AGENDA

T24 STEP-Manufacturing

June 16 - June 18, 2010
NIST, Maryland

DEMONSTRATION AND TUTORIALS DAY 1 – WEDNESDAY JUNE 16TH

Time	Event
7:30AM	Get badges, NIST Gate house
08:00AM	Welcome *Fred Proctor, NIST.*
08:30AM	Introduction to STEP-NC *Martin Hardwick, STEP Tools, Inc.*
09:00AM	Measuring Tool Wear *Boeing*
09:30AM	Tool Wear Demonstration *Fred Proctor, NIST.*
10:00AM	Break
11:00AM	"Live" Machining Demonstration *Mike Mcglauflin, NIST.*
11:45AM	Group Photo
12:00PM	Lunch
01:00PM	Demonstration continued *The Participants*
01:30PM	Tutorial 1 - Making the STEP-NC data *Magnus Lundgren, KTH*
02:15PM	Tutorial 2 – The STEP-NC Explorer *Martin Hardwick, RPI & STEP Tools*
03:00PM	Break
03:30PM	Feedback from participants
04:00PM	Suggestions for next demonstration

DISCUSSION DAY 2 - THURSDAY MAY 15TH

08:00AM   Cutting Tool session
                 Tool Requirements vs Physical Tools
                 Required and Optional attributes
                 Maximum, minimum and regular values
                 Recommended changes for AP-238

10:00AM   Break

10:30AM   STRL's (STEP URL's)
                 Line balancing using STRL's
                 Distributed simulation using STRL's
                 Distributed planning using STRL's
                 STRL's and reference documentation
                 Recommended changes for AP-238

12:00PM   Lunch

01:00PM   Machine Tool Model
                 Machine Tool Model in the STEP-NC Explorer
                 Machine Tool Model in AP-214
                 Fixtures and Machine Tool Models
                 Recommended changes for AP-238

03:00PM   Break

03:30PM   Closed Loop Machining Model
                 Tolerance Evaluation
                 Error correction methods
                 Compensating tool paths and trajectories
                 Recommended changes for AP-238

05:00PM   Close of day 2

DISCUSSION DAY 3 - FRIDAY MAY 15TH

08:00AM   AP-238 Edition 2
                     Summary of Technical Corrigendum 1
                     Summary of new changes
                     Recommendations for Edition 2

10:00AM   Break

10:30AM   Next Demonstration - Closed Loop Machining for large
                     assemblies
                     Measuring the structure
                     Compensating the machining
                     Inspecting the result

12:00PM   Lunch

01:00PM   Next Demonstration continued
                     Scripting operations
                     FARO arm to CNC machine communication
                     Laboratory testing
                     Resources and schedule

03:00PM   Close of Day 3