See the future from here.

Process Insights
“Our Stages journey so far”
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Presenter Bios

Ron Pratt

- Pr. Software Engineer
- 39 years with Rockwell Collins
- Process Group Lead
- Certified CMMI Associate
- SAFe Certified Product Owner
- MS Computer Science

Tina Wolf

- Sr. Software Engineer
- 12 years with Rockwell Collins
- SAFe Scrum Master
- Process modeler

Emily Yoder

- Sr. Systems Engineer
- 17 years with Rockwell Collins
- Process modeler
Agenda

Rockwell Collins

Process Environment

Process Improvement

Process Transformation
Rockwell Collins
Building Trust Every Day
Rockwell Collins Background

A heritage of industry leadership

- Relayed to the world the first words ever spoken on the moon
- Pioneer in GPS technology
- First integrated avionics system
- First synthetic vision system (SVS) on head-up display (HGS)
- First global aviation data communications network
- First suite certified for dual occupancy
Who we are
Our businesses – and who they serve

Commercial Systems
- Aircraft manufacturers
- Airlines and business aviation

Government Systems
- U.S. Dept. of Defense
- Foreign militaries
- Aircraft and helicopter manufacturers

Information Management Services
- Airlines and business aviation
- Airports
- Rail and critical infrastructure

Interior Systems
- Aircraft manufacturers
- Airlines and business aviation
Process Environment

User Feedback
User Feedback

- Need flexible processes
- Need to simplify processes
- Need process alignment across groups
- Need to improve tailoring of process
- Need to navigate between processes
Process Landscape 1.0

Practitioners attempt to...

Deliver a developmental item to customer

Provides cost efficiencies
But... Process integration could be better
Process Improvement
Balancing Process Expectations

**Employee Expectations**
- Clearly defined processes that aid workflow
- No extraneous steps that impede efficiency
- No rework due to lack of process knowledge

**Additional Business Needs**
- Compliance to regulatory obligations
- Product and design integrity
- Commonality and consistency
- Risk management

**Customized**
- Program Minimum
- Trust-based

**Centralized**
- Corporate Minimum
- Controlled

**Clear Concise Available Effective**
Trade Study

Evaluation Criteria
- Ease of authoring
- Ease of navigation
- Obligation tracing
- Flexible tailoring
- Configuration control
- Scalable
- License cost
- Compatible with internal tools

Prototype
- Imported existing processes
- Evaluated features and capabilities
Process Transformation

Revolutionize Process Engagement
Process Landscape 2.0

Single process access
Navigable process map
Process simplification
Process modernization
Visual Processes

- Improved understandability
- In-context knowledge
- Faster process authoring
- Richer process reviews
- Integrated enterprise processes
Next Steps

- Complete D&D refactoring
- Obligation tracing
- Integrate enterprise processes

Future Challenges

- Process simulation capability
- Process performance analysis
Thank you!