

How to Create a Better Semiconductor Datasheet Process

Our Speaker



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Agenda

1 What is a Datasheet?

2 A Better Workflow

3 Demo

4 Q&A



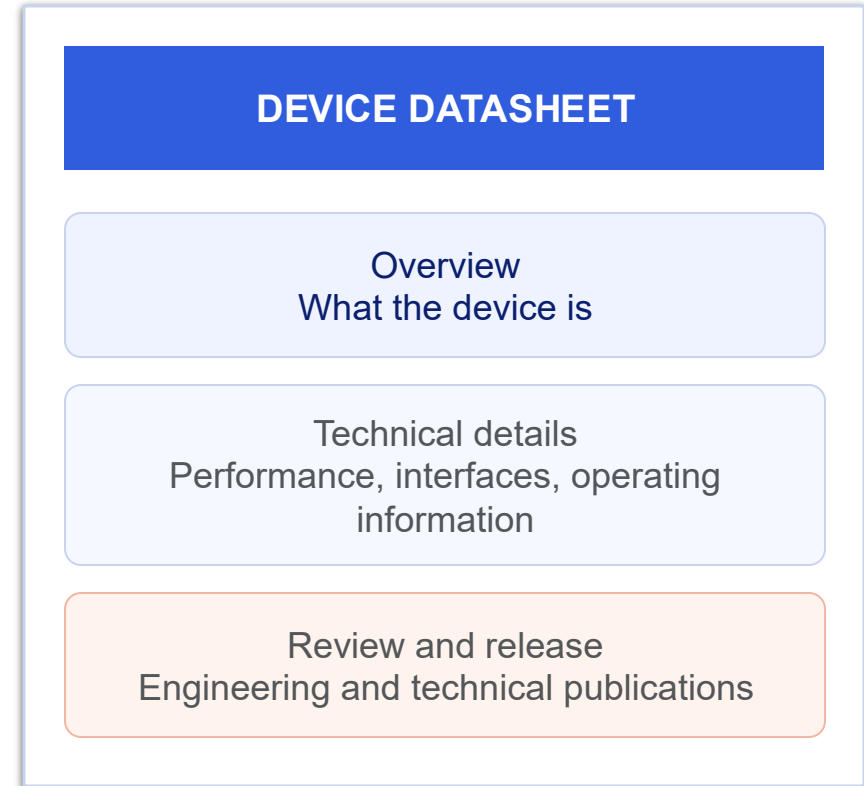
What is a Datasheet?



Anatomy of a Datasheet

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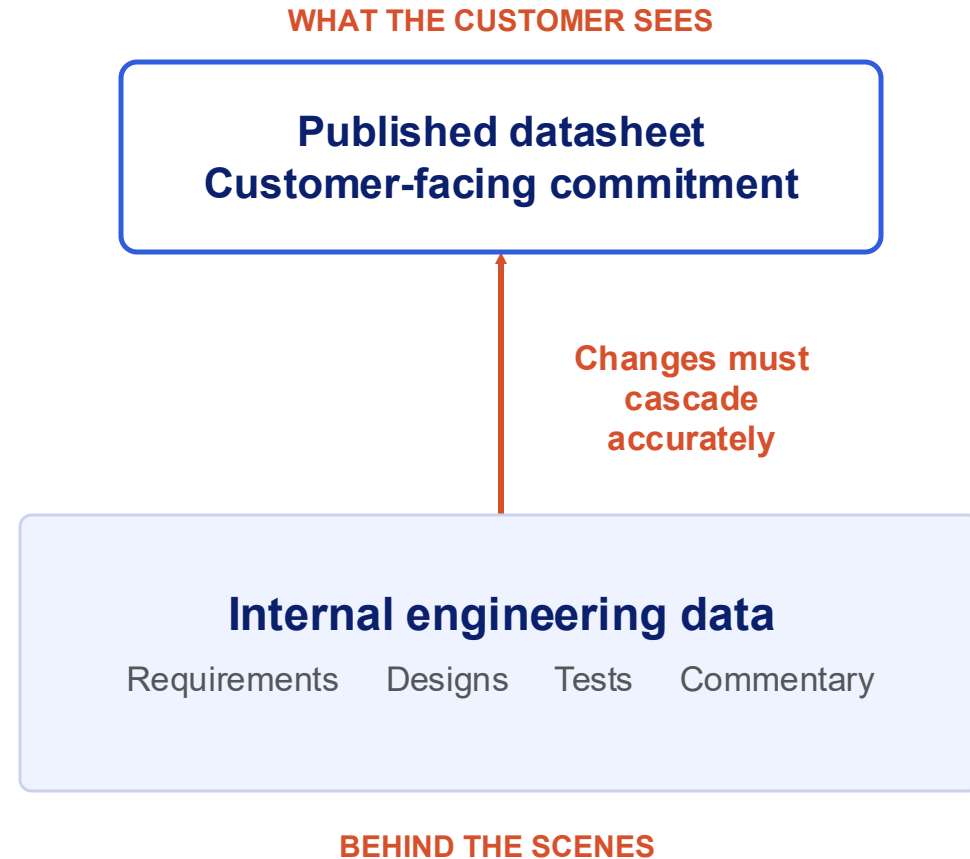
- A customer-facing specification for a chip, IP block, or SoC
- An overview supported by detailed technical and performance information
- A collaborative deliverable reviewed and approved for release



Why Datasheet Creation is Difficult

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- The published document is a customer commitment
- Its source information lives across engineering data
- Product changes must cascade into customer-facing content
- Small edits and major releases both need control



The Typical Datasheet Workflow

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Disconnected tools make changes, versions, and approvals harder to manage

What could go wrong?



