

# Paper Trail vs. Digital Thread

Bruce Mayer  
Manager, Engineering Application  
Technology and Strategy

## GLOBAL PRODUCT DATA INTEROPERABILITY SUMMIT 2016



# It sounds so simple

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- **Example: PWB Drawing Note**

**“UNLESS OTHERWISE SPECIFIED  
PERFORM ELECTRICAL TESTS PER FIND  
NUMBER 106”**

# Parts List Find Number 106

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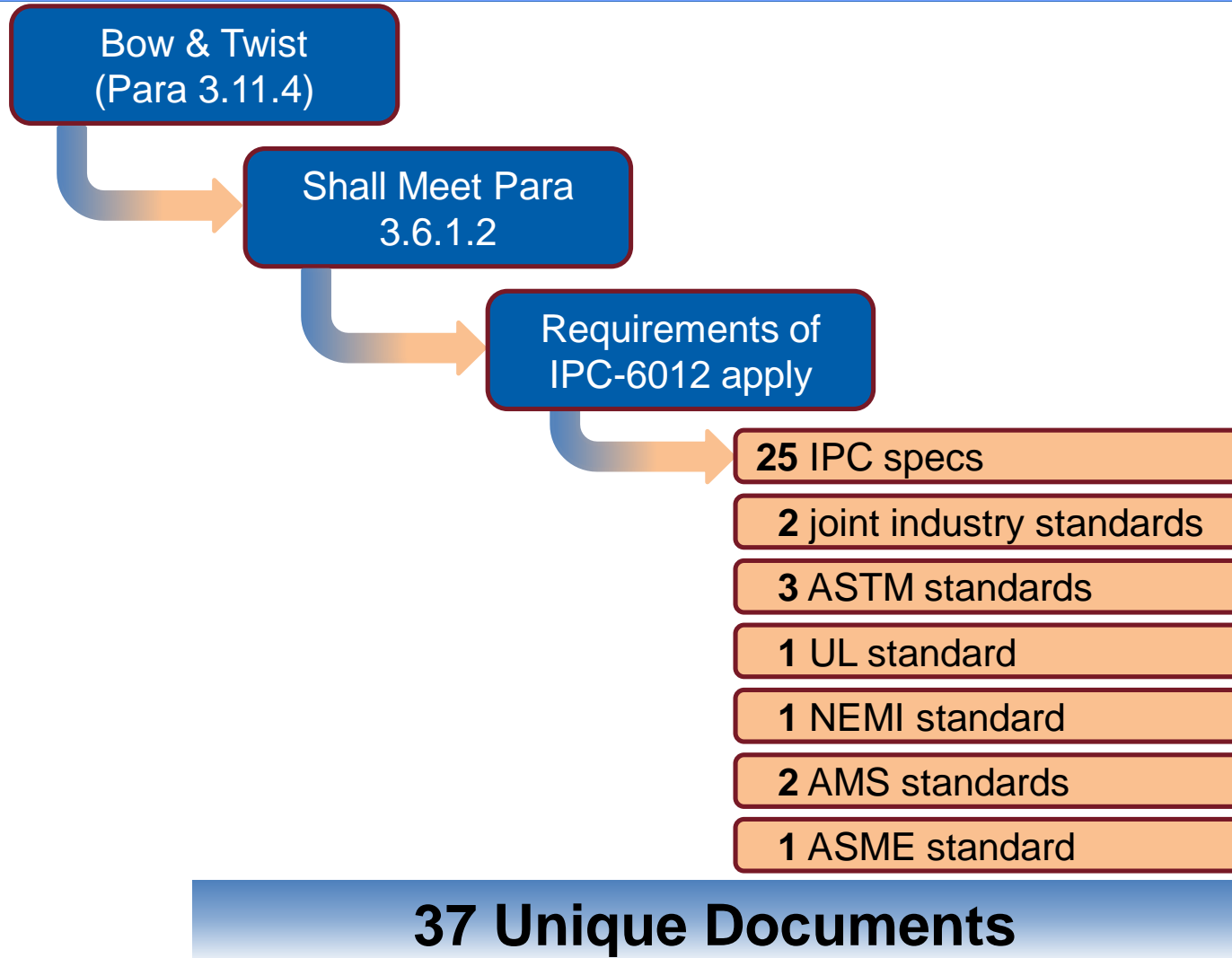
DESCRIPTION – ***“PRINTED WIRING BOARDS, RIGID, FABRICATION REQUIREMENTS”***  
DOCUMENT PAGE COUNT - 24



**Represents 40+ Unique Documents**

# Bow & twist requirement

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# Where's the problem?

