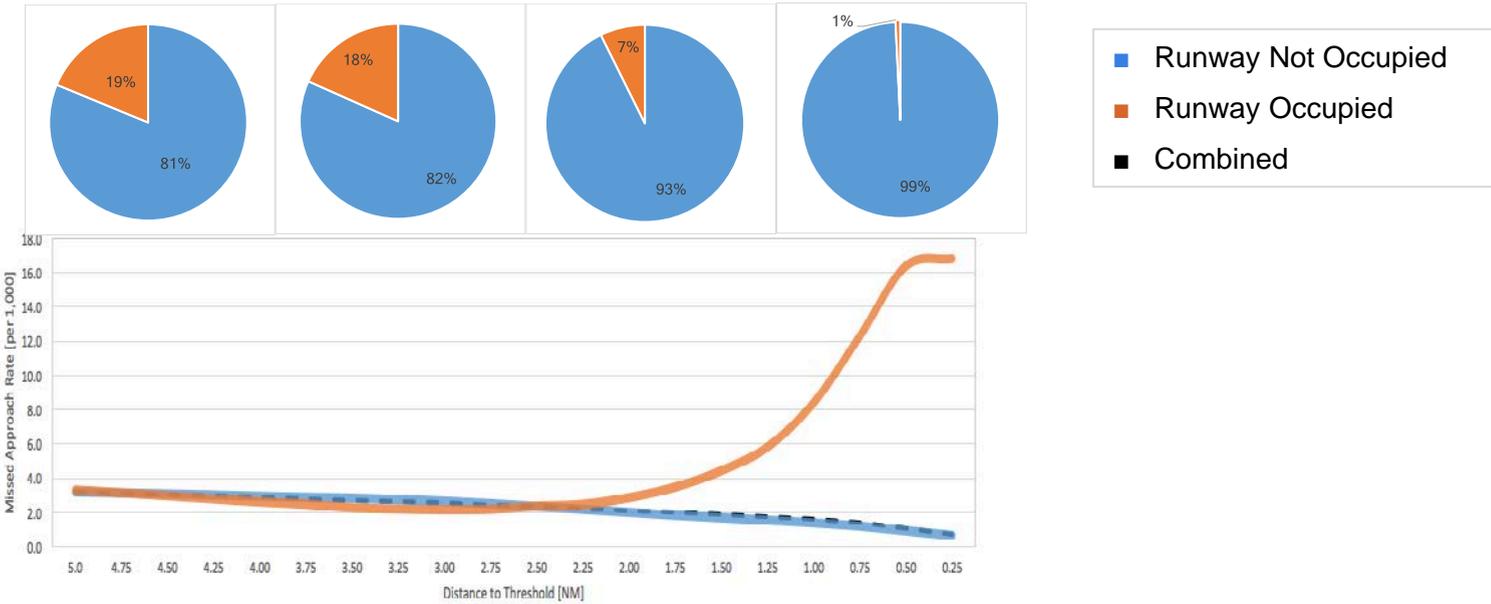
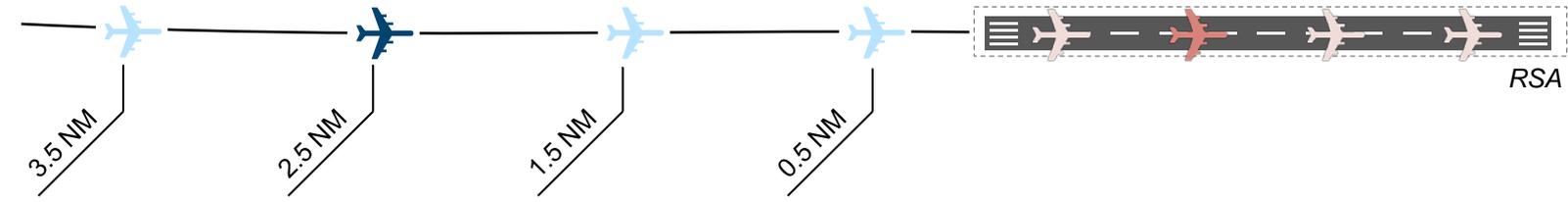
With inconclusive data, and only a few high-risk events each year, How do we continue to remove risk from the system?