A Jama Connect Approach to Datasheet Management



Governed Datasheet Workflow

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**Bring datasheet content closer to
the engineering data that supports it**

TRACEABLE

VERSIONED

REVIEWABLE

EXPORTABLE

The benefit is a better end-to-end process — one that is traceable, versioned, reviewable, and exportable.



The Datasheet Management Method

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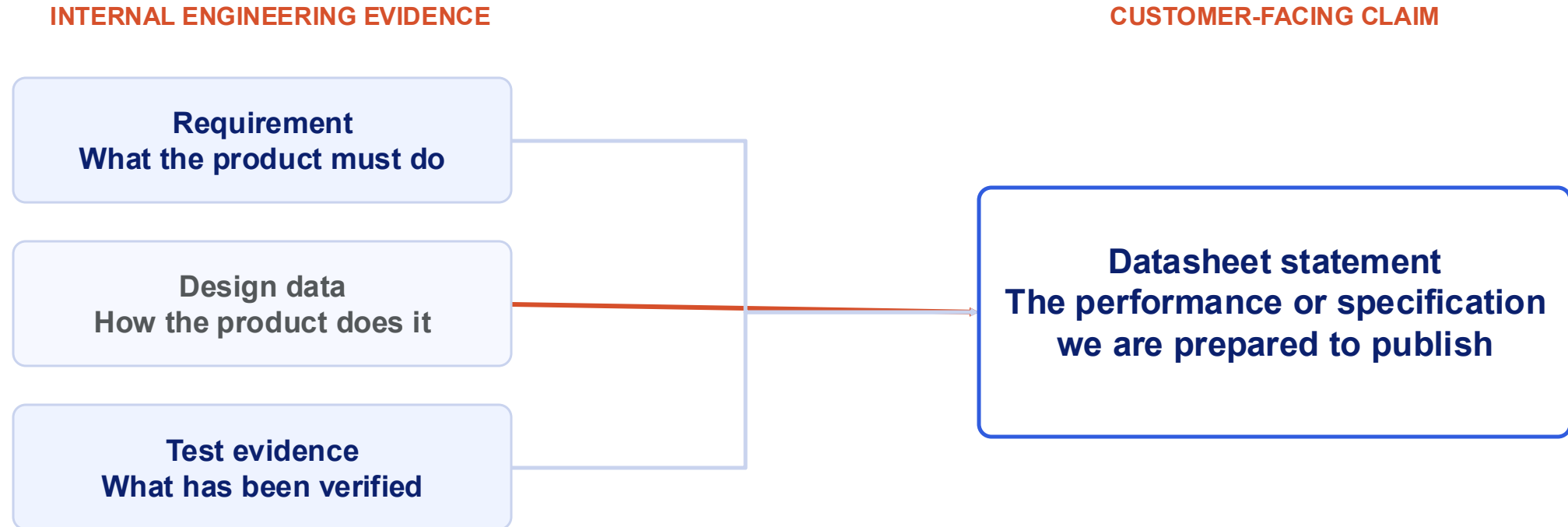


A streamlined, governed datasheet process



Traceability from Evidence to Customer Claims

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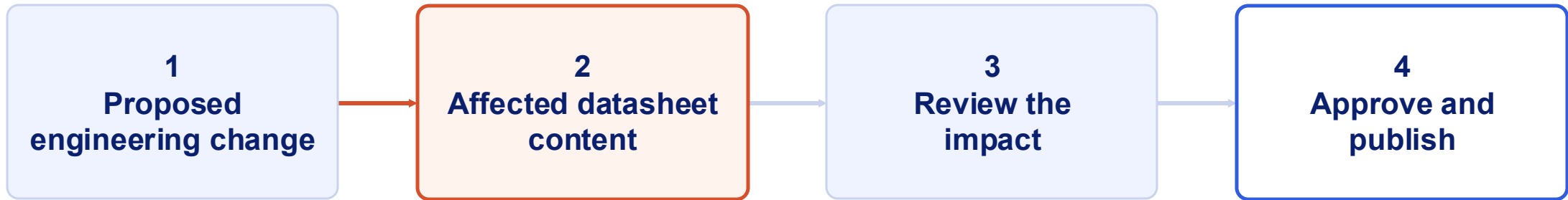


When evidence changes, traceability shows which datasheet content may need review