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- Large amounts of information
- Information extraneous to task at hand
- Large amounts of cross referencing
- Stacks and Folders of specifications

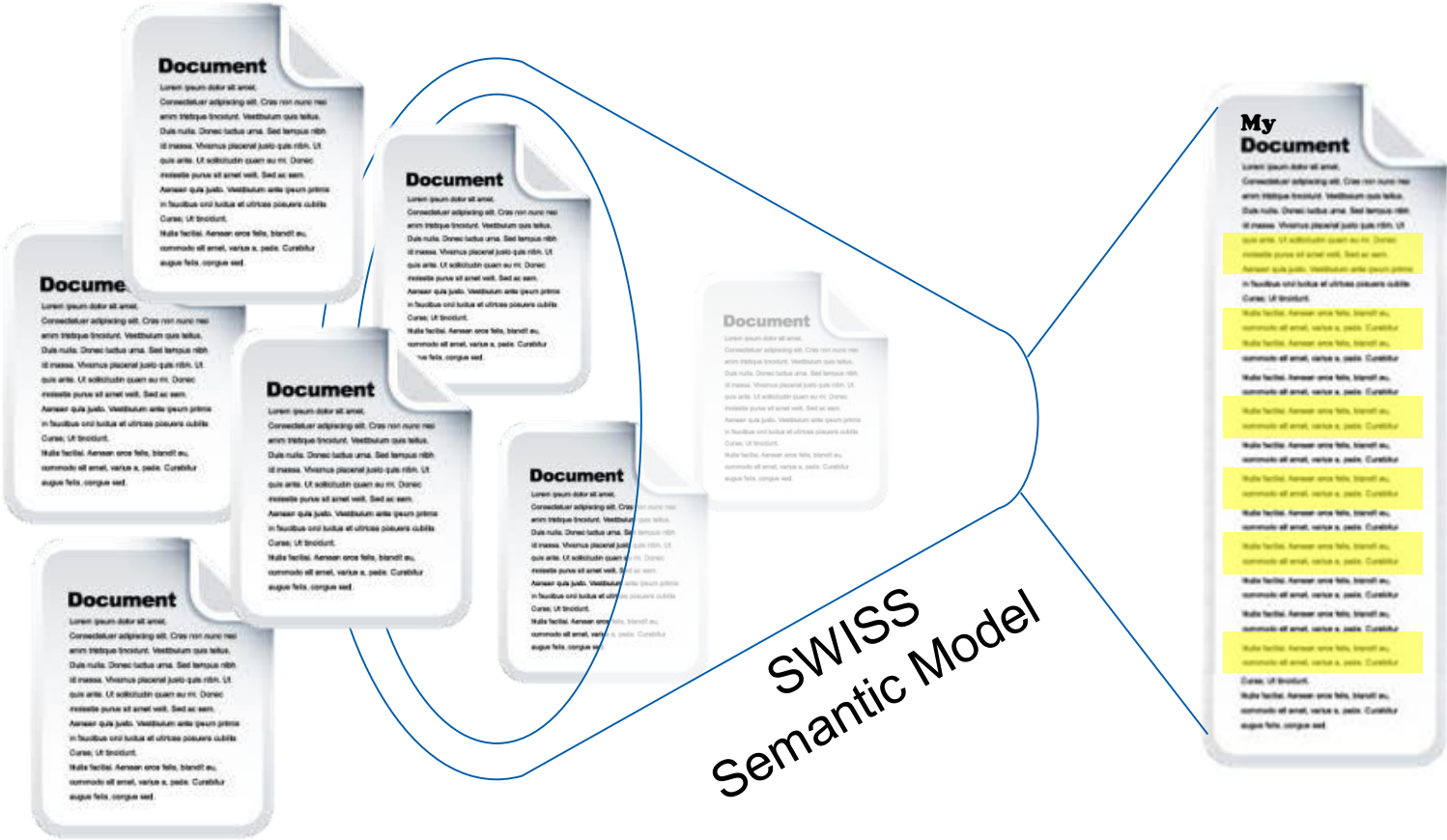
*Let's go Electronic!*



**Electronic is not enough!**

# Let's get "Smart"

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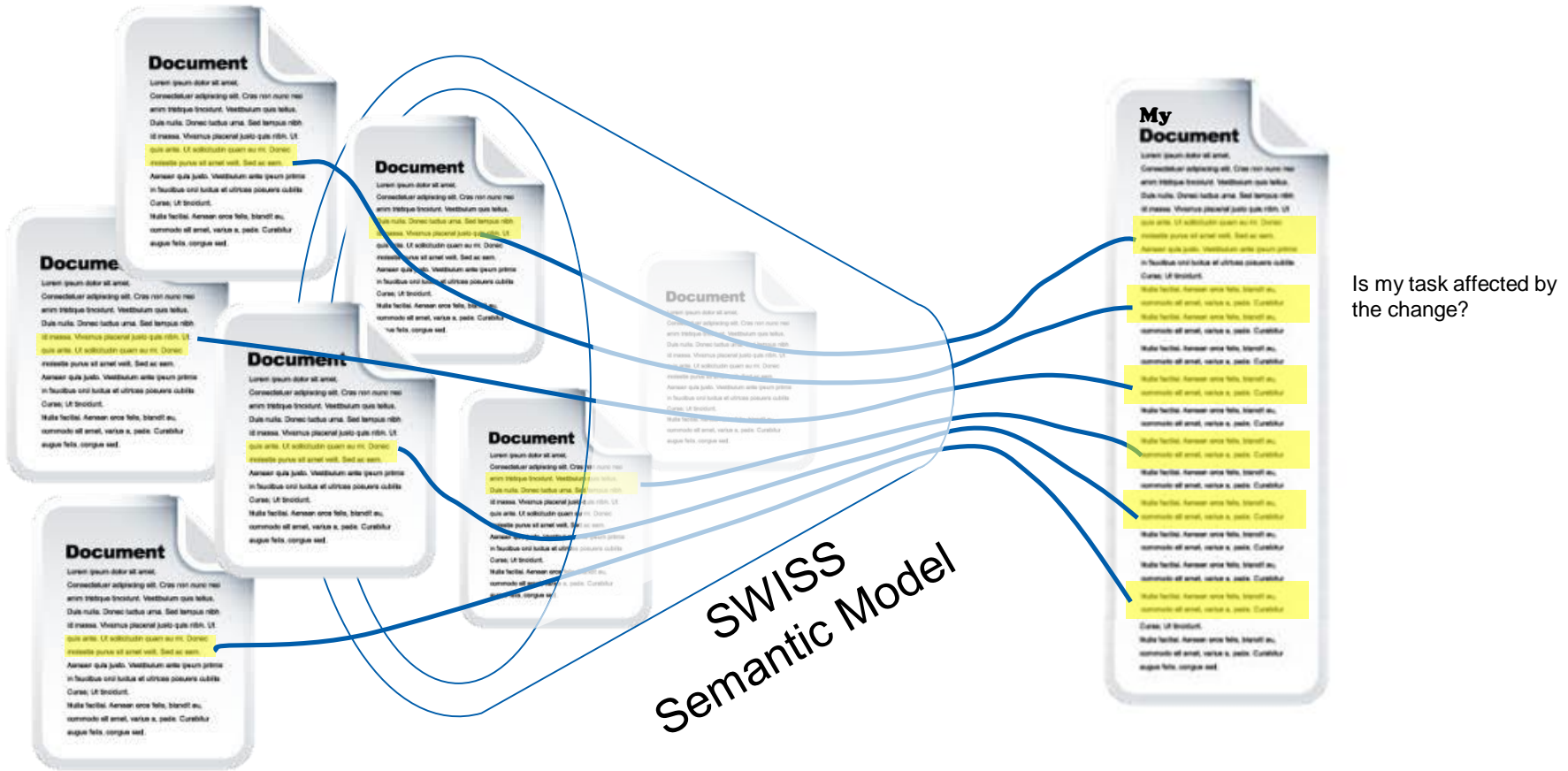
**SWISS  
Semantic Model**

