IEEE 802.3 Call for Interest "DTE Power via MDI"
Montreal, PQ
July 7th 1999

ADMINISTRATIVE MATTERS

The meeting was called to order by David Law at 8:00 A.M. David provided a background presentation regarding the subject matter and the course of business for the meeting. David stressed the limited time available for the presentations and discussions due to the next meeting starting in the room at 10:00 A.M.

David Law asked for a volunteer to act as Secretary for the meeting, Michael McCormack volunteered and was selected.

PRESENTATIONS

Presentation by Nick Stapleton, general market need / general technical background.
No questions.

Presentation by Amir Lehr, power possibilities.
No questions.

Presentation by Steve Adams, market opportunities for IP telephony.
No questions.

Presentation by Arlan Anderson, IP telephony technical / market requirements.
No questions.

David Law announced the 802.3 sign in books and the sign in procedures. David Law announced the Call for Interest attendance list. Books and attendance list were distributed.

Presentation by Scott Burton, market acceptance and need for IP telephone power.
Question: What is "Phantom Power?" Answer: A method of superimposing power onto the same wires that provide data signals.

Presentation by Carlos Rios, Wireless LAN requirements / opportunity / proprietary solution currently in use.
Question: How much power is required for wireless LAN Access Points?
Answer: 1.5 Watts to "several watts."
Question: How is damage to existing devices prevented with the proprietary solution?
Answer: No method is currently provided in the equipment, attempt to identify problems by design.
Comment: Numerous protection checks / provisions are possible such as sensing loop characteristics prior to providing power to the cable.
Comment: Protection is a subject for a Study Group, not a Call for Interest meeting.

Presentation by Khy Vijah, areas of study regarding power and noise.

No Questions.
DISCUSSION

A discussion was led by David Law.

Steve Carlson of the ESTA asked to address the group, put forth his desire to see that DTE power became standardised. Stated that Ethernet is used for theatre lighting and control and has been for 5 years. Pitched that providing power over Ethernet would allow for future applications that are currently not possible in the areas of building automation, building lighting, energy monitoring and perhaps other areas. Asked that the IEEE proceed to forming a standard.

Geoff Thompson took the floor to provide comments. Geoff stated that the group needed to formulate a convincing argument to present to the 802.3 meeting on Thursday. Noted that a potential application would be the ability to provide power to keep equipment alive that could wake up and draw further power from a local source. Stated that the three groups would need to work with in the study group, client or DTE vendors, infrastructure vendors, and installation organisations. He stated his preference for would be for a PAR in November. Proposed that Steve Carlson lead the current Call for Interest presentation group.

Discussion was closed.

David Law put forth proposals for motions. The following polls were taken:

POLLS:
Number of individual prepared to contribute to establishing a project on this topic:
There was no discussion.
    Results: 33

Number of companies prepared to contribute to establishing a project on this topic:
There was no discussion.
    Results: 20

MOTION 1:
    Request that in response to the DTE Power via MDI Call for Interest, that 802.3 approve the creation of a DTE Power via MDI Study Group and authorize an interim meeting.

    Procedural (50%)
    M: Bill Quackenbush, S: Curtis Siller
    Y: 44   N: 0   A: 0   Passed

There was a question regarding who was eligible to vote, answer per Geoff Thompson was anyone present in the room who felt they were qualified to vote on such a topic. The vote was taken and the motion passed as recorded above.

MOTION 2:

To charter an Ad Hoc group to generate the presentation for 802.3 on Thursday and to nominate a person to lead this Ad Hoc and present to 802.3 Steve Carlson to Chair the Ad Hoc

Procedural (50%)
M: Arlan Anderson, S: Khaled Amer
Y: 38   N: 1   A: 8   Passed

There was discussion to propose an alternate chair, however no amendments were proposed. The vote was taken and the motion passed as recorded above.

There was discussion about the proper time and place of the first Study Group meeting, which resulted in the following motion:-

MOTION 3:

Move that a 2 day Interim meeting be held on 30th Sept, 1st Oct co-located with the other 802.3 interim meetings in York UK

M: Mike McCormack, Second: Steve Adams
Y: 27   N: 1   A: 20 Passed

Call for further motions resulted in none. David Law asked all presenter to provide their presentation for posting on the (hopefully) Study Group web page. David Law asked all parties interested in working on the presentation to the 802.3 meeting to collect after the meeting. A motion was made to close, a voice vote was taken which passed by acclamation.

NOTE:

During the meeting, a math error in the tabulation of votes, as written on the motion slide was detected by the secretary. While the minutes correctly recorded the results on Motion 1 as Y: 44, N: 0, A: 0 the chair in error wrote Y: 34, N: 0, A: 0 on the motion slide. This however did not result in any change to the outcome of the vote.

