



Sherry
Hampton/STDS/STAFF/
US/IEEE

10/02/2007 09:54 PM

To ebsloane@villanova.edu

cc Norma Davis/STDS/STAFF/US/IEEE, mschnell@cisco.com

bcc

Subject Approval of Project - P11073-30400

02 October 2007

Elliot Sloane
Villanova University
800 Lancaster Avenue
Villanova, PA 19085
ebsloane@villanova.edu

Re: P11073-30400 - Standard for Health informatics - Point-of-care medical device communication - Interface profile - Cabled Ethernet

Dear Elliot:

I am pleased to inform you that on 27 September 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/11073-30400.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

Rosters can be submitted in any format to the NesCom Administrator (nescom-admin@ieee.org). Please forward this list to the NesCom Administrator via e-mail at nescom-admin@ieee.org no later than 26 December 2007.

Or, for your convenience, you can manage your standards development roster in myProject. Instructions are as follows:

- Go to myProject - <https://development.standards.ieee.org/my-site>
- Login using your IEEE Web Account username and password.
- Once logged into myProject, go to "Manage Committees"
- Drill down to the project by clicking the (+) on the left to expand each level. The actual project will be highlighted in yellow
- Click "Manage Committees" for that project. A list of individuals enrolled in the Committee/Project will appear. On this screen you can assign whether a person is a Participant, a Non-Voting Member or a Voting Member of the project group. You may also view contact

information for that individual.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any questions, please contact the NesCom Administrator via e-mail at nescom-admin@ieee.org or via telephone at +1 732 562 3806.

Sincerely,

NesCom Admin
Standards Activities
Email: nescom-admin@ieee.org

PAR Request Date: 04 September 2007**PAR Approval Date:** 27 September 2007**PAR Signature Page on File:** Yes**Type of PAR:** Modification to Approved PAR**Status:** Modification to a Previously Approved PAR P11073-30400, 15 September 2006**Root Project:** New Project**1.1 Project No.:** **11073-30400****1.2 Type of Document:** Standard**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Standard for Health informatics - Point-of-care medical device communication - Interface profile - Cabled Ethernet

3.1 Working Group Name[Health Informatics - Point-of-care medical device - Interface profile - Cabled Ethernet](#)**Working Group Chair**[Schnell, Mark](#)

Phone: +1 919 392 2931

Email: mschnell@cisco.com

Working Group Vice Chair**3.2 Sponsor**[IEEE Engineering in Medicine and Biology Society 11073 Committee \(EMB/11073\)](#)**Sponsor Chair**[Sloane, Elliot](#)

Phone: 610-519-6432

Email: ebsloane@villanova.edu

Name of Standards Liaison Representative (if applicable)**3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** September 2007**4.3 Projected Completion Date for Submittal to RevCom:** August 2008**5.1 Approximate number of people expected to work on this project:** 25**5.2 Scope:** This document focuses on the application of the Ethernet family (IEEE 802.3) of protocols for use in medical device communication. The scope is limited to referencing the appropriate Ethernet family specifications and calling out any specific special needs or requirements of the 11073 environment, with a particular focus on easing interoperability and controlling costs.**Old Scope:** This document focuses on the application of the Ethernet family (IEEE 802.3) of protocols for use in medical device communication. The scope is limited to referencing the appropriate Ethernet family specifications and calling out any specific special needs or requirements of the 11073 environment, with a particular focus on easing interoperability and controlling costs.**5.3 Is the completion of this document contingent upon the completion of another document?** No

5.4 Purpose: This standard defines a comprehensive set of protocols consistent with the ISO/IEEE 11073 and Ethernet family of protocols for common use by medical devices in networked operating contexts. By providing this standard, the ISO/IEEE 11073 design goal to provide real-time plug-and-play interoperability will be extended to a broad set of network interfaces.

Old Purpose: This standard defines a comprehensive set of protocols consistent with the ISO/IEEE 11073 and Ethernet family of protocols for common use by medical devices in networked operating contexts. By providing this standard, the ISO/IEEE 11073 design goal to provide real-time plug-and-play interoperability will be extended to a broad set of network interfaces.

5.5 Need for the Project: Medical devices use networking technologies in a wide range of environments including: enterprises, departments, care units, and embedded point of care topologies. However, efficient integration is limited by insufficient standardization through the Application layer in time-critical data communication contexts.

5.6 Stakeholders for the Standard: Key stakeholders include medical device and system developers who are incorporating networking technologies, those who deploy and manage these systems in healthcare environments and those organizations that regulate this environment.