## Pertinent Information!



# But Wait ... There's more!

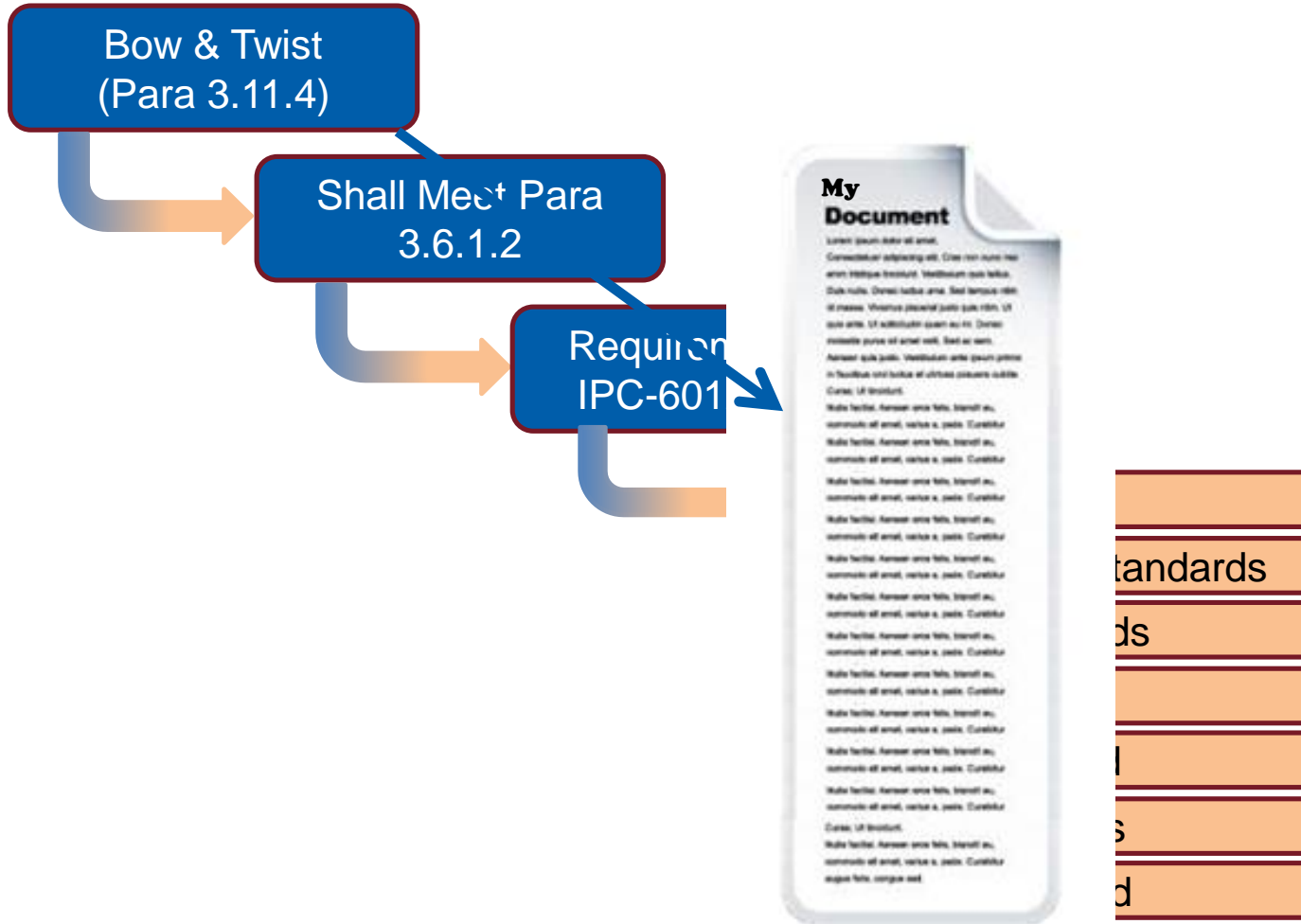
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## Version Aware

# Bow & twist requirement

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1 Appropriate Document





# Maximize the Digital Thread

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- **Purposeful Specifications**
- **Version cognizance**
- **Managed in PLM/PDM/ERP**
- **Linked to CAD data**
- **Available on Demand**



**SMART CONNECTED DOCUMENTS!**