

**ISO 23247 Digital Twin framework for manufacturing
DIS Ballot and Use Cases, Meeting Agenda
Boeing Building 25-01, Longacres, Seattle**

Monday February 3rd to Friday February 7th, 2020

Monday February 3rd – ISO 23247 DIS Ballot Preparation

08:00AM	Part 1 ballot comment responses
10:00AM	Coffee break
10:30AM	Part 2 ballot comments responses
12:00PM	Lunch
01:00PM	Parts 3 & 4 ballot comments responses
03:00PM	Coffee Break
03:30PM	Review ballot comment responses with Far East P-Members
05:00PM	Close

Tuesday February 4th – Ballot Comment Review with P-Members

08:00AM	Review ballot comment responses with European P-Members
10:00AM	Break
10:30AM	Response to P-Members reviews
12:00PM	Lunch
01:00PM	Part 1 DIS submission
03:00PM	Break
03:30PM	Part 2 DIS submission
05:00PM	Close
06:00PM	No-host Dinner at Somewhere Inappropriate

Wednesday February 5th – Final DIS Preparation

08:00AM Part 3 DIS submission
10:00AM Break
10:30AM Part 4 DIS submission
12:00PM Lunch

Wednesday February 5th – Digital Twin Use Cases

01:00PM Use case examples
Robot drill and fill
Closed Loop Machining
FAA Inspection
Others
03:00PM Coffee break
03:30AM Use case technologies
MTCConnect, OPC UA and UMIT
STEP, STEP-NC and QIF
ISA-95 and Industrial Ontologies
05:00PM Close

Replace Renton 737 Tour with Everett 787 Tour?

Thursday February 6th – Robot Drill and Fill Use Case

08:00AM Technology gaps
Observable Elements and the Digital Exhaust
Data Collection and the Digital State
Digital Twin and its applications
10:00AM Break
10:30AM Making Digital Twin models
Airframe PMI models
Robot kinematic models
Parallel process models
12:00PM Lunch
01:00PM Travel to UW

02:00PM UW BARC Lab Robots – Kenny, Kyle, Stan & Cartman
03:00PM Discussion of use case goals with UW students
04:00PM Return to Renton
05:00PM Close
06:00PM No-host Dinner at Somewhere Appropriate

Friday February 7th – Digital Twin Technology

08:00AM Action items for Bergen meeting
10:00AM Close

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