**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**

1. *STEP-NC AP238*
2. *STEP-NC ISO 14649*
3. *Cutting Tools ISO 13399*
4. *STEP AP242 Editions 1 & 2*

12:00PM Lunch

01:00PM **Requirements from Industry Solutions**

1. *ISO 261 Additive Manufacturing AMF*
2. *Machine Tool Monitoring MTConnect*
3. *CMM Measurement QIF*
4. *Korea Projects*
5. *Japan Projects*

03:00PM Break

03:30PM **Requirements for Digital Manufacturing**

1. *Milling and Turning*
2. *Cutting Tools and Fixtures*
3. *Machine Tools*
4. *Additive Manufacturing*

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*

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***

08:00AM **TC 184/SC4 Plenary Meetings**

10:00AM Break

10:30AM **Industry Requirements for Digital Manufacturing**

1. *USA Projects (STEP-Manufacturing)*
2. *EU Projects (ISO 14649, Industry 4.0 and AP242)*
3. *Far East Projects (Japan and Korea)*

12:00PM Lunch

01:00PM **Digital Manufacturing Applications**

1. *Eliminating the post processor*
2. *Enabling cloud services*
3. *Integration with measurement devices*
4. *Making machining 15% more efficient*

03:00PM Break

03:30PM **Getting Started Projects**

1. *Tooling Optimization*
2. *MTConnect Integration*
3. *QIF Measurement*
4. *Tamper Proof Machining*

05:00PM Close

**Day 4 Thursday October 22nd – *Close Out***

08:00AM **Unfinished Business**

10:00AM Break

10:30AM **Review of Action Items**

1. *Action items*
2. *Logistics for next meeting*
3. *Any other business*
4. *Close of JWG*

12:00PM Lunch

01:00PM **Part 21 Edition 3 Issues**

03:00PM Break

03:30PM **ISO TC184/SC4 Meetings**

05:00PM Close