

Meeting notes for June 21, 2004 I++ DME implementer's conference call

Meeting secretary: John Horst
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Name	Organization	Present
Ray Admire	Lockheed Martin	
Manfred Becker	Zeiss	
Perluigi Borgogno	Wilcox Associates	✓
Dick Engel	GMPT	✓
Joe Falco	NIST	✓
Sandy Gill	Ford	
Swen Haubold	Mitutoyo	
Erhardt Heft	Zeiss	✓
John Horst	NIST	✓
René Keller	Metromec	✓
Tom Kramer	NIST	✓
Chuck Leckenby	Tecnomatix	
Mike Martini	General Electric Transportation	
Günter Moritz	Messtechnik Wetzlar	
Michel Penlae	Wilcox Associates	✓
Chiratana Pot	Tecnomatix	✓
Walter Punegam	Zeiss	
Josef Resch	Zeiss	✓
Bill Rippey	NIST	✓
John Rosser	Renishaw	✓
Ken Sheehan	Entelegence	
Dave Smith	LK	✓
Rob Stewart	Daimler-Chrysler	
Keith Stouffer	NIST	
Tim Taylor	General Electric Transportation	
Mark Vinson	Boeing	
Bob Waite	Daimler-Chrysler	
Betsy Weddendorf	General Electric Transportation	
Martin Wimmer	Zeiss	
Ron Wood	GMPT	✓
John Wooten	LK	✓

1 IMTS demo planning meeting report

John and Bill reported on the goals and decisions of the IMTS demo planning meeting held at the Quality Expo in Novi, Michigan, USA on June 9, 2004. The stated goals were 1) to present a proposed demo to potential demo participants, 2) to get feed back on the proposed demo, 3) to discuss and decide on the principal target audience for the demo and to determine how that audience should

affect our proposed demo, and 4) to solicit and receive firm commitments from potential demo participants and to identify and agree to the requirements of participation.

The desired audience was decided to be purchasing and executives among OEMs and their suppliers (rather than technical). The impact of this decision on the demo is that more focus should be placed on careful presentation of our message and less focus on the complexity in the technical details of the actual demonstration. Bill has already created a draft presentation.

The proposed round robin scenario for demo execution met with a mixed response, with some doubting the feasibility. As a result, the group felt it was critical to begin testing this round robin against the actual demonstration inspection plan and test artifact. Delmia agreed to generate the inspection plan and Daimler Chrysler agreed to provide and distribute the artifact.

Commitments to participation were made by the following companies:

Company	Node type
Zeiss	I++ DME Server
Hexagon	I++ DME Server
Metrologic	I++ DME Client
Tecnomatix	I++ DME Client
Hexagon (Wilcox)	I++ DME Client
LK	I++ DME Client
DCS	DML-interpreting SPC software
Delmia	Offline Programming

2 IMTS demo discussion

Bill stated that NIST is now the distribution point for the DMIS program and the artifact and will send them to the participants that need them.

John pointed out that NIST did not and will not solicit participation in the demo and certainly does not make decisions on who will participate, but the this solicitation and selection was done by the MEPT executive group (Waite, Allan, and Yunas) less NIST.

Some discussion ensued on the feasibility of round robin execution of the demo. Michel mentioned that he is currently capable of doing this. Dave said he has been discussing this with his colleagues and that there seem to be a couple of challenges. John reiterated the importance of getting the client software running at the NIST testbed and experimenting with round robin execution prior to the demo.

3 Progress on the NIST I++ DME test suite

Tom described his progress on the test suite, including 1) completed revision of the command and response classes to bring them up to compliance with version 1.4 of the I++ DME spec, 2) rewrote the command and response parsers, 3) built a larger set of test cases which has both command and response files, 4) created a UNICODE version of the response parser, 5) worked on world model and a context checker, and 5) worked on a converter that will convert points in each test case to be within the measurement range of the particular CMM under test.

4 I++ DME specification

Josef reported that he and Günter have not yet completed the responses to the integrated comments document generated by this group, but he gave assurances that the work will be done very soon, perhaps within the week.

Josef mentioned that he received some additional comments (use cases). The first on calibration was resolved by the I++ DME group that they are planning to give nominal probe data on the interface. They considered and rejected using the "name space" for sensor data. Secondly, any camshaft and crankshaft related functionality will have to wait until optical sensor functionality is added.

5 New and outstanding action items

- NIST will distribute the Delmia generated DMIS program for inspecting the DCX part to IMTS demo participants.

Our next meeting is planned for July 12, 2004. Talk with you then!