<u>Approved by General Counsel</u>

TR-50 Meeting Report Date(s): 07/02/2013 - 07/02/2013 Location: Virtual (conference call, web conference, etc.) Approved: 07/10/2013

Summary of Meeting TIA TR-50 M2M-Smart Devices Communications

DateTime: 2013-07-02 convene at 13:00 Eastern

GoToMeeting: https://www1.gotomeeting.com/join/962260448 Dial +1 (773) 945-1020; Meeting ID / Access Code: 962-260-448

Chair: Peter W Nurse

Vice-Chair: Jim Wert

Important notice of participation:

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of and agreement to be bound by all provisions of the TIA Engineering Manual and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by the head of TIA's Standards Program on a case-by-case basis.

peter.nurse@sigmadelta.com

jwert@ilstechnology.com

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1) Call to Order & Opening Remarks

The meeting was called to order at 13:05 Eastern on 2013-07-02.

2) Early Disclosure Policy [†]

The Chair reminded the meeting of TIA patent policy per the footnote contained in the meeting notice and agenda. The Chair asked if there was knowledge of patents that may be essential to the standards being considered in the Committee. None were recorded.

3) Attendee Roll-call and E-Sign-In

The Chair reminded members of the important notice of participation contained in the meeting notice and agenda. The Chair reminded members to sign-in using TIA Electronic sign-in and the meeting code 9614.

The Chair conducted a roll-call and noted the presence of seven of the nine Members on the quorum list. Subsequent to the roll-call, the remaining two members joined resulting in all nine members present, as follows:

Alcatel Lucent	Sigma Delta Communications
C.J Barber Consulting	Telxxis llC
ILS Technology	Via Telecomm
LG Electronics	Wirefreecomm

The Chair noted that a quorum had been established, with all eight members present.

4) Review and Adoption of Agenda	decision
TR50-2013-07-02-001R1	Chair

• Contributions were numbered as necessary and assigned to agendum per this summary.

• The agenda was adopted as presented.

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^TTIA's patent policy can be found in the TIA Engineering Manual (5th edition). Participants in the work of the TIA Formulating Group are urged to review this policy. Participants are encouraged to notify TIA of any patents of which they are aware that are related to the practice of a TIA publication early on in the development of the TIA document to reduce the possibility for delays in the development process and increase the likelihood that the draft TIA publication will be approved for publication. Patent searches are not required to comply with the TIA IPR policy. Moreover, the Engineering Manual describes the need for members' disclosure of patents that are essential to practice TIA publications and for members to provide an indication of their willingness to license any known patents.

5) TR50-	Review and Adoption of Previous 2013-07-02-002	Meeting Report(s)	decision Chair	
•		2012-04-30 was adopted as presented.	0	
6)	Incoming Correspondence		discussion	
a) S	peaking Opportunity			
	2013-07-02-003		Jeff Hannah	
•	Chair and Jeff.	rs to represent the work of TR-50 should	d coordinate with	
')	Old Business		discussion/decision	
a) D	iscussion regarding activities in oneM	12M		
•	Mihai provided a verbal report. This e organized on the Friday afternoon after	vent hosted by TTA in Seoul. Noted that or the meeting of oneM2M.	t an event was	
•	WG-1 Requirements: Good clarification on items and definitions in the Architecture Group. Good understanding of Common Services. A framework to discuss protocols gaining acceptance. Can anticipate further discussion regarding architecture as a result of further input documents.			
•	TR-50 has opportunity to add value by remaining network agnostic. The belief is that a network			
	agnostic approach would have better a	acceptance in the M2M market. There is lexible and tied to cellular implementation	concern that	
•		with intent to develop a document for sub	omission to next	
	Target completion for that document:	may be co-signed by a number of memb 2013-07-26.		
)				
3) •	Target completion for that document:		ers of TR-50.	
•	Target completion for that document: New Business		ers of TR-50. discussion	
•	Target completion for that document: New Business None identified		ers of TR-50. discussion	
•))	Target completion for that document: New Business None identified Outgoing Correspondence		ers of TR-50.	
• •	Target completion for that document: New Business None identified Outgoing Correspondence None identified.	2013-07-26.	ers of TR-50. discussion decision	
• 9) • 10) •	Target completion for that document: New Business None identified Outgoing Correspondence None identified. Other Business	2013-07-26. this time; none identified.	ers of TR-50. discussion decision discussion	
9) • 10) • 11)	Target completion for that document: New Business None identified Outgoing Correspondence None identified. Other Business The Chair solicited further business at	2013-07-26. this time; none identified.	ers of TR-50. discussion decision discussion	
• 9) • 10) • 11)	Target completion for that document: New Business None identified Outgoing Correspondence None identified. Other Business The Chair solicited further business at Meeting Schedule for 2014 and Ne urrent meeting schedule is as follows: 2013-07-26	2013-07-26. this time; none identified. ext Meeting GTM, 13:00 Eastern	ers of TR-50. discussion decision discussion	
• 9) • 10) • 11)	Target completion for that document: New Business None identified Outgoing Correspondence None identified. Other Business The Chair solicited further business at Meeting Schedule for 2014 and Ne urrent meeting schedule is as follows: 2013-07-26 2013-08-12	2013-07-26. this time; none identified. ext Meeting GTM, 13:00 Eastern GTM, 13:00 Eastern	ers of TR-50. discussion decision discussion	
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• 9) • 10) • 11)	Target completion for that document: New Business None identified Outgoing Correspondence None identified. Other Business The Chair solicited further business at Meeting Schedule for 2014 and Ne urrent meeting schedule is as follows: 2013-07-26 2013-08-12	2013-07-26. this time; none identified. ext Meeting GTM, 13:00 Eastern GTM, 13:00 Eastern	ers of TR-50. discussion decision discussion	
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Peter W. Nurse, Chair, TIA TR-50