







Host (on behalf of ASD):



ADS is the Premier Trade Organisation for companies in the UK Aerospace, Defence, Security and Space Sectors.

Turning the Language of S1000D into the Language of Machines Using Al

A Way to Simplify Maintenance and S1000D

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Company/organization: Lex^X Technologies

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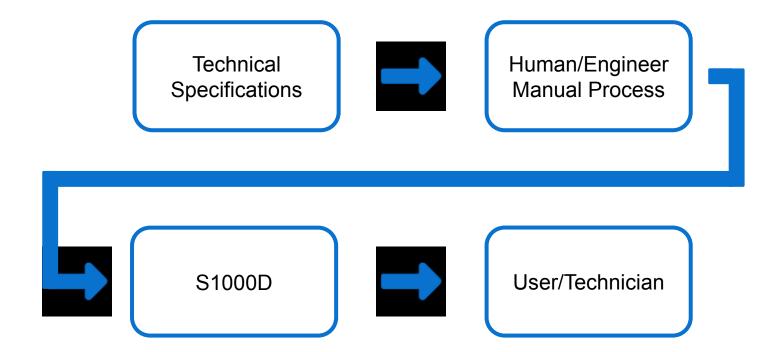






Current and New Ways to Convert Tech Specs to S1000D

Current Process:





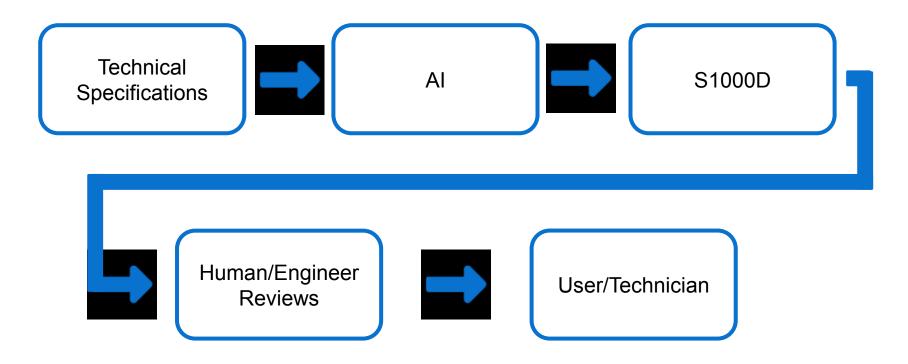






Current and New Ways to Convert Tech Specs to S1000D

Al Enabled Process:











New Al Applications Reduce Inherent Complexity



A layer of abstraction of the complexity of the documentation can be added to simplify the job of technicians utilising the S1000D format, and result in increased availability and on time performance of these complex systems.

Artificial Intelligence will simplify the process.

Natural Language
Processing bridges the gap
between the real and
digital worlds.





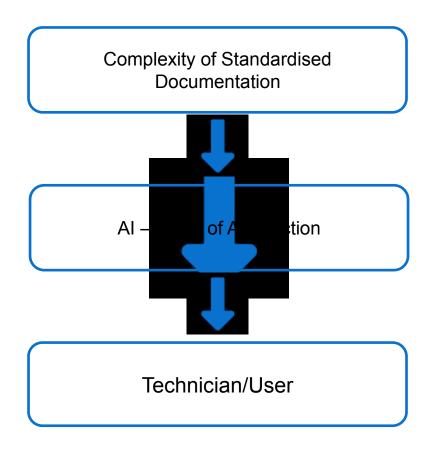




New Al Applications Reduce Inherent Complexity

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- Dupäcæted iateroipesability
- Signophilico attycfo apartilapants
- Enabling future developments











Common Standards - a Catalyst for Innovation

- Common standards for technical documents is a catalyst for innovation.
- Al algorithms can easily analyse and understand large volumes of data presented in standardised formats.
- Once the AI has become familiar with a system, it can provide diagnostics and repair assistance to maintenance technicians.
- Aviation document formats are particularly well suited to the machine learning processes that Al platforms use.









Al Excels Where Humans Struggle - Large Volumes of Data

- Large volumes of technical documents can be difficult for humans to review rapidly, but machines excel here.
- They can complement existing human capabilities and make the jobs of technicians using these formats easier.
- Al enables the simplification of complex systems and will result in an increased adoption of standardised, easy to access documentation.









Thank You

for your attention!

Questions?



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