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Title: The Only Thing Constant is Change: What Happens to Quality Data When Engineering Changes Happen

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Description:

What happens to Quality data when engineering changes happen? Learn how the Quality Information Framework (QIF) can be leveraged to communicate changes and how traceability occurs during the change handoff.

Results:

When the Quality Department Receives an Engineering Change, if an interoperability standard is employed there is positive business impact. This paper will also explore:

- Current state of tools and standards
- Future state needs for tools and standards
- Process best practice recommendations
- Awareness around capturing engineering changes digitally
- View engineering change validation and see examples of the change reports

Abstract:

One of the largest business benefits from digital 3D CAD data exchange in the supply chain is managing engineering change communication and management. However, the details are often obscured because machine-readable data is challenging to comprehend by leaders and implementors. Our paper breaks down the data elements and explains the exchange of engineering changes and how they can be leveraged in metrology.

Learn how the Quality Information Framework (QIF) can be leveraged to communicate changes and how traceability occurs during the change handoff.

When the Quality Department Receives an Engineering Change we must explore data exchange using QIF across the supply chain handoff.

- Show QIF export from source model using Capvidia and Elysium QIF export
- Show source to QIF derivative model comparison using Capvidia and Elysium validation
- Show an automated engineering change comparison using Capvidia and Elysium reporting
- Show the changes on the shop floor

QIF is a highly interoperable and flexible framework that enables:

- Software vendors to easily implement
- Provides accurate and reliable data exchange during the supply chain handoff.

The more companies that see a robust digital data exchange process as it changes hands from company to company, the more we Trust Digital.

