

Integrating Quality into the Digital Workspace

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Transformation at Lockheed Martin



Safety & Quality Assurance

Transforming our business



Transforming our technology

Industry Partnership

- **Government:**
 - Department of Defense (DoD)
 - Defense Contract Management Agency (DCMA)
 - National Aeronautics & Space Administration (NASA)
 - Under Secretary of Defense for Research and Engineering (USDR&E)
- **Industry:**
 - Joint Strategic Quality Council (JSQC)
 - Aerospace Industries Association (AIA)
 - Americas Aerospace Quality Group (AAQG) / IAQG
 - Many other industry partners



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Collaborating for success



Quality Information Framework

- QIF is an ISO standard for digital thread and twin concepts
 - Moving “Quality In Front”
- Complements JSQC, AAQG, and SAE digital initiatives
- Risks & Benefits of QIF



Changing the Industry

- AS9145
 - Contracting Quality earlier in the process
- Predictive Maintenance
 - Contributing to the digital transformation of Quality
 - Incident mitigation

Embracing these with a digital tapestry is crucial to transforming the way we do business



Key Takeaways

- There is value in collaborating across all functions, especially with Engineering, Program Managers, and Quality personnel
- Build trust through the entire design life: bring in Quality early
- Use metrics for data-driven decision making

All of the above lead to mission success!



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