

Joint Working Group for Digital Manufacturing

Inaugural Meeting

October 19th – 22nd, 2015
Pier 5 Hotel, Baltimore, USA

DAY 1 MONDAY OCTOBER 19TH – DISCUSSIONS ON INDUSTRY REQUIREMENTS

08:00AM	ISO TC184/SC4 Plenary Meeting
10:00AM	Break
10:30AM	Requirements from ISO Standards <ol style="list-style-type: none">1. <i>STEP-NC AP238</i>2. <i>STEP-NC ISO 14649</i>3. <i>Cutting Tools ISO 13399</i>4. <i>STEP AP242 Editions 1 & 2</i>
12:00PM	Lunch
01:00PM	Requirements from Industry Solutions <ol style="list-style-type: none">1. <i>ISO 261 Additive Manufacturing AMF</i>2. <i>Machine Tool Monitoring MTConnect</i>3. <i>CMM Measurement QIF</i>4. <i>Quality Assurance PPAP</i>5. <i>Korea Projects</i>6. <i>Japan Projects</i>
03:00PM	Break
03:30PM	Requirements for Digital Manufacturing <ol style="list-style-type: none">1. <i>Milling and Turning</i>2. <i>Cutting Tools and Fixtures</i>3. <i>Machine Tools</i>4. <i>Additive Manufacturing</i>
05:00PM	Close

DAY 2 TUESDAY OCTOBER 20TH – DISCUSSIONS ON TECHNICAL SOLUTIONS

- 08:00AM **Summary of Day 1 Requirements and Goals**
1. *Product requirements*
 2. *Process requirements*
 3. *Resource requirements*
 4. *Measurement requirements*
 5. *Monitoring requirements*
 6. *Quality Assurance requirements*
- 10:00AM Break
- 10:30AM **UUIDs and Part 21 Edition 3**
1. *Anchors and References*
 2. *EXPRESS constants*
 3. *ZIP files and Digital Signatures*
 4. *Linking to other standards*
- 12:00PM Lunch
- 01:00PM **AP242 and Modules**
1. *AP242 Edition 1*
 2. *AP242 Edition 2*
 3. *Advantages and disadvantages of Modules*
- 03:00PM Break
- 03:30PM **Round Hole Test Case**
1. *Feature definition*
 2. *Operation definition*
 3. *Cutter definition*
 4. *Solution definition*
- 05:00PM Close

DAY 3 WEDNESDAY OCTOBER 21ST – INDUSTRY DAY PRESENTATIONS***Technology demonstrations will be given during the breaks***

08:00AM	TC 184/SC4 Plenary Meetings
10:00AM	Break – Technology demonstrations
10:30AM	Industry Requirements for Digital Manufacturing <ol style="list-style-type: none">1. <i>USA Projects (STEP-Manufacturing)</i>2. <i>EU Projects (ISO 14649, Industry 4.0 and AP242)</i>3. <i>Far East Projects (Japan and Korea)</i>
12:00PM	Lunch
01:00PM	Digital Manufacturing Applications <ol style="list-style-type: none">1. <i>Eliminating the post processor</i>2. <i>Enabling cloud services</i>3. <i>Integration with measurement devices</i>4. <i>Making machining 15% more efficient</i>
03:00PM	Break – Technology demonstrations
03:30PM	Getting Started Projects <ol style="list-style-type: none">1. <i>Tooling Optimization</i>2. <i>MTConnect Integration</i>3. <i>QIF Measurement</i>4. <i>Tamper Proof Machining</i>
05:00PM	Close
06:00PM	Technology demonstrations In break room
TBD	Social Event

DAY 4 THURSDAY OCTOBER 22ND – CLOSE OUT

08:00AM	Unfinished Business
10:00AM	Break
10:30AM	Review of Action Items <i>1. Action items</i> <i>2. Logistics for next meeting</i> <i>3. Any other business</i> <i>4. Close of JWG</i>
12:00PM	Lunch
01:00PM	Part 21 Edition 3 Issues
03:00PM	Break
03:30PM	ISO TC184/SC4 Meetings
05:00PM	Close