DLA C&T Modernization Efforts with DLA MUST Program
TexSpecs &
SRP Tool
Brief for Joint Advanced Planning Brief to Industry (JAPBI)

November 29, 2018

- DLA Military Unique Sustainment Technology (MUST) Program

  - DLA Logistics R&D Office Program for the Clothing and Textile Supply Chain

  - Research Projects Focused on:
    - ***Product Description/Specification Management and Interim Changes***
    - ***Supply Request Package Visibility and Traceability***
    - 3D CAD Technologies
    - Sizing and Fit Improvement
    - Shade Instrumentation Technology
    - Supplier Lot Testing Submittal

- The transition of new C&T items into the DLA supply system requires a Supply Request Package.
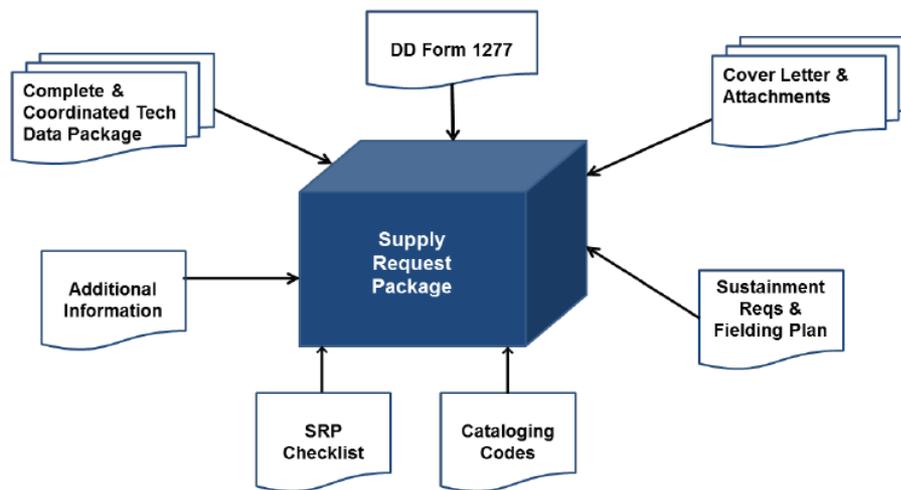
The SRP provides documentation for all product, engineering, logistics, and supply information required to support Procurement and contracting, item manufacturing, and DLA item management.

- The SRP process allows for a planned and coordinated transition to ensure optimal economic use of all existing stocks of affected items.

- Re-engineer coordination and communication processes for C&T individual item and equipment supply request requirements
  - Enable joint visibility over the SRP process
  - Provide SRP process traceability
  - Facilitate coordination activities

Whose action is next?

Are we ready to submit?

Where are the current documents?

Why isn't it approved?

