ITS CABINET WORKING GROUP TELECONFERENCES
WEDNESDAY, 11/23/09 AND 11/24/09, 02:00-03:30 PM ET

ATTENDEES
• Ralph Boaz, Pillar Consulting *
• Scott Evans, EDI * (Tuesday only)
• Bob Rausch, TransCore *
• Peter Skweres, MnDOT *
• Jim Rose, Econolite *
• Sean Coughlin, Caltrans District 4
• Jim Waggoner, SFMTA *
• Bruce Eisenhart, ConSysTec
• Steve Alonge, Noblis
• James Kinnard, Adaptive Solutions
• Ron Johnson, Harris County, TX *
• David J. Wells, Caltrans *
• Mohamed Talas, NYCDOT *
• Siva Narla, ITE (Tuesday Only)
• Craig Gardener, Intelight ITS *
• Peter Ragsdale, Self * (Wednesday Only)
• Guillermo Ramos, NYSDOT (Wednesday Only)
• Joe Palsa, Clary Corp. (Wednesday Only)

VOTING MEMBERS AND RECENT ATTENDEES NOT PRESENT
• Reza Roozitalab, McCain *
• Dave Holstein, Ohio DOT *
• Chuck Morrison, Seattle DOT *
• Clyde Neel, Naztec *
• Kenneth Lee Montgomery, GADOT *
• Raul De Anda, LACDOT *
• Robert Welborn, City of Houston *
• Leah Fuss, Econolite
• Tim Fiebrich, Siemens *
• Dave Miller, Siemens
• Jean Johnson, NEMA

[* indicates a voting member of the Working Group.]
[Action items are assigned using capitalized last names in brackets.]

GENERAL
• Introductions.
• Meeting Conduct Guidance.
• Agenda Review.

GENERAL DISCUSSION
• Discussed Section 5.1 MTBF at length.
• Discussed that equipment to be certified as of date of manufacture.
• A quality item that should be applied to the document is to reference other standards that have pertinent expertise when it exists.
• James reiterated his request for additional input on the general requirements section. [WG]
SPECIFIC ACTION ITEMS
- Need to distribute comments that were not sent to the ATC Distribution List. [BOAZ]
- Investigate on the source of user need 4.3.9.11 Limited Enclosure Access. Need to determine the source of the user need and consider removing the need. Once the source is found the discussion will be raised with the ITS Cab WG. [BOAZ/KINNARD]
- At this stage, all additions and deletions of user needs are to be tracked in a spreadsheet or database. [BOAZ/KINNARD/EISENHART]
- Many terms need to be defined, tightened up and testable (Ex. “commonly available”). [KINNARD]
- User need 5.1.1.12 No Specific Location needs to be more specific. [KINNARD]
- User need 5.1.1.13 Continuous Operation make “operation” to “unattended operation.” [KINNARD]
- User need 5.1.1.14 MTBF needs to be defined for the user to avoid ambiguities. [ROSE/KINNARD]
- User need 5.1.1.18 through 5.1.1.20 related to Electronic Emissions and Discharge. Jim Rose to provide some example tests. [ROSE] [COMPLETED]
- User need 5.1.1.18 through 5.1.1.20 related to Electronic Emissions and Discharge. Need something reasonable drafted. [GARDNER/KINNARD]
- Requirement 5.1.2 Environmental and following. Need to look at Section 9 of the ATC Standard for the Environmental testing guidance for a proper reference to the NEMA standards. It is suggested that Bruce Schopp be called also. [KINNARD/RAUSCH]
- Requirement 5.1.2 Environmental and following. Need to specify the acceptable test/fail criteria for the cabinet system when it is under environmental testing. [KINNARD]
- General discussion that we should reference other standards whenever appropriate vs. incorporating the text from the other standard. Standard should be specific to version/date and appropriate sections. [KINNARD]
- Requirement 5.1.4.1 NEC Compliance. Discussed that this was an in depth issue that needs to have an examination of what is applicable for NEC and UL. Jim Rose felt that it could use some focused work by a consultant. Funding to be sought. [BOAZ]
- Requirement 5.2.8 Cold Rolled Steel Plating. Details need to be more specific. [KINNARD]
- Requirement 5.2.12 Cabinet Thickness. Housing should be “shell.” There are other places that this needs to be done. [KINNARD]
- Sean Coughlin reiterated his past concern that assembly, module, system, subsystem, unit, etc. needs to be used in consistent and defined fashions. [KINNARD]
- Intersection Control Applications. Sizing and configuration requirements need to be identified. [JOHNSON/SKWERES]
- Ramp Metering Applications. Sizing and configuration requirements need to be identified. [COUGHLIN/WELLS]
- Data Collection Applications. Sizing and configuration requirements need to be identified. [COUGHLIN/WELLS]

PREVIOUS ACTION ITEMS STILL OPEN
- UL508 team provisions to come up with recommendation by 8/17. [UL508 SUBGROUP]
- Ralph to forward Jim Rose’s email. [BOAZ] [COMPLETED]
- Ron Johnson to prepare draft operational scenario(s) for discussion purposes. [JOHNSON]
- English units for measurement? It was noted that Caltrans went from inches to metric and then back again. Jean Johnson to investigate whether it is required from USDOT. [JJOHNSON]

NEXT MEETINGS
- TBD