

## Meeting notes for March 8, 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	✓
Joe Falco	NIST	✓
Swen Haubold	Mitutoyo	
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	✓

### 1 Discussion on action items from previous meeting

- NIST will find out what the conditions are that trigger the timer error message in the test suite version 2.1 and report back to the group.*  
Michel said that more detail on these types of errors would be helpful.
- NIST plans to generate a schedule for developing Internet connections between client and server implementations.*  
John sent out this schedule last week and meeting attendees had no major problems with it.
- NIST will discuss the improvements to the spec suggested by Michel at the previous (2/23/04) conference call.*  
Done. See test suite status section below.

4. *Implementors will send use cases on the incompatibility and harmonization issues between DMIS and I++ DME to Gerd or Josef, for inclusion in the 2nd day of meetings planned for April 20th and 21st in Stuttgart.*  
No progress.
5. *NIST will work on and send out a new interoperability testing schedule to the group.*  
Waiting for successful demonstrations of client/server connections.
6. *NIST will send out a spreadsheet of preliminary interoperability testing metrics to the group.*  
Not done.
7. *Josef will ask the I++ group for their willingness to allow the I++ DME spec to go to an international standard (e.g., ISO) after completion of work on the I++ DME spec.*  
Will discuss at Stuttgart.
8. *NIST will send out a spreadsheet of preliminary interoperability testing metrics to the group.*  
Not done.

## 2 Status and update on I++ DME implementations

Michel reiterated his open question about the tool names, for example, what does the predefined name, RefTool, mean? Josef said that in their implementation it is a real tool. It was pointed out that neither RefTool nor NoTool is specified as being one of the tools in the list of the names of all available tools (although section 6.3.2.23 on EnumTools() gives an example where both RefTool and NoTool are part of the list).

Tom said that the specification should explicitly state that both RefTool and NoTool should be part of the list of available tools. Tom also pointed out that a ChangeTool command to a tool called "NoTool" is the only way to remove a tool from the carriage without reloading another tool.

Josef agreed that both these items should be more explicitly stated in the specification. Michel said he is still uncertain as to what RefTool actually means. Josef said that RefTool is a special tool with specific properties that is normally available.

## 3 Status and update on I++ DME test suite

NIST held an internal meeting to discuss Michel's suggested changes to the version 2.1 test suite. As a result NIST is planning to make the following changes and additions to the test suite.

1. To address the problem of differing machine coordinate limits and ranges for differing real CMM systems, NIST will build a utility that translates and/or rotates coordinate values in command files and what ever else is necessary. NIST also plans to allow the test suite user to enter a tool name through this additional utility.
2. NIST plans to add the ability to automate test file execution to the client-side utility.
3. NIST also plans to add several useful preset commands in separate windows (or as a pulldown menu), such as StopSession, EndSession, ClearAll, and Rewind, to the client-side utility.
4. NIST will add more detail about socket errors in its reporting of errors on the client-side test utility.
5. NIST plans to deliver a listing of server-side test cases prior to the next conference call for discussion then.

## 4 Miscellaneous issues

René pointed out that there are no meeting times on the Stuttgart meeting invitation he received from Gerd, just dates. Josef said he would fix that. Chiratana and Mike Martini pointed out that they had not received invitations to the meeting. Josef promised to remedy that problem.

## **5 New and outstanding action items**

- NIST plans to deliver a listing of server-side test cases prior to the next conference call for discussion then.
- NIST plans to add the ability to automate test file execution to the client-side utility.
- NIST plans to add several useful preset commands in separate windows (or as a pulldown menu), such as StopSession, EndSession, ClearAll, and Rewind, to the client-side utility.
- NIST will add more detail about socket errors in its reporting of errors on the client-side test utility.

Next meeting planned for March 22, 2004.