Supply Request Package Tool

Current SRP Tool Scope

NEW ITEM INTRODUCTION

1. Service Develops TDP

2. Service Develops Log/Supply Reqs

3. Service Submits Complete SRP to C&T

4. C&T Reviews SRP

5. C&T Makes Acceptance Decision

Next Focus in Field Testing

Current Field Testing Focus
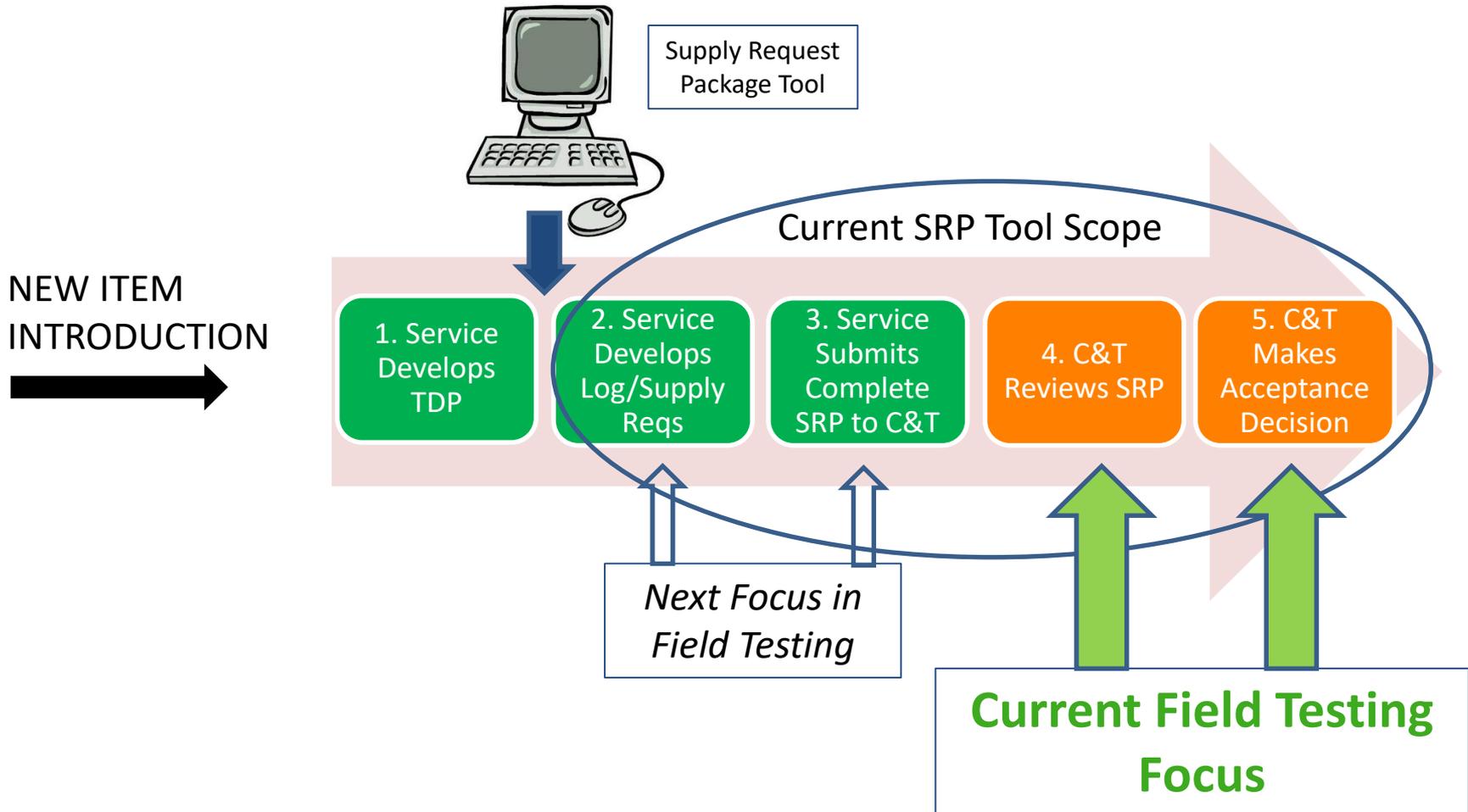
SRP Process Visibility and Traceability

Monitor SRP Lifecycles - Automated Status Changes

Visibility of SRP STATUS

Supply Request Packages - Air Force

SRP Type	DLA SRP Tracking No.	SRP Status	Status Age	Item Name
Full SRP	8430-ST1-0002	DLA-Accepted	1 days	DF Test Shoe, Lightweight, Athletic, Womens
Full SRP	AF Test	Service-Draft	50 days	Air Force Test Record
Request for NSNs	244-17	DLA-In Review	92 days	Pouch, Tracker Containment
Full SRP	236-17	DLA-Accepted	16 days	Outer Lens and Lock Subassembly

Track SRP Progress – Real-Time Milestone Updates

Item Name	NSN Assigned	DLA SRP Review PCT Complete	SRP Accepted	Date DLA SRP Acceptance	Effective Date of
DF Test Shoe, Lightweight, Athletic, Womens	Yes	100%	Yes	1/3/2018	1/1/2017
Air Force Test Record	Yes				
Pouch, Tracker Containment	No	80%	No		3/1/2019
Outer Lens and Lock Subassembly	Yes	100%	Yes	12/19/2017	

Visibility of SRP PROGRESS

Process Improvements

- Real-time **status updates** and **process tracking**

- **Reduce time** for item transition from Services to C&T

- Increase **complete, current** and **coordinated** technical and supply data submitted to C&T

