

# FUTURE-PROOFING LEGACY TECHNICAL DOCUMENTATION

Modernising technical documentation is one of the greatest challenges facing aerospace, defence, and complex engineering organizations today.

Legacy documents cannot be considered reliable sources of information for critical operational needs or in a time of heightened readiness. Decades of legacy content, often unstructured, semi-structured, or non-compliant, creates a major barrier to adopting modern, standards-based platforms such as S1000D.

Pennant helps organisations confidently transition legacy technical information into fully structured, compliant, and maintainable formats, enabling integration into modern digital engineering and support environments.

## THE CHALLENGE

Many organizations discover that the biggest obstacle to digital transformation isn't technology, it's legacy documentation.

Common challenges include:

- Unstructured or outdated XML that cannot be reused
- High risk and uncertainty during conversion to S1000D
- Content that technically converts, but fails operationally
- Limited internal expertise to ensure long-term maintainability

Without a trusted conversion approach, legacy documentation becomes a risk multiplier rather than a digital asset.

## WHY LEGACY CONTENT TRANSFORMATION MATTERS

Effective legacy conversion is more than file translation. It requires understanding of technical authoring and content behaviour, rigorous quality and compliance processes and knowledge of how content is used.

Industry experience shows that the true value lies in ensuring content performs correctly across its entire lifecycle, from authoring and reuse to future systems.



## PENNANT'S STRUCTURED, QUALITY-DRIVEN APPROACH

Pennant applies proven methodologies and S1000D expertise to ensure legacy content is not only converted, but future-ready.

- 1 Analyse** - We evaluate existing documentation, unstructured, semi-structured, or non-compliant XML, to define scope, complexity, and restructuring needs.
- 2 Convert** - Legacy content is transformed into fully compliant, system-ready S1000D CSDB modules using Onepoint's ConvertWise tool, Pennant's R4i tool and experts, ensuring traceability and standards compliance.
- 3 Validate** - Converted content is tested to ensure correct behaviour across publishing, viewing, training, and maintenance environments, reducing integration risk.



## THE PENNANT ADVANTAGE

By leveraging Pennant's legacy conversion service capability, organisations benefit from:

- Unlock and preserve knowledge trapped in decades of legacy documents
- Reduce time associated with manual conversions
- Improve the quality, accuracy and consistency and structure of existing documentation
- Accelerate readiness for IETPs and digital sustainment environments
- Faster regulatory readiness
- Reduced specialist effort
- Better lifecycle asset management
- Faster time-to-first-value
- A future-ready digital documentation foundation
- Easier reuse of technical content

Organizations avoid the steep learning curve and overhead of internal conversion efforts Pennant combines technical documentation expertise, system support software, and IPS consultancy to deliver a solution that extends beyond conversion.



The real value of legacy transformation is not simply modernising files, it is creating a reliable, reusable information foundation that supports digital engineering and future technologies.

Pennant ensures your legacy content becomes a strategic asset, not a liability.

## LET'S START THE CONVERSATION

The Pennant team is ready to listen, simplify and help you address your specific needs in a way that suits you. Contact us:

Visit [www.pennantplc.com](http://www.pennantplc.com) or email [sales@pennantplc.com](mailto:sales@pennantplc.com)