




SMART Manufacturing Interoperability

ASD-SSG Focus SMART Manufacturing representation and technical panel liaison links


### Global Bodies




ISO TC184/SC4




ISO/TC184




IEC/65/3




ART/1 AI




IEC/65/3 SMART Mauf




ISO/TC299 Robotics




ISO/TC184




IEC/65/3



CEN/TC438 ALM






CEN/TC442 BIM



CEN-CLC FG AI

CEN/TC 310  
Advanced Automation Technologies and their applications -  
Technical Committee Chair





# ‘Setting the Agenda for SMART Manufacturing interoperability’

## . WG update Next Steps 2020....

### Workplan & Deliverables

1. **ASD-SSG SM** - Now linked to UK BSI AMT/4 (ISO SC4), GEL/65/3 (IEC/65) , ART/1 (AI), CEN/TC310
2. **ISO/ IEC SMART Manufacturing** - ISO/IEC SM Mapping, DEI-MSP Working Groups, BIG Picture of Standards !!
3. **Digital Thread So What Business Relevance....** ‘Day in the Life’ Filter – presentation needed.
4. SMART Manufacturing BLIPs with scope statement.... update Q1 ‘19...for website..
  - MBD – Life Cycle Use cases examples (Bike concept) - Design, Modelling, Manufacturing, (Machining, Measurement) - In-service Feedback.... - ‘PMI’ Metrology Standards
5. **How do we influence** ‘ASD-SSG’ end user requirements current & future for end too end ‘Interpretability’?
6. **ALM 3D Printing** - Dependencies (Complex + Regulatory sector) - Geometry & Recipe (Material Properties)
7. **‘AI’ - Artificial Intelligence** use case types within Aerospace & Defence regulated sector?
8. **CAA-FAA** - ‘Sign Post’ Regulatory standards these effect the whole ‘Digital Life Cycle’ including ... ‘Manufacturing Data classification and retention...What is ASD-AIA wider industry role outside of ASD-SSG/ AIA-SGB
  - LOTAR - ‘Engineering focus’ what about as per produced **‘Manufacturing’** history... Digital evidence requirements FAA/ CAA - Data Classification, Data retention periods etc.
9. **External Supply Chain** - Wide sector reach and depth and Business & Technical Maturity.. Digital Readiness ?

### Risks

1. Help more Manufacturing ASD-SSG members (viewpoints needed) ASD-SSG... only Rolls-Royce at present...
2. Manufacturing Digital standards of interest covers a wide range of standard bodies and various ISO/SC’s.....