APPLICATION PROGRAMMING INTERFACE (API) WORKING GROUP (WG) TELECONFERENCE
THURSDAY, 02/12/14, 01:00-02:30 PM ET

<table>
<thead>
<tr>
<th>ATTENDEES</th>
<th>VOTING MEMBERS AND RECENT ATTENDEES NOT PRESENT</th>
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<tbody>
<tr>
<td>Ralph Boaz, Pillar Consulting</td>
<td>Peter Ragsdale, Consultant *</td>
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<td>George Chen, LADOT *</td>
<td>John Thai, City of Anaheim *</td>
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<td>Wolfgang Buckel, Siemens</td>
<td>Neal Smith, NYSDOT *</td>
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<td>Robert Helliar, Econolite *</td>
<td>Mike Gallagher, Intelight</td>
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<td>Schopp, Bruce, NEMA</td>
<td>Craig Gardner, Intelight</td>
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<td>Andy Zhang, Wapiti Microsystems *</td>
<td>Clyde Neel, Naztec</td>
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<td>Mark Simpson, Peek</td>
<td>Joe Palsa, Clary</td>
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<td>Peter Skweres, MnDOT *</td>
<td>Jarrid Gross, E-VIEWS Safety Systems *</td>
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<td>Kyle Irvin, Telvent *</td>
<td>Gary Duncan, Econolite</td>
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<td>Brian Collum, Siemens</td>
<td>Robert Rausch, TransCore</td>
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<td>James Kinnard, Adaptive Solutions</td>
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<td>Ken McCloud, Naztec</td>
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<td>Grant Gardner, Intelight</td>
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<td>Herasmo Iniguez, Caltrans *</td>
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<td>Douglas Tarico, McCain *</td>
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<td>Siva Narla, ITE</td>
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VOTING SUMMARY

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<tr>
<th>WG VOTING MEMBER</th>
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<th>#4</th>
<th>#5</th>
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TOTALS (YES/NO/ABSTAIN)

[* indicates a voting member of the Working Group.]
[Action items are assigned using the form "[ACTION: LASTNAME]".]
[Motions voted on formally by the working group are identified by "MOTION #".]

GENERAL
- George Chen chaired the meeting.
- Introductions led by Ralph Boaz. Present were 7 of 13 voting members with 16 participants overall.
- SDO meeting conduct guidance provided by Siva Narla.

INTRODUCTORY COMMENTS – George Chen
- API Reference Implementation Project is the result of work started in 1998. Exciting opportunity.
- Development of the software representative of the API Standard. Software available for use by entire industry.
Siva Narla stated that this project is different than our typical standards developments. It is a software development project. In addition to the API software itself, we will be providing a testing and validation capability. The API WG is still critical to the success serving as technical advisors, quality assurance, and stakeholder representatives.

API WORKING GROUP VOTING MEMBERSHIP – George Chen

- Current Voting Members have 5 from the public sector and 8 from the private sector.
  1. Andy Zhang (az@wapitimicrosystems.com)
  2. Bob Rausch (robert.rausch@transcore.com)
  3. Douglas Tarico (dtarico@mccain-inc.com)
  4. George Chen (george.chen@lacity.org)
  5. Herasmo Iniguez (Herasmo_Iniguez@dot.ca.gov)
  6. Jarrid Gross (jgross@eviews-engr.com)
  7. John Thai (jthai@anaheim.net)
  8. Kyle Irvin (kyle.irvin@telvent.abengoa.com)
  9. Neal Smith (NSMITH@dot.state.ny.us)
 10. Peter Ragsdale (pragsdale@ymail.com)
 11. Peter Skweres (peter.skweres@dot.state.mn.us)
 12. Ralph W. Boaz (rboaz@pillarinc.com)
 13. Robert Helliar (rhelliar@econolite.com)

Siva stated that we want as many as possible to participate but had to limit the WG voting membership of the WG due to project constraints for now. Need to keep the ratio of 5/8 voting members or better.

George asked the group to be looking for good public sector candidates.

Project Overview – Ralph Boaz

- Reviewed diagram of project roles distributed prior to the meeting.
  - APIRI Project Team includes:
    - Project Management Team consists of Siva Narla (Project Coordinator/Administrator w/Ed Stollof as Deputy), Ralph Boaz (Project Manager), and Douglas Tarico and George Chen (API WG Chairs).
    - Contractor Team consisting of Michelle Birdsall (ITE), Ralph Boaz (Pillar Consulting), Douglas Crawford (Intellight), Michael Gallagher (Intellight), Craig Gardner (Intellight), Grant Gardner (Intellight) and James Kinnard (Adaptive Solutions).
  - API Working Group
    - Supporting roles that are not formerly a part of the project team include:
      - Standards Development Organization liaisons Bill Brownlow (and others) for AASHTO, and Bruce Schopp and Jean Johnson for NEMA.
      - ATC Joint Committee Chair, Dave Miller.

- Reviewed project schedule distributed prior to meeting.
  - Project Task 1 Project Management has been completed. Have started work on Project Task 2.1 Develop APIRI Software Design Description (SDD) and Project Task 5.1 Develop Concept Paper.
  - Documents will be produced and assessed from the perspective of being suitable for purpose for the API WG.
  - Key part of the project is manufacturer testing which will take place at Project Task 4.1.1 just after the delivery of the draft software in Project Task 2.2.4.
  - There is an upcoming face-to-face meeting in Miami, March 11-12. A formal walkthrough of the Draft 1 APIRI SDDs and a review of the Draft Concept Paper.
  - There is a user workshop at the end of the project (face-to-face meeting). There may or may not be another face-to-face meeting in the middle of the project. All other meeting points in the project schedule will be teleconferences.
  - Project will move as fast as possible. It is expected that the project will finish earlier than shown in the schedule.
– Bruce Schopp asked if a project centric email distribution might be established (e.g. oriented towards the APIRI project not the entire ATC List Serv). Siva stated not at this point. This subject to be discussed further with the SDOs.

• Discussed that there will be issue tracking at a project level and with the development of each project document and deliverable. Everyone is encouraged to bring up issues. The list will be reviewed every week. Issues should be sent to Ralph Boaz.

• A webpage for the project is being created as part of the www.ite.org website.
  – Project materials will be tracked and distributed via the website. [ACTION: BOAZ]
  – Project Management Plan (PMP) and Systems Engineering Management Plan (SEMP) to be distributed with some sections redacted. [ACTION: BOAZ]

• Preparations for Meeting in Miami, March 11-12.
  – 9 confirmed that they are attending. 3 others said they were still in the approval process within their organizations.
  – Looking to get internet access to the meeting room so that a web meeting can be held for those not attending in person. [ACTION: NARLA]

NEXT MEETINGS/TELECONFERENCES
• Meeting in Miami March 11-12 for a formal walkthrough of the software design documents (SDDs) of the APIRI software and a review of the Open Source Software (OSS) Concept paper.