

A vibrant sunset over the ocean with a bright sun low on the horizon, casting a golden glow across the sky and water. The sky transitions from a deep blue at the top to a bright orange near the sun. The water reflects the colors of the sky, with a prominent lens flare effect from the sun.

See the
future
from here.

Process Insights

"Our Stages journey so far"

October 2018

Presented by Ron Pratt, Tina Wolf, and Emily Yoder

**Rockwell
Collins**
Building trust every day

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

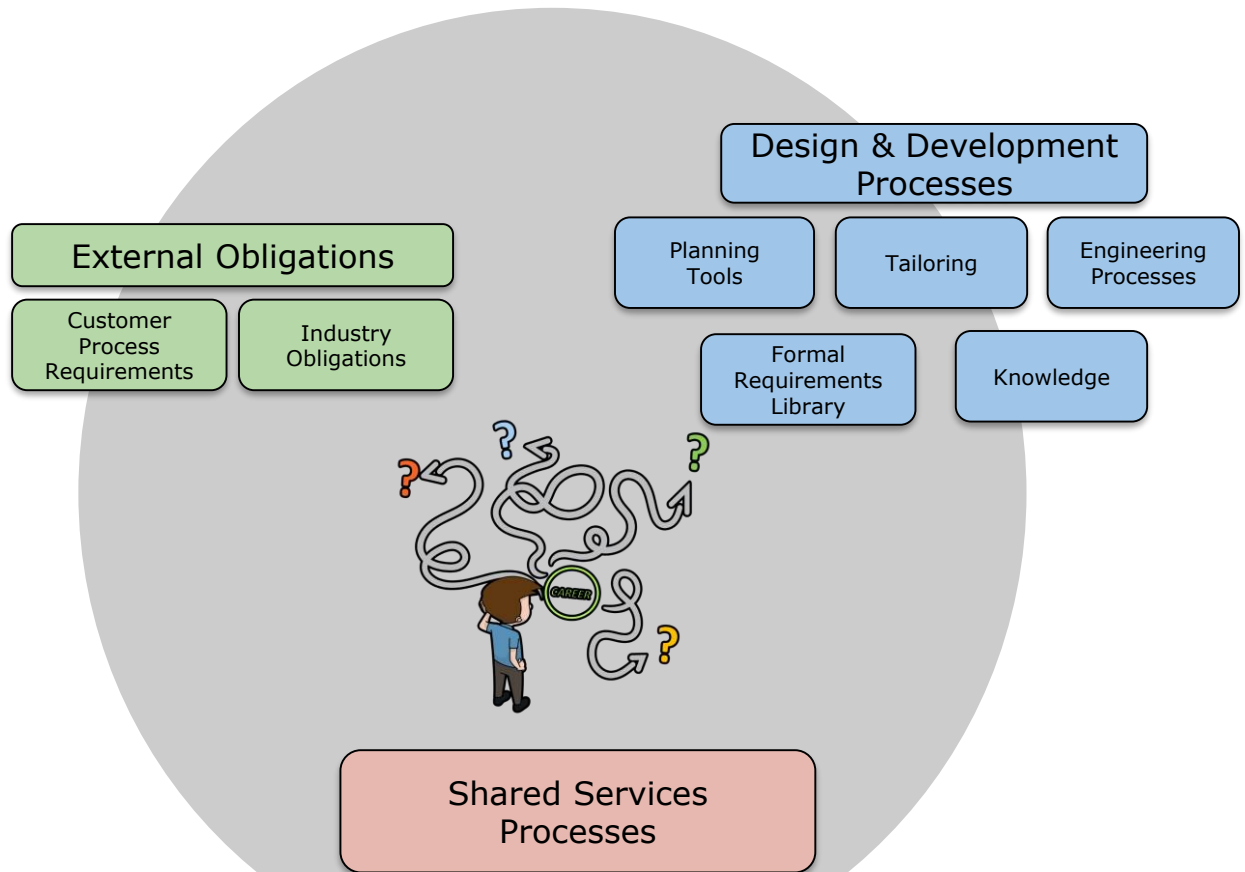


- Need flexible processes
- Need to simplify processes
- Need process alignment across groups
- Need to improve tailoring of process
- Need to navigate between processes

Process Landscape 1.0

Practitioners attempt to...

Deliver a developmental item to customer



Provides cost efficiencies
But...
Process integration could be better



Process Improvement

People. Processes. Connected.

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



Clear
Concise
Available
Effective

Centralized

Corporate
Minimum

Controlled

Trade Study

Evaluation Criteria

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

Prototype

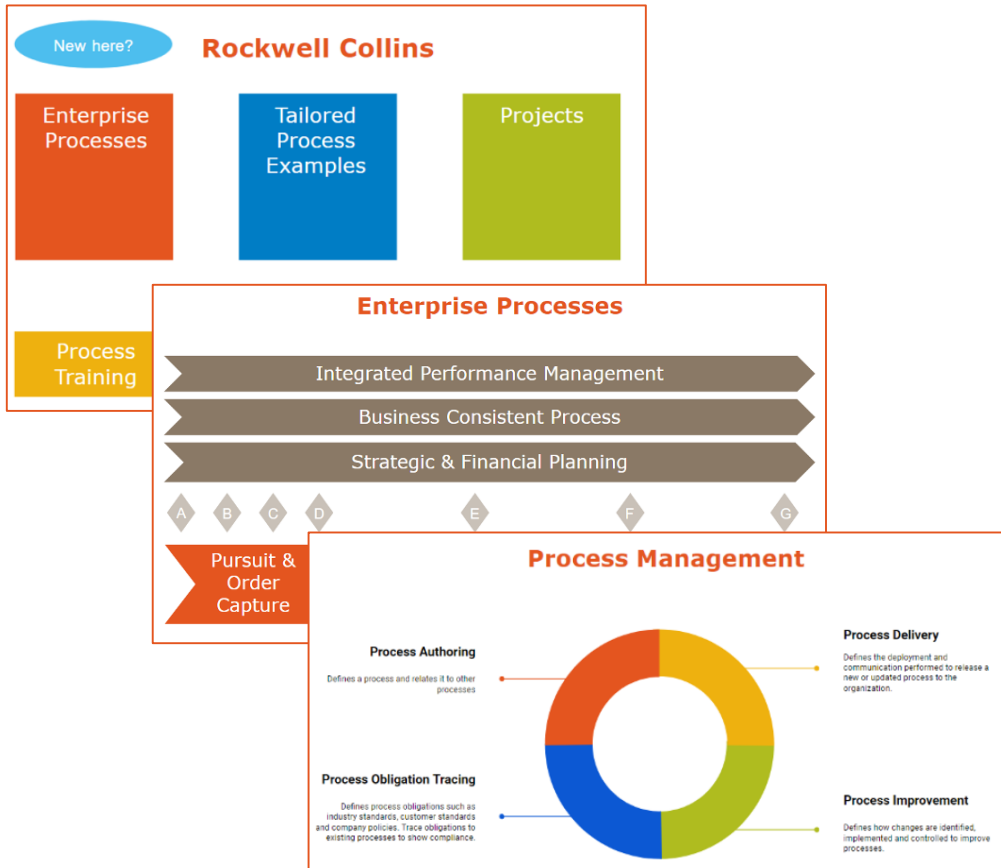
- Imported existing processes
- Evaluated features and capabilities



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

**Value
Added**

Next Steps

Complete D&D refactoring

Obligation tracing

Integrate enterprise processes

Future Challenges

Process simulation capability

Process performance analysis



Thank you!