Respectfully submitted 8th July

Michael McCormack
Mike_S_McCormack@3Com.com

Attendance List

Name	Company	Phone	Email
Colin Mick	The Mick Group	+1 650 856 3666	ckm@mickgroup.com
Ken Naganuma	Toko America	+1 847 635 3246	knaganuma@tokoam.com
Mark Kerestes	AANetcom	+1 610 289 3100	kerestes@aanetcom.com
Brian Ramelson	Lucent Technologies	+1 978 318 6460	bramelson@lucent.com
Tom Debiec	Berk-Tek	+1 717 355 7649	thomas.w.debiec@berktek.com
Paul Congdon	Hewlett Packard	+1 916 785 5753	paul_congdon@hp.com
Benjamin Schultz	Univ. Of New Hampshire	+1 603 862 0239	schultz@iol.unh.edu
Hadriel Kaplan	Univ. Of New Hampshire	+1 603 862 3332	hsk@iol.unh.edu
Joris Wils	3Com	+1 508 323 2297	joris_wils@3com.com
Steve Adams	Intel	+1 503 264 4907	steve.adams@intel.com
Yaron Nachman	Lucent Technologies	+972 3 645 8373	ynachman@lucent.com
Brian Buckmeier	BelFuse	+1 619 273 0618	bbuckmeier@belfuse.com
Toshio Ooka	Sumitomo	+1 408 737 8517	ooka@sumitomo.com
Karlheinz Schwarz	SCC	+49 721 684844	Schwarz@SCC-online.de
Henry Hinrichs	Pulse Engineering	+1 858 674 8208	henryhinrichs@pulseeng.com
Larry Rubin	Level One	+1 512 407 2136	lrubin@level1.com
April Bergstrom	AANetcom	+1 610 289 3100	april@aanetcom.com
John Kincaid	Belden	+1 765 983 5332	jkbelden@globalsite.net
Hong Yu	Lancast	+1 603 880 1833	hongyu@lancast.com
Robert Campbell	Lucent Technologies	+1 732 957 2669	rrcampbell@lucent.com
John Bestel	Lucent Technologies	+1 610 712 7790	bestel@lucent.com
Curtis Siller	Lucent Technologies	+1 978 960 1313	csiller@lucent.com
Michael A Smith	Control Net	+1 408 341 1428	michael@controlnet.com
Shahab Shahbaz	MidCom	+1 909 736 8800	SShahbaz@Midcom-inc.com
Michel Soerensen	Intel		michel.soerensen@intel.com
Thomas Joergensen	Intel	+1 454 988 6595	thomas.joergensen@intel.com
Robert Busse	Transition Networks	+1 612 996 1546	robertb@transition.com
Khy Vijeh	National Semiconductor	+1 408 721 3722	khosrow.khy.vijeh@nsc.com
Steve Carlson	ESTA	+1 503 626 4206	scarlson@hspdesign.com
Khaled Amer	AmerNet	+1 949 552 1114	khaledamer@usa.net
Steve Dreyer	LSI Logic	+1 510 226 7400	sdreyer@seeq.com
Tom Mathey	NDS	+1 408 865 1763	tmathey@concentric.net
Bill Quackenbush	Cisco Systems	+1 408 526 4596	wlq@cisco.com
Geoff Thompson	Nortel	+1 408 495 1339	Geoff_Thompson@baynetworks.com
Ari Halpern	3Com	+972 9 970 7312	Ari_Halpern@3com.com
Amir Lehr	PowerDsine	+972 3 934 7663	amirl@powerdsine.com
Nick Stapleton	3Com	+44 1442 438092	Nick_Stapleton@3com.com
Rami Caspi	Siemens	+972 4 995 3200	rami@siemensdc.com
Carlos Rios	3Com	+1 408 326 2844	carlos_rios@3com.com
Arlan Anderson	Nortel Networks	+1 613 763 7868	arlan@nortelnetworks.com
Oscar E Agazzi	Broadcom	+1 949 450 8700	oea@broadcom.com
Fred Lucas	3Com	+1 410 884 4095	Fred_Lucas@3com.com
Scott Fritz	TDK Semiconductor	+1 530 478 8271	scott.fritz@tsc.tdk.com
Scott Burton	Mitel Corp	+1 613 592 2122	scott_burton@mitel.com
Rick Brooks	Nortel Networks	+1 408 495 1867	ribrooks@nortelnetworks.com
Mike Nootbeer	TDK Semiconductor	+1 530 478 8593	mike.nootbeer@tsc.tdk.com
Don Pannell	I-Cube	+1 408 341 1888	Donp@icube.com
Ralph Andersson	TDK Semiconductor	+1 530 478 8400	ralph.andersson@tsc.tdk.com
Robert A J Pieters	TDK Semiconductor	+1 530 478 8262	robert.pieters@tsc.tdk.com
Willem Wery	Intel	+1 503 264 9873	willem.wery@intel.com
Juan Jover	Level One	+1 305 674 8880	jjover@level1.com
Mike McCormack	3Com	+1 978 749 0000	mike_s_mccormack@3com.com
Daun Langston	Fujitsu	+1 408 922 9134	daun@compuserve.com
David Law	3Com	+44 1442 438060	David_Law@3com.com