

Meeting notes for February 2, 2004 I++ DME implementer's conference call

Meeting secretary: John Horst
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February 2, 2004

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	
Günter Moritz	Messtechnik Wetzlar	
Michel Penlae	Wilcox Associates	✓
Chiratana Pot	Tecnomatix	✓
Walter Punegam	Zeiss	
Josef Resch	Zeiss	✓
Bill Rippey	NIST	✓
Ken Sheehan	Entelegence	
Dave Smith	LK	✓
Rob Stewart	Daimler-Chrysler	✓
Keith Stouffer	NIST	
Mark Vinson	Boeing	
Bob Waite	Daimler-Chrysler	

1 I++ DME interoperability demo issues

John reviewed the manner in which NIST (as client) performed an interoperability test with LK (as server) back in July 2001 (actually, it was really more like a compliance test, but that introduces unnecessary detail). Since NIST initiated the link (it was the client), NIST happened to have no firewall problems. LK placed the server-side PC controlling the CMM outside the firewall. When tests were complete, LK wiped the PC clean and brought it back within the firewall. John expressed doubt that this is the kind of process most of us want to engage in for interoperability testing. John mentioned that he has requested but not yet gotten much information on other methods of connecting, except that VPN (Virtual Private Networks) looks promising. He asked if anyone knew more about this. Perluigi said he is currently able to perform IO tests over the Internet and that his Internet service provider supplied the interface. Swen mentioned several options including VPN, PPPT (PPPT is Microsoft-oriented and has poor encryption), and DNAT (Destination Network Address Translation). Michel mentioned that he has employed a solution utilizing a small router that operates something like the DNAT. Both Swen and Michel, who have had experience with the problem, argued that any Internet communications solution will depend highly on the particular software and hardware (server and firewall) solutions but that some generic information helpful to the group should still be generated and distributed.

2 Developers meeting

Developers meeting dates: Josef said he has only received suggested meeting dates from Dave, René, and John. The week just before and the week just after Easter are not good. Josef suggested meeting during the week of 29th March or the week of 19th April. The meeting is planned for the Daimler-Chrysler location at the Stuttgart airport.

3 Status and update on I++ DME implementations

John asked about progress on the generation of use cases on the need for calibration and sensor data on the interface. No response.

4 Status and update on I++ DME test suite

Tom is working on documenting the particular decisions NIST has had to make in the NIST test suite utilities for each relevant item in the I++ DME spec that can be interpreted in multiple ways (i.e., items that have multiple meanings). NIST believes that this will be even more helpful to the spec writers than just comments, since it will offer a concrete solution to each ambiguity.

5 Action items

- Implementers will send to Josef open dates on their calendars for two consecutive days during the weeks of 29th March and 19th April for the planned Stuttgart meeting
- Swen (and Michel??) will send to NIST a brief summary of options as to how client and server can communicate over the Internet and through firewalls
- NIST will study the problem of communicating over the Internet and through firewalls and will present a summary document of suggested methods and steps
- NIST will place the version 2.1 test suite on the web
- Josef will send out an agenda for the pair of meetings planned in Stuttgart
- 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
- NIST will send out a spreadsheet of preliminary interoperability testing metrics to the group
- Implementors will continue to send comments and use cases relating to the spec to NIST and the I++ spec writers
- NIST will work on and send out a new interoperability testing schedule to the group