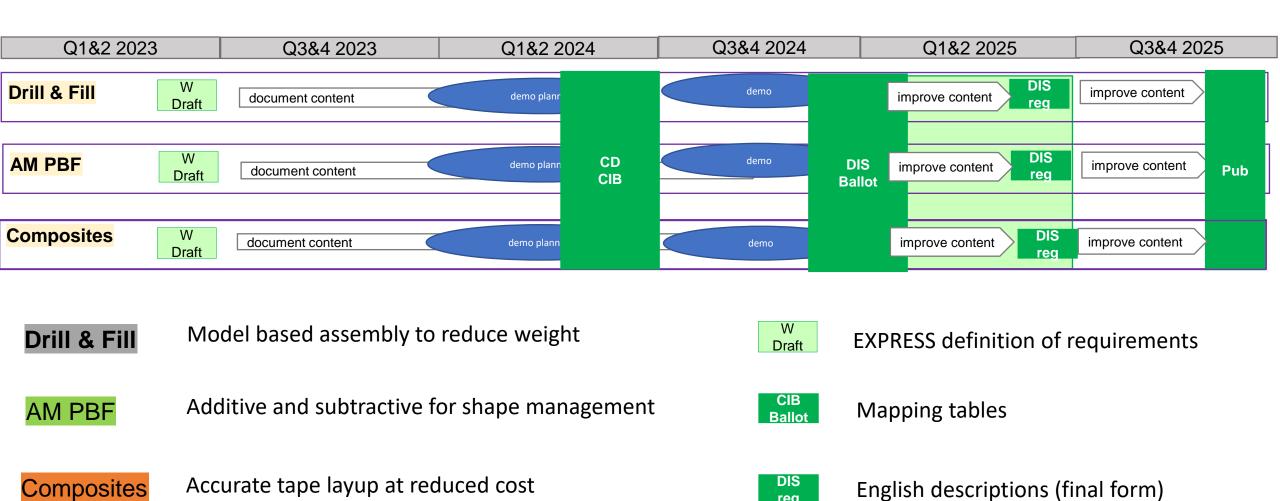
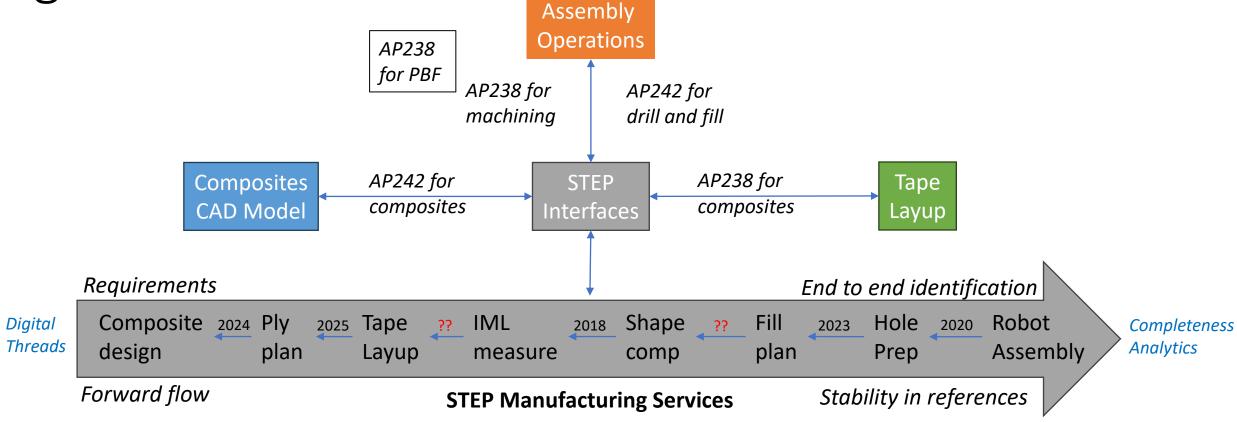
Digital Thread Testing

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AP238 E4 – Model Based Manufacturing



Digital Threads



Composites: Model with requirements for ply layup,

rosette direction, material thickness

Tape Layup: Tow breakages, movements and operations,

overlaps, gap and width management

Assembly: Ply's that fit structures with minimal machining,

Pins that have optimal grip lengths

Do we need a thread manager?

Principles

- 1. Functionality to make a UUID for an entity in a model
- Functionality to convert a UUID to a model and entity id
- 3. Functionality to merge threads during manufacturing

Add UIID for model and eid



Get model and eid for UUID

find UUID in a thread remove UUID from a thread merge and split threads