Impact Analysis Makes Change Manageable

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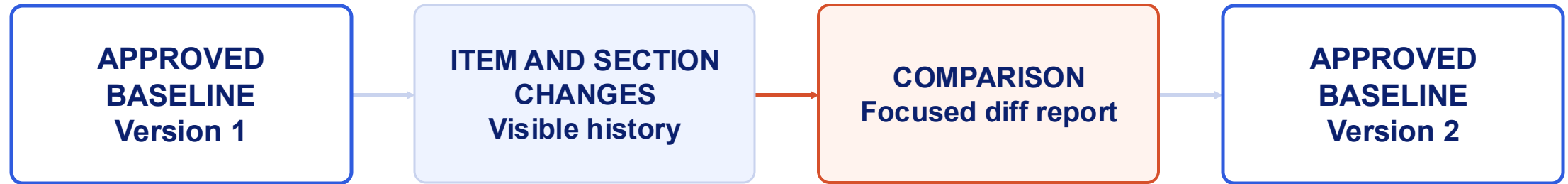


**Controlled workflows and approvals
create an auditable decision trail**



Version Control and Baselines

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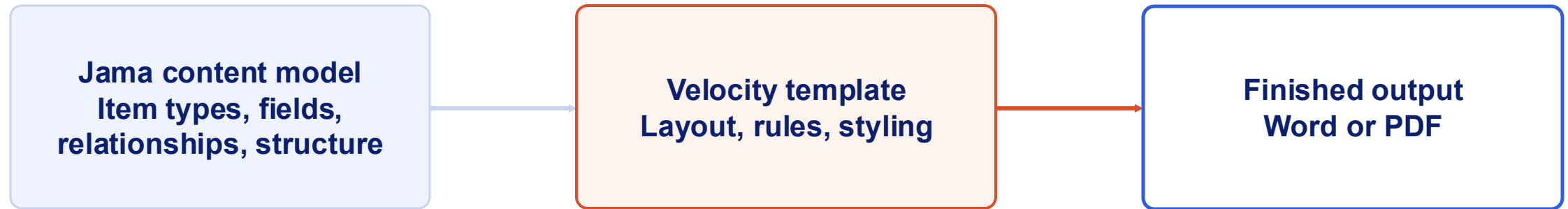
Tech pubs receives a digestible view of what changed

The same building blocks also support controlled product versions and variants



Publication and Implementation

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Start with the output you already know

Map the page types, content rules, branding, images, footnotes, references, and edge cases in the current specification

The same approach can extend to other customer-facing specifications



Demo



Demo Summary

HOW TO CREATE A BETTER SEMICONDUCTOR DATASHEET PROCESS

Datasheet Jama Structure and Export

Successfully designed
Jama Connect Project
to produce a datasheet

Live Traceability™ Unlocks Productivity Gains

Live Traceability to link
my internal engineering
data to external facing
datasheet items

Systematic Change Management

Capture, evaluate,
implement changes
and cascade that
through external facing
documentation

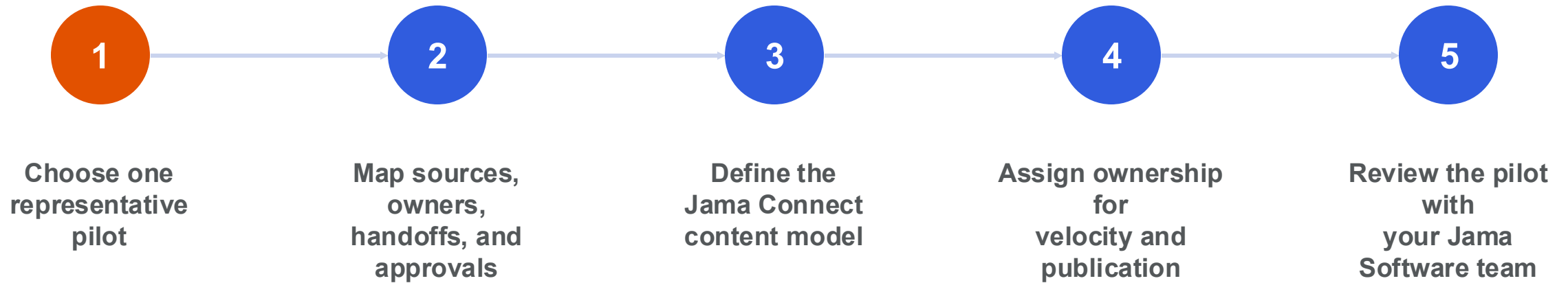
Version Management

Native version
management allows
easy-to-understand
revisions between
stakeholders



How to Get Started

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Start with a pilot



Q&A





Thank You

Additional References

- Velocity Training
 - Basic: <https://community.jamasoftware.com/velocitybasictraining>
 - Intermediate: <https://community.jamasoftware.com/intermediatevelocity>
- Semiconductor Solutions Page: <https://community.jamasoftware.com/kb/semi>
- Jama Success Programs: <https://www.jamasoftware.com/solutions/services/>