

The Standards as Digital Data Transformation Challenge

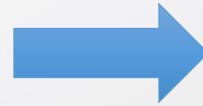
Real world examples

A large, abstract graphic on the right side of the slide consists of numerous overlapping, curved brushstrokes in various colors including blue, purple, green, and pink. The strokes are thick and have a textured, painterly appearance, creating a sense of dynamic movement and energy.

**World
Standards
Week**

The Document (Paper) Thread

PDF Technical Data Package



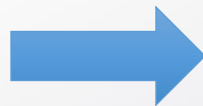
Document Analysis:

- 380 SENTENCES
- 283 REQUIREMENTS
- 247 UNIQUE (UNSTANDARDIZED) SUBJECTS
- Spec References
 - 19 GOV (2 INACTIVE)
 - 11 AATCC
 - 10 ASTM
 - 3 MISC

Are Departures and Interim Changes Paper Digital Twins?



CID A-A-55126B



PAGE 7, Paragraph 3.10.2, Change the following title of paragraph from:
"Fray resistance of Universal Camouflage Shades" to "Fray resistance of Camouflage Prints"

PDF documents for
8,333 Interim Changes
(aka "Departures")
for 1,589 Products**

Digital Model of
Departures

**Based upon EFOIA data collected from
Feb 2015 to October 2020

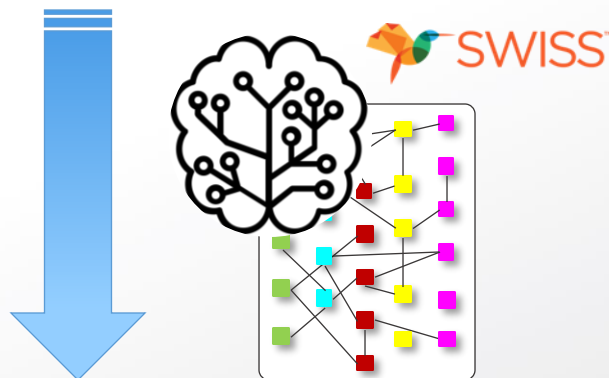
From Text to Structured Requirements



The eyelets shall be brass, with a coated nylon Desert Sand finish, size AA.

NOT
Machine
Readable

AI/ML analysis and
organized into a
knowledge graph



Subject	Attribute	Value
eyelets	material	brass
eyelets	finish	coated nylon Desert Sand
eyelets	size	AA

Machine Readable

- Easily find all requirements for a given material or component
- Automatically generate test plans
- Compare requirements from similar items
- Prepare supply chain
- Reduce manual labor and errors

Digital Paper vs Digital Model Value

