SunGuide^{SM} Status and Demonstration Meeting Minutes

Date: Tuesday July 19, 2005
Time: 1:00 pm to 5:00 pm EST
Location: Tradewinds Sandpiper Hotel, St. Pete Beach, FL
CDRL 1-8.2.21

Attendees:

Liang Hsia, FDOT	Steve Dellenback, SwRI
David Chang, PBS&J	Robert Heller, SwRI
John Bonds, PBS&J	Bret Sadler, SwRI
Stephanie Kolb, Transcore	Steve Novosad, SwRI
Dong Chen, D4	Ian Cavdozo, Temple
Terry Hensely, D7	Frank Deasy, PBF
Gene Glotzbach, FDOT	Nick Adams, FDOT CO
Rick Morrow, D5	Jim Mosser, PBF
Tony Mendoza, D4	Bijon Behzadi, D7
Felix Delgado, D4	Ron Meyer, PBSJ
Ling Yu, Gord & Assoc	Chad Williams, D3
Derrick Odom, SmartRoute Systems	Tim Garrett, HNTB
Penny Kamish, SmartRoute Systems	Bill Wilshire, D7
Guy Francese, C4	Elizabeth McCrary, D7
Rory Santana, D6	James Bitting, GCA
Javier Rodriguez, D6	Bronoris Pye, D7
Mike Akridge, FDOT CO	Bob Murphy, PBF
Elizabeth Birriel, FDOT CO	John Easterling, FTE
Jason Jon Michael, HNTB	Ranzy Whiticker, FTE
Paul Clark, FDOT CO	Peter Vega, D2
Paul Watson, PBSJ	Chester Changler, FR-Aleman
Tahira Faquir, PBSJ	Eirka Ridlehoover, Transcore
Tusnar Patel, D5	Chirs Birosak, D1
Larry Rivera, D5	L.K. Nandam, D1
Robert L. Gottschalk, DKS Assoc	K. Munawar, D2
Earl Salley, Lee County	Charles Wallace, PBF

Subject: **Project Status Meeting for SunGuide^{SM}**

Note: Agenda and slides for each agenda item are available from the project website at:

http://sunguide.datasys.swri.edu

Item #1 – SunGuideSM Software Deployment Lessons Learned

- Steve Corbin presented slides
- Discussed what to expect (from an Operations perspective) during a deployment
- Installation included redundancy for redundant Oracle server
- Additional District 4 requirements
- Clustering was out of scope, but needed for redundancy
- SunGuide posted to 10 signs in less time than CCS would post one sign
- Barco control works very well
- Backup plan to SunGuide failure is use of legacy systems
- Training lesson learned: not all managers need administrator training, operator is more than enough, software is very easy to use; programmer training in the future
- The District is performing an incremental deployment to make sure operators know how to use the system

Item #2 – Project Status Report

- Steve Dellenback presented slides.
- SunGuide currently exceeds 1.3 million lines of code

Item #3 – Video sharing, the ITS WAN for C2C communications and the South Florida Deployment

- Jim Mosser presented slides.
- The presentation posed the following questions:
- There is renewed interest by SEOC in video. Now that this is becoming a reality, the SEOC is taking interest. They do not want control of our cameras but they may want to select what they want to view.
- The SunGuide scope does not support remote video switching through C2C; it would take a modification to implement this.
- Software decoding is outside the SunGuide application set.
- Limitation of video streams is based on shared paths, each link has a capacity, but with partial mesh implementation there are multiple paths that allow parallel paths. Where do we build control / limitations / etc.?
- Original design of the microwave network was ATM with built in priority. Can that be used? But video packets will all have same priority? Can set video priority over data but not video over video.
- FDOT needs to have a continuing dialog (sessions) about the issues raised during this session.

Item #4 – Incident Management Between Districts

- Steve Dellenback and John Bonds presented slides.
- Slide 47 (IM Concept Feedback) "Including other centers 'assets' in response plans" means notifying the other district that they need to sign for the event.

- Sending of a response plan to the adjacent district? If I-95 Southbound is closed at Golden Glades, D6 should send a response plan to D4 for approval (not individual signs)
- Generate location incident ID indicates that it is related to another districts incident. So that we Central office post processes it sees that it is a single incident and merges the two together
- How do you handle queue messaging instead of incident messaging?
- If Sarasota initiated an incident, and then they went off shift can they turn the incident over to Ft Myers? Is the Sarasota TMC (satellite) part of the same SunGuide deployment? or is it a collection of workstations in Sarasota and not a set of servers...
- Would D6 be able to give temporary control of the last sign coming out of D6 to D4 for management of an incident? SunGuide cannot give temporary control of a single DMS to operators in another district. SunGuide provides ability to put messages on signs or not put messages on signs
- There is a flip-flopping on the cross District usage of signs. While at one time the districts did not want to allow cross District DMS usage, they now are discussing the automatic messaging on signs across Districts.
- Is there an accountability issue here? Who then becomes responsible for unapproved messages on signs in adjacent districts?
- Between the Turnpike and District 7 (Turnpike roadway stops and D7 roadway starts), how do they effectively message across the boundary that is arbitrary on the roadway.
- If the GUI is waiting for an operator response in an adjacent district to cross district message do they finally pick up the phone and ask the operators in the Turnpike for approval of the sign?
- Do we want automation or do we want manual intervention? Turn off manual approval and allow automation?
- Must maintain the ability for an operator to manually create messages such as "POLLS REMAIN OPEN UNTIL 9 PM"
- John Bonds will revise the IM ConOps paper with the ideas presented and the CO will circulate.

Item #5 – Status Posting Travel Times to DMS Devices

- Steve Dellenback presented slides (slides compared TxDOT TransGuide solution against the Georgia Navigator solution).
- Lots of discussion about the pros and cons of each solution.
- Stephanie Kolb remarked that GDOT is discussing abandoning the table lookup style of travel time determination.

Item #6 – Performance Measures

- Steve Dellenback presented slides.
- The SunGuide development team needs sample reports.
- A separate session at the ITS Mid-year WG meeting will discuss this subject.

Item #7 – HAR – User Recording of WAV files

- Steve Dellenback presented slides.
- Audience member asked why not use MP3 file formats? SwRI response: because MP3 is a proprietary format and WAV is not and the HAR 2000 does not support MP3 files. HAR 2000 still uses the non-proprietary WAV format.

Item #8 – Road Ranger Subsystem Requirements

- Paul Clark is new to the Road Ranger program
- Paul Clark provided a verbal overview of what he plans to do next with the program

Item #9 – Support and Maintenance

- Steve Dellenback presented slides.
- Maintenance/Support options discussed

ACTION ITEMS

Numbering of Action Items is based on all action items identified on the SunGuide project.

Number	Responsible	Text	Due Date
84	FDOT CO	District operations personnel meeting to talk through C2C cross district IM messaging	08/01/05
85	FDOT CO	Revised IM C2C ConOps paper and circulate for comment	08/21/05