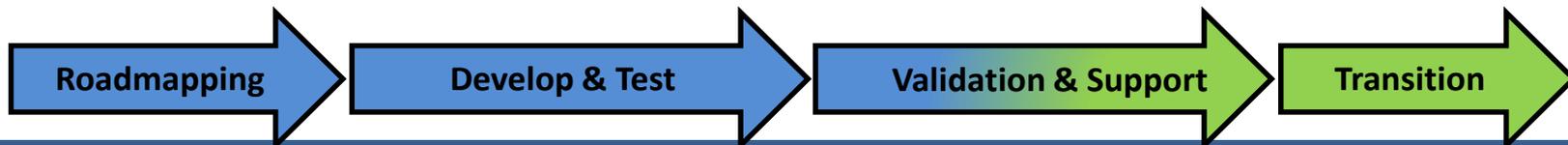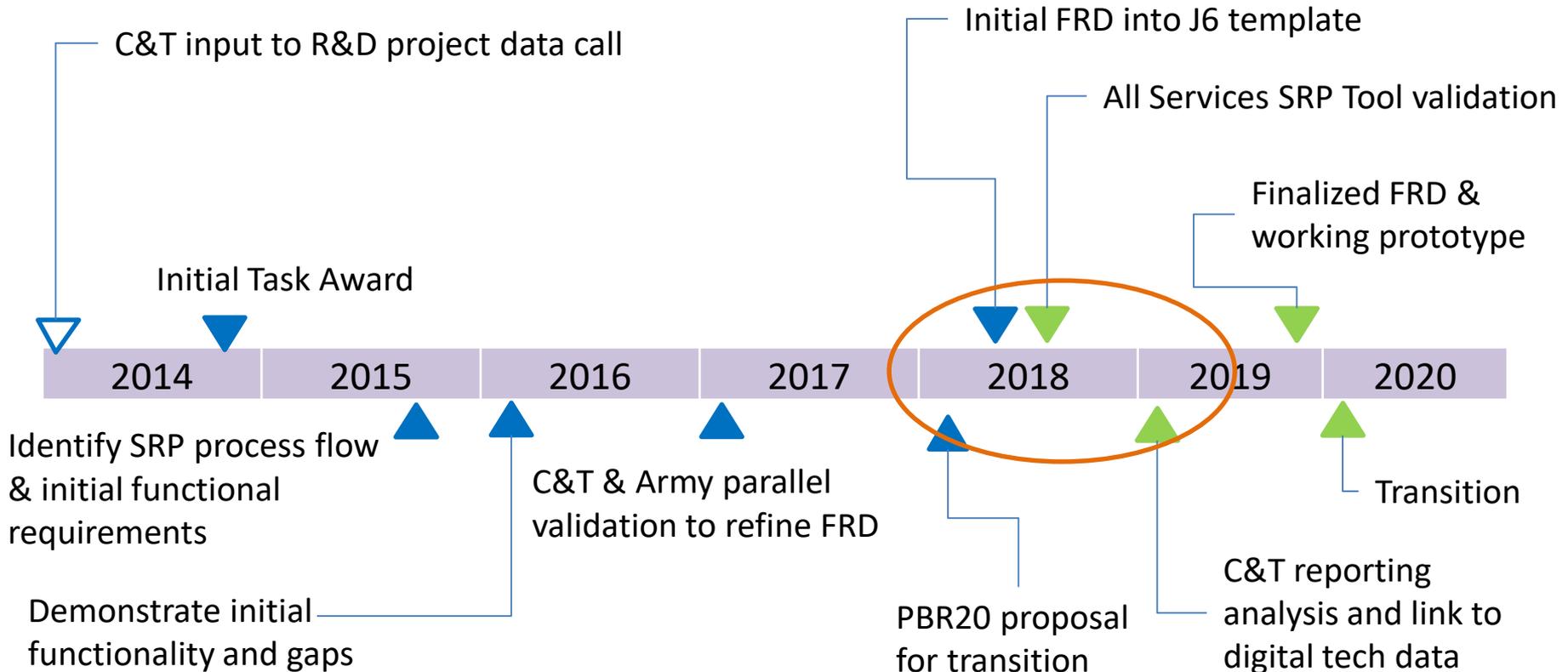- Opportunity to **build in earlier visibility** and coordination **between Service and DLA**

SRP Project Timeline

C&T input to R&D project data call

Initial FRD into J6 template

All Services SRP Tool validation

Finalized FRD & working prototype

Initial Task Award

| 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |

Identify SRP process flow & initial functional requirements

C&T & Army parallel validation to refine FRD

Transition

Demonstrate initial functionality and gaps

PBR20 proposal for transition

C&T reporting analysis and link to digital tech data

Roadmapping → Develop & Test → Validation & Support → Transition

- Services start submitting SRPs via MUST SRP Tool

- Extend SRP Tool's process visibility and traceability through material planning milestones to effective date of supply