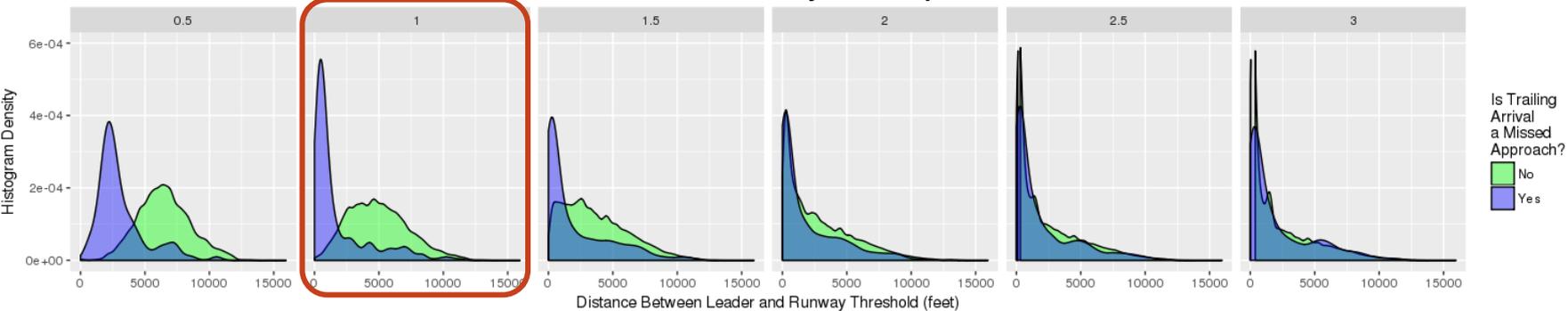
Many different risk-scenarios all get counted as the same event



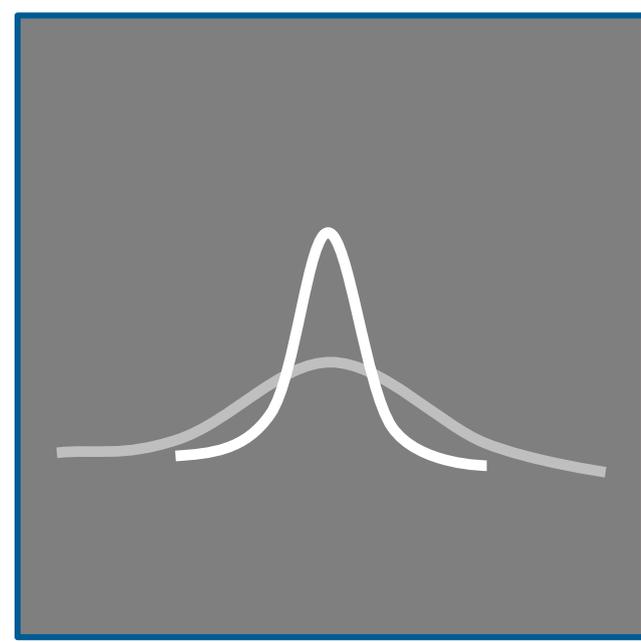
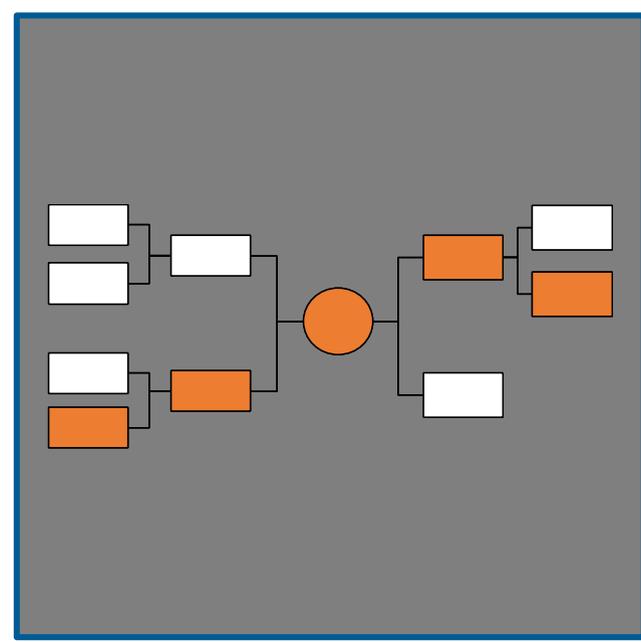
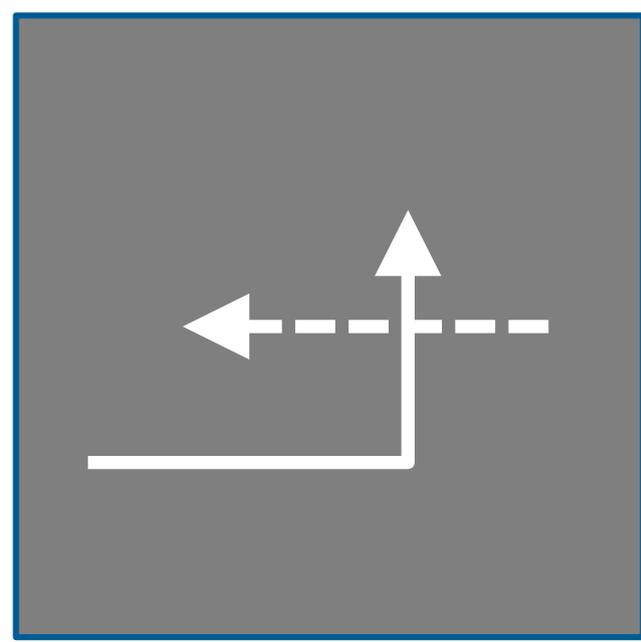
Applying Risk Framework to Runway Overflights



Aircraft on Runway is Departure



Take-Aways



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