STPA IN AGILITY PRIME

MATTHEW AUST (MATTHEW.AUST@ICLOUD.COM)
ELIZABETH PENNINGTON (ELIZABETH.PENNINGTON.1@US.AF.MIL)
WILLIAM YOUNG (WYOUNG@MIT.EDU, WILLIAM.YOUNG.3@US.AF.MIL)
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WHAT IS AGILITY PRIME?

• One of many DoD efforts to accelerate commercial industry
• Focused on electric Vertical TakeOff and Landing vehicles (eVTOL)
• Initial goal = air worthiness
• Long term potential = commercial vehicles with military applications
WHY STPA?

• Unknown number of unknowns for each company
  • Goals
  • Design
  • Documentation

• Needed a methodology to handle any/all eVTOLS

• Could account for safety, air worthiness, & security
HIGH-LEVEL SAFETY AND CYBERSECURITY CONTROL STRUCTURE
RESULTS

- 4x sprints complete, 2x more requested
  - 1 generic
  - 3 company specific
- STPA results being used by air worthiness team as a part of testing
- 1x company already received air worthiness certification
IMPLICATIONS

• Pre-built, ready-made air worthiness/security test plans

• Security Policy