- Develop final functional requirements document based on validated prototype

TexSpecs

TexSpecs creates interoperable structured digital models of Purchase Descriptions, Interim Changes, and other specification-based technical documents, which reduces the cost, time and errors associated with PDF based tech data management

TexSpecs is funded under the DLA Military Unique Sustainment Technology (MUST) Research and Development Program.
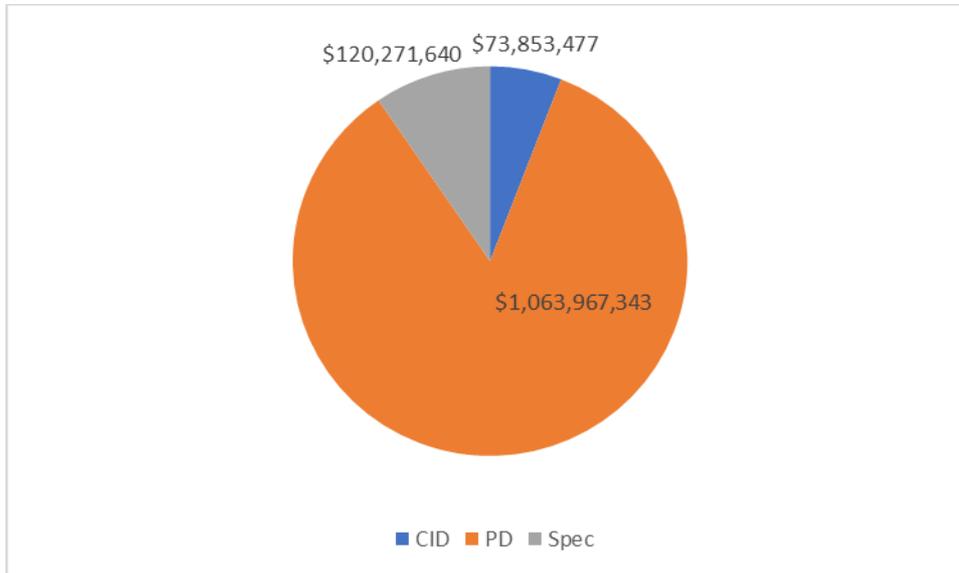
Contract SP4701-14-D-7006

- The need to tailor standard items for specific program or contract requirement frequently results in a list of Interim Changes that:
  - Are not integrated into the PD or specification.
  - Proliferate over time.
  - Are difficult for Government and Industry to manage, reuse, verify.

➢ This results in increased lead time, cost and risk.