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes Presented Date: 2006-05-08

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No

If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? Yes

Technical Committee Name and Number: ISO TC215 WG7

Contact person:

Contact person Phone Number:

Contact person Email Address:

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

Item 2.1: Given that this a communications specification, it is felt that a more strict definition of the term 'transport' should be used. From the OSI 7 layer stack model, the term 'transport' refers to layer 4. Historically the larger 11073 team has used 'transport profile' to indicate layers 1-4. Given that the -30400 specification only deals with layers 1-2, the team feels that 'interface' would be a more appropriate term to use.

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain:

[Email This Letter](#)

15 September 2006

Elliot Sloane
Villanova University
800 Lancaster Avenue
Villanova, PA 19085
ebsloane@villanova.edu

Re: P11073-30400 - Health informatics - Point-of-care medical device communication - Transport profile - Cabled Ethernet

Dear Elliot:

I am pleased to inform you that on 15 September 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/11073-30400.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 14 December 2006.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
Phone +1 732 562 6003
FAX +1 732 875 0695
Email: s.hampton@ieee.org

CC: mschnell@cisco.com

PAR Request Date: 04 August 2006	
PAR Approval Date: 15 September 2006	
PAR Signature Page on File: Yes	
Type of PAR: Modification to Approved PAR	
Status: Modification to a Previously Approved PAR P11073-30400, 10 November 2005	
Root Project: New Project	
1.1 Project No.: P11073-30400	
1.2 Type of Document: Standard	
1.3 Life Cycle: Full-Use	
1.4 Is this document in ballot now? No	
2.1 Title Health informatics - Point-of-care medical device communication - Transport profile - Cabled Ethernet	Old Title Health informatics - Point-of-care medical device communication - Transport profile - Inter-LAN
2.1 Amendment/Corrigenda Title	
3.1 Working Group Name	Health Informatics - Point-of-care medical device - Transport profile - Cabled Ethernet
Working Group Chair	Schnell, Mark Phone: +1 919 392 2931 Email: mschnell@cisco.com
Working Group Vice Chair	
3.2 Sponsor	IEEE Engineering in Medicine and Biology Society 11073 Committee (EMB/11073)
Sponsor Chair	Sloane, Elliot Phone: 610-519-6432 Email: ebsloane@villanova.edu
Name of Standards Liaison Representative (if applicable)	
3.3 Joint Sponsor	
4.1 Type of Ballot: Individual	
4.2 Expected Date of Submission for Initial Sponsor Ballot: August 2007	
4.3 Projected Completion Date for Submittal to RevCom: August 2008	
5.1 Approximate number of people expected to work on this project: 25	
5.2 Scope: This document focuses on the application of the Ethernet family (IEEE 802.3) of protocols for use in medical device communication. The scope is limited to referencing the appropriate Ethernet family specifications and calling out any specific special needs or requirements of the 11073 environment, with a particular focus on easing interoperability and controlling costs.	Old Scope: This project focuses on the application of primarily Internet Protocol (IP) and Ethernet (IEEE 802.3) technologies for use in medical device communication. While the scope is primarily Transport-to-Physical Layer methods, significant upper-layer methods such as obtaining IP addresses, discovering servers/services, [near]real-time message delivery, and virtual network management will be included.
5.3 Is the completion of this document contingent upon the completion of another document? No	

5.4 Purpose: This standard defines a comprehensive set of protocols consistent with the ISO/IEEE 11073 and Ethernet family of protocols for common use by medical devices in networked operating contexts. By providing this standard, the ISO/IEEE 11073 design goal to provide real-time plug-and-play interoperability will be extended to a broad set of network interfaces.

Old Purpose: The purpose of this standard is to define a comprehensive set of protocols and services consistent with the IEEE 1073, IEEE 802, and Internet Protocol architectures for common use by medical devices in LAN and embedded LAN operating contexts, including bridging with related methods such as RF Wireless. By providing this standard, the design goal of ISO/IEEE 11073 standards to provide real-time plug-and-play interoperability shall be significantly enhanced when LAN technologies are being utilized.

5.5 Need for the Project: Medical devices use networking technologies in a wide range of environments including: enterprises, departments, care units, and embedded point of care topologies. However, efficient integration is limited by insufficient standardization through the Application layer in time-critical data communication contexts.

5.6 Stakeholders for the Standard: Key stakeholders include medical device and system developers who are incorporating networking technologies, those who deploy and manage these systems in healthcare environments and those organizations that regulate this environment.

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes Presented Date: 2006-05-08

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No

If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? Yes

Technical Committee Name and Number: ISO TC215 WG7

Contact person: [Todd H Cooper](#)

Contact person Phone Number: 858-435-0729

Contact person Email Address: t.cooper@ieee.org

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

The previous Inter-LAN standard included components that applied to numerous other transport standards. This standard is now focused on Ethernet profiling with the other common components migrated to a new PAR submission P11073-20401, which in the 11073 framework of standards may apply more generally to all LAN-based transport technologies.

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: