Approved Minutes of the P1451.3 Working Group Teleconference

Date: September 29, 1999
Time: 12:30 PM PDT

Agenda

1) Approve agenda & take attendance
3) Discussion on next face to face meeting
    Information
    Agenda
    Deliverables
4) Discussion of Digital Filter TEDS
5) Summary and discussion of next agenda

Summary

1) The agenda for the face to face meeting along with supporting documentation can be found in a directory named "face2 face" on the web site.
2) Digital Filter TEDS were discussed.
3) Powering other devices, such as headlights, from the 1451.3 transmission line was discussed.
4) There will be no tele-conference next week.

Discussion

Goals for the Face to face meeting:

1) Cover all agenda items
2) Fill out the draft standard entering all concepts into the document
3) Get agreement on all technical issues
4) Make action items for the subgroups
5) Schedule work for balloting by the first quarter of next year

Topics for the face to face meeting

1) Transfer functions for 1451.4 frequency analysis
    The IEEE P1451.4 draft will be on the http://www.ic.ornl.gov/p1451/p1451.4/Working/ directory by Thursday (9/30/99) and will not be password protected.
2) Tiers
    A rough draft of the capabilities of the four tiers system capability will be distributed via e-mail. This will be a working draft so some tier capabilities will most likely change before and during the meeting.
3) Synchronization
4) TEDS
5) UUID
6) Data Transfer
7) Physical Layer
    (see the April 29th draft of the standard in the 1451.3 working directory)
8) NCAP 1451.3 T-Block
9) Trade Show Demonstrations
10) An industry consortium for the development of 1451.3 Silicon
11) Extension of the standard to wireless in a possible 1451.5 standard

Discussion of Digital Filter TEDS

1) Reading filter coefficients from the TEDS for a standard digital FIR filter in the TBIM
2) Extensions to IIR Filters
3) Data type of the coefficients (floating point or integers)
4) Physical storage location of these coefficients
5) A recommended book:

    The Scientist and Engineer's Guide to Digital Signal Processing

by Stephen Smith ($60)
ISBN 0-9660176-3-3 (1997)
or download in pdf format ($0, 600+ pages) from:
http://www.dspguide.com

Dave Wilson and Dave Bennett of Boeing will be put on the 1451.3 distribution list.

Power
Powering other devices, such as headlights, from the 1451.3 transmission line was discussed.

Attendance:

Name	Company	6 2 99	7 7 99	7 14 99	7 21 99	8 25 99	9 22 99	8 25 99	9 22 99	9 29 99
Baekke, Jorgen	B & K	X	X	X	X	X	X	X	X	X
Buckner, Mark	Oak Ridge National Lab	X		X	X	X	X	X	X	X
Catlin, Wayne	Boeing	X	X		X		X		X	X
Dominique, Russell	Aeptec Microsystems									X
Eccles, Lee	Boeing	X	X	X	X	X	X	X	X	X
Evensen, Craig	Endevco	X	X		X	X	X	X	X	
Gardner, Wally	Halliburton Energy Services			X	X		X		X	
Gautz, John	EDC									
Gidge, Brett D.	Wilcoxon Research	X								
Hufnagel, Paul	Kistler Instruments			X		X	X	X	X	
Jones, Richard	Hymetrics			X						
Juelfs, Rodney	Boeing			X		X	X	X	X	X
Konz, Daniel	Boeing	X	X							X
Lee, Kang	NIST					X		X		X
Licht, Torben	B & K	X								
Malchodi, Larry	Boeing	X	X	X	X	X	X	X	X	X
Moore, Mike	ORNL	X	X	X		X	X	X	X	X
Read, Jim	Moore Industries	X	X	X	X	X	X	X	X	
Schiefer, Mark	The Modal Shop Inc.									
Shahabi, T. J.	Endevco	X	X		X		X		X	X
Smith, Steve	ORNL		X	X	X	X		X		X
Tracy, Bryan	Eaton Corp.	X	X	X	X	X	X	X	X	X
Yano, Satoshi	Omron									
Hammett, Rob	Draper Labs			X	X					
Brandt, Carsten	B&K									X
Webber, Dave	Bisteon									X
Moffit, Paul	Frequency Devices									X