➢ TexSpecs is a new, model-based approach for managing, using and analyzing purchase descriptions and their changes
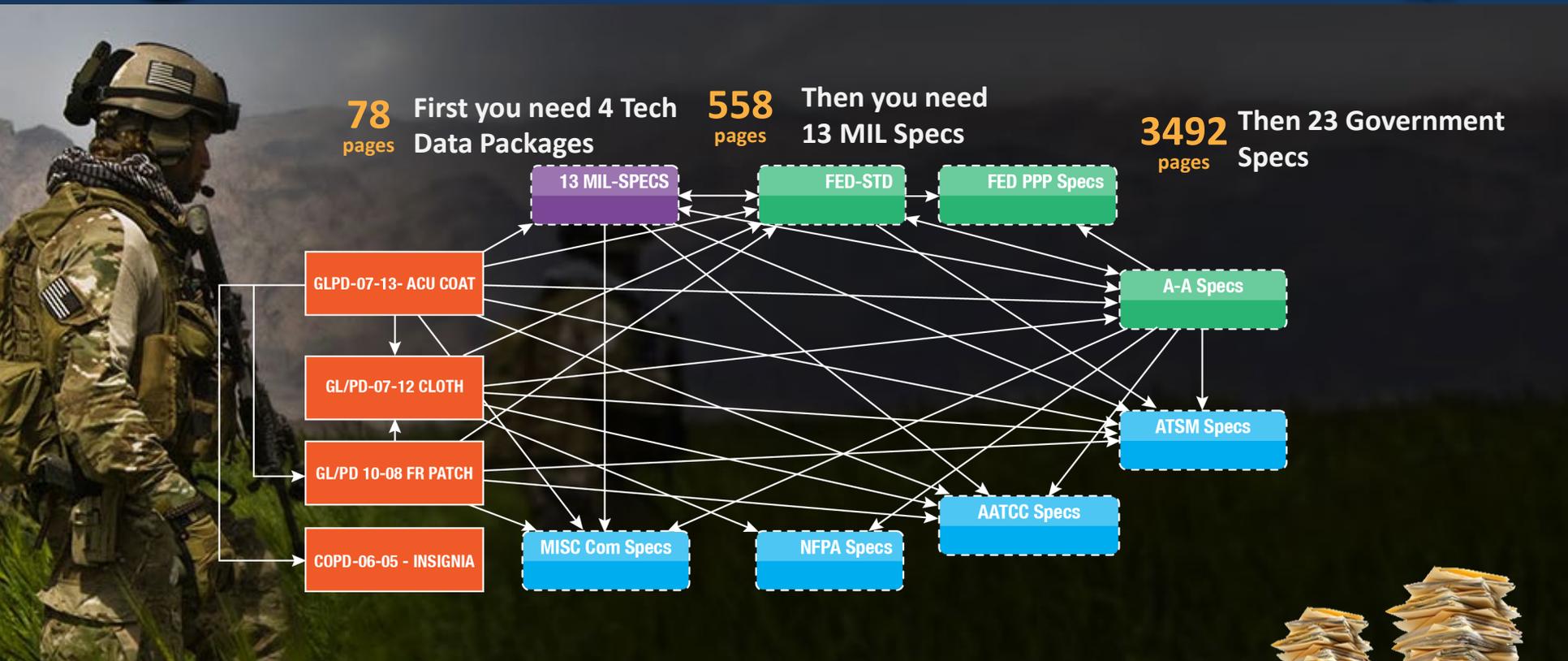
C&T Annual Demand Value Analysis

Pie chart values:
- $73,853,477 (CID)
- $120,271,640 (Spec)
- $1,063,967,343 (PD)

Legend: CID · PD · Spec

Type	Count of PGC	Sum of Annual Demand Value
CID	259	$73,853,477
PD	1041	$1,063,967,343
Spec	2730	$120,271,640
Unkown/Other	817	$43,797,476
Grand Total	**4847**	**$1,301,889,936**

- Over $1.3 B in C&T Demand Value from PDs and Specifications
- PDs are the largest share, they are often older documents with many interim changes.
- PDs do not follow MIL-STD-961E and are difficult to manage.
- TexSpecs uses Artificial Intelligence to make it easier to manage these documents and their changes.

78 pages — First you need 4 Tech Data Packages

558 pages — Then you need 13 MIL Specs

3492 pages — Then 23 Government Specs

13 MIL-SPECS

FED-STD

FED PPP Specs

GLPD-07-13- ACU COAT

GL/PD-07-12 CLOTH

GL/PD 10-08 FR PATCH

COPD-06-05 - INSIGNIA

MISC Com Specs

NFPA Specs

AATCC Specs

A-A Specs

ATSM Specs

(!) TOTAL: ACU, nearly 200 references to 98 documents & 5053 pages from 13 Document sources

Identifying requirements and managing change across this network is very difficult.

1. Easy Web based views of PDs and their Interim Changes in line – the change is right where it is supposed to be.

2. Automated MIL-STD-961E compliance checking alerts users to problems in formats and references to cancelled items.

3. Direct linking to sections within a PD and to Government and Industry Specifications and Standards.

4. Red-line view of changes to the PD and the documents it references.

5. MS Word interoperability makes it easy for the Product Specialist to maintain PDs and Ics.
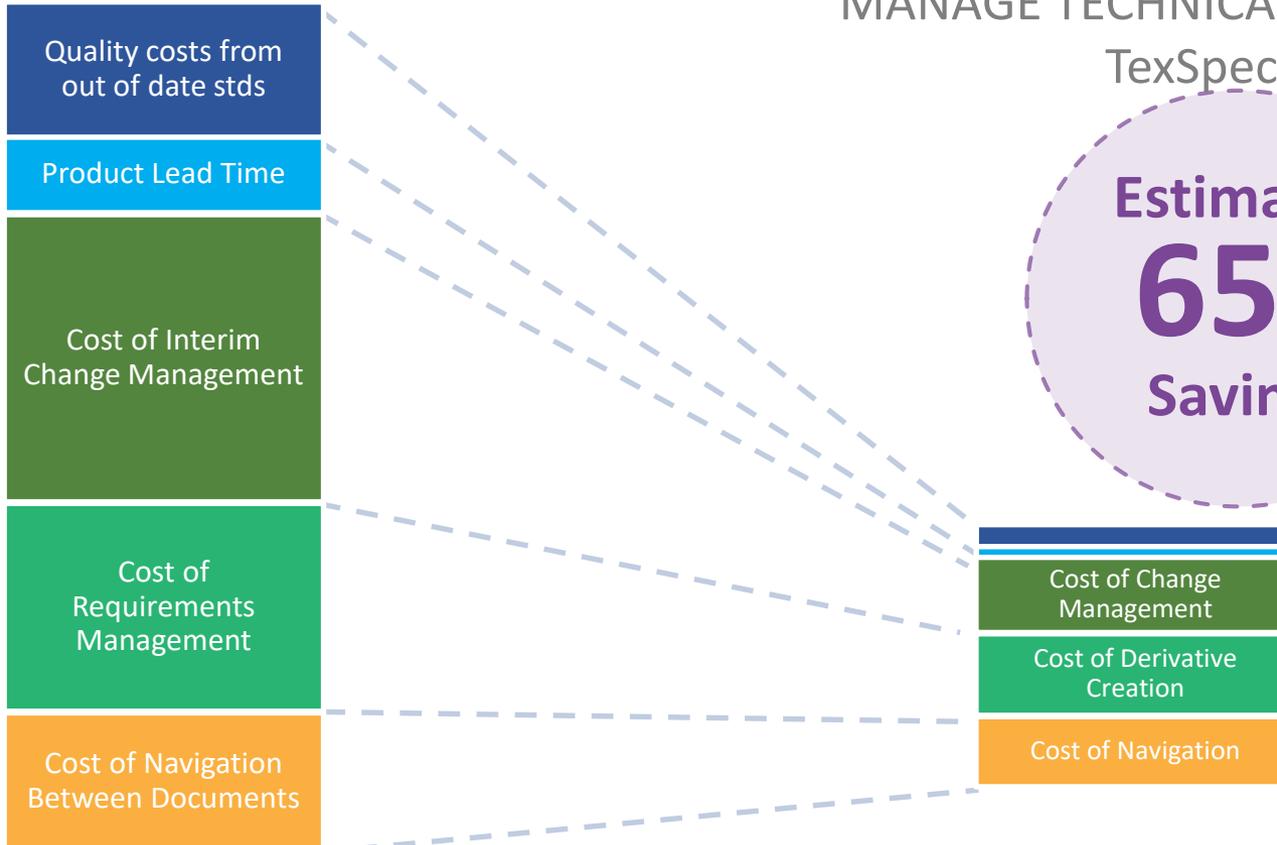
TexSpecs Value Proposition

TOTAL ENGINEERING COST TO CREATE AND MANAGE TECHNICAL DOCS WITH TexSpecs

Estimated 65% Savings

Quality costs from out of date stds

Product Lead Time

Cost of Interim Change Management

Cost of Requirements Management

Cost of Navigation Between Documents

Cost of Change Management

Cost of Derivative Creation

Cost of Navigation

TexSpecs reduces the cost of creating and using technical documents for DLA, its customers and suppliers

TexSpecs by the Numbers

- As of 1-NOV-2018, TexSpecs includes 112 Purchase Descriptions for a wide variety of C&T items.

- In addition, there are 219 related Federal and Military Specs, Standards, and Commercial Item Descriptions

- TexSpecs users also have access to over 12,000 ASTM standards, and to a complete library of AATCC Test Methods and Evaluation Procedures

- 219 updated Federal and Military Specifications will be available to Military CAC users in ASSIST.

- Improved tools for integrating Interim Changes in PDs.

- Improved MIL-STD-961E compliance checking.

- Tighter integration with the ASSIST document management workflow for Specs and PDs

Conclusion

- TexSpecs helps DLA manage Purchase Descriptions and Interim Changes

- It improves technical data quality and helps ensure MIL-STD-961 E compliance.

- It provides robust interoperability with DOD ASSIST and industry standards.

- Available to Government users through the MUST Portal.

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