Taming the Complexity of a Multi-Spec Content Ecosystem
Agenda

1. The Challenge
2. The Impact
3. Barriers to Change
4. Emerging Approaches
5. Wrap up
The Challenge:

- Chaotic diversity of specs in use
- Official specs, as well as proprietary derivatives
- Multiple XML specifications, issues, and OEM variants inhibit data usability and portability
Challenge Forces Difficult Choices

For Operators

- Operate multiple content platforms
- Migrate everything to a single S1000D Issue #
- Convert S1000D data to iSpec 2200

For OEMs

- Pay for costly 3rd party conversion services and in-house QA efforts
- Staff those conversion skills in-house
Human Factors Impact

Multiple IETPs impact on technicians
  • Training on multiple platforms
  • Effectiveness in switching between systems

Multiple approaches to content layout
  • Learn and navigate OEM-specific styles
  • Likelihood for human error

“How information is arranged within a document is a significant issue for the maintenance technician. It can greatly increase the chance for human error not only in the handling of the document, but also in accomplishing the work.”

Source: Human Factors in Aviation Maintenance Symposium
Multiple Specifications Drive Up Costs

- Redundant authoring, larger staff
- Limited reuse
- Higher IT costs
- Increased training costs
- Significant conversion costs
- Higher content latency
Barriers to Change

Resistance to Change
• Pride of authorship
• Culture

Contract Hurdles
• Change of work rules
• Union considerations

Technological
• Internal skills sets
• Content migration costs
• Technology acquisition costs

“It’s not pretty, …but it works today”
Emerging Approaches

• Handle multiple content types in and out
• Use one S1000D content management system
• Adopt a single authoring approach
• Deliver flexibly to a variety of destinations with standardized look and feel
• Automate transformation profiles on-demand
Approach for Operators

Content Creation
• One authoring tool
• One authoring process

Content Delivery
• One IETP

Transformation
• Standard output

Usability
• One set of policies and practices
• One approach to data
• One training program

Single S1000D Issue
Approach for OEMs

Content Capture
- Multi-spec support for multiple suppliers
- Support concurrent programs

Transformation
- Create spec-to-spec transform profiles

Delivery
- Use defined profiles on-demand

Portability
- Low latency import
- Low latency delivery
- Dramatic reduction in conversion costs
Benefits of Transformation

For Operators

• Simplified training
• Improved content usability
• Lower IT costs

For OEMs

• Improved business agility
• Lower conversion costs
Q&A
Contact Information

Tim Larson
Ph. 949.910.0478
tlarson@infotrustgroup.com

InfoTrust Group
500 Discovery Parkway, Suite 200
Superior, CO 80027
Ph. 303.665.5786