



SunGuideSM Status and Demonstration Meeting Minutes



Date: Friday July 8, 2005

Time: 8:30 am to 12:00 noon EST

Location: District 4 TMC Conference Room, Fort Lauderdale
CDRL 1-8.2.20

Attendees:

Liang Hsia, FDOT	Steve Dellenback, SwRI
David Chang, PBS&J	Robert Heller, SwRI
Walt Townsend, Siemens ITS (phone)	Bret Sadler, SwRI
John Bonds, PBS&J (phone)	Ivan del Campo, MDX
Craig Vahle, D4	Kendra Blackford, Turnpike
Steve Corbin, D4	Arturo Espinosa, D6

Subject: Project Status Meeting for SunGuideSM

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

<http://sunguide.datasys.swri.edu>

Item #1 – Licenses Updates

- Liang Hsia presented License Update slides
- Check sublicense to make sure that D4 consultant can work with the source code.
- WsDOT has been non-responsive to SwRI legal phone calls. Morgan Blaugh has been conciliatory but there has been no progress. Liang is going to make a phone call to Gummada Murthy, Director, WsDOT Maintenance & Operations for help..
- MDX contract procurement manager (legal) is working on JPA, Coordination between FDOT and MDX Office of General Counsel was recommended
- D4 and MDX have emphasized to Hsia the importance of the 24/7 support agreement. There is money to cover, but would like district participation.

Item #2 – TMC and Software Deployment Schedule Updates

- District 4 update:
 - DMS project is scheduled to be completed early 2006. Signs not IP based until first quarter 2006 (best guess), signs are last part of the project. Adding cameras interrupts the fiber network, so will not convert signs until that is complete. DMS probably use the serial support instead of just IP.
 - Video wall will be reconfigured in September 2005.
 - 45 CCTV will be available in first quarter 2006.

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- AD Keyboard Control Center will be installed and tested during the week of July 11, 2005.
- Issue with cross streets being resolved locally,
- SwRI submitted issue regarding DMS message abbreviations
- Steve Corbin will address SunGuide Software lessons learned at the St Petersburg meeting on July 19, 2005.
- Software Design and Maintenance Training is scheduled on August 16, 2005.
- District 6 update:
 - No update
 - Milestone Demonstration
 - Ramp Metering Demonstration
 - Release 2 FAT first or second week in September
- MDX update:
 - 836 project is about 2 months behind (Mastec)
 - There may be a separate (from D6) deployment into MDX, this may be pushed as far as November 2005.
 - MDX will not have a video wall until Feb 2006, there may be additional delay until the video wall exists (maybe not available until Mar 2006)
 - District 6 TMC will control the MDX devices until the MDX TMC is ready utilizing MDX operators
- District 7 update:
 - No update
- District 2:
 - No update
- District 5
 - No update
- Turnpike Enterprise:
 - No update
- District 1 update:
 - No update
- District 3
 - No update
- Lee County
 - No update
- C2C Schedule
 - C2C solution is based on Microwave Network (not public and not fiber)
 - PBF is proposing a hardware solution that requires a software modification.
 - Funding source for hardware procurement needs to be identified. Central office TGC project may pick up the hardware costs
 - Corbin questions the cost of a private video network as opposed to a software solution based on public infrastructure
 - Corbin comments that D4, D6, MDX, D5 and Turnpike all connected via Turnpike fiber up the middle of the state. D1 will have fiber across I-75 within two years and connect D1 and D7 to {D4, D5, D6, MDX}
 - 45 minute session at the ITS working group meeting

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Jim Mosser added the following three bullet comments on July 14, 2005

- C2C solution is based on the requirement to use the Microwave Network to reach the EOC, D2 & D3 as well as (not public and not fiber)
- PBF is proposing a hardware solution because the SunGuide software can not route video to workstation monitors without a hardware decoder. Any C2C video exchange requires a software modification, regardless of whether it is hardware or software based.
- C2C requirements will be discussed at the ITS Working Group meeting in St. Petersburg.

Item #3 – Project Status Report

- Steve Dellenback presented slides.
- Lab is open door for FDOT personnel to come use the software and explore the GUI. Arturo commented that travel is a problem and would prefer a local solution. The other solution is remote access.
- EE demo for the working group meeting (action item)
- Web server for the working group meeting (action item)
- Dellenback needs operator training prior to additional C2C demos (action item)
- Personnel staffing decision on or about 08/01/2005

Item #4 – Results of SunGuide Installation at D4

- Steve Dellenback presented slides.
- John Bonds asked Windows Server 2003 Enterprise Cluster and Oracle Fail Safe contract update in ECO 1.1 or ECO 2
- Patch 1.1.1 has been created and distributed to District 4 through Bret Sadler to fix some latent defects in Release 1.1 deployed software
 - Oracle reconnect for dropped connections
 - RTMS driver communications with field devices
 - Moxa configuration

Item #5 – Status of ECO 1.1

- David Chang presented slides
- Rene Randall waiting to clarify some funding issues with Gene Glotzbach

Item #6 – ECO #2 Discussion and Schedule

- Steve Dellenback presented slides.
- Craig Vahle asked if the system could have a simulation mode where an operator could be “trained” for SunGuide operation. There was a recommendation to run a separate system without drivers active.

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- Discussion of contingency plans for emergency operation of other district field devices. Possible solutions voiced include redundant hardware in alternate TMC, addition of devices to alternate TMC database, etc. There is an issue about topology of the fiber network.
- IM through C2C communications:
 - Corbin wants IM to generate messages across district boundaries?
 - COO says IM should not generate messages across district boundaries and each message requires operator approval to post the message
 - If D6 creates an event near to D4 and transfers the event to D4, can D4 use that event to create an effective response plan in D4?
 - Change notifications
 - Automatic closure
- Travel Time:
 - FDOT favors the GDOT sign formats
 - SwRI will examine sign formats and travel time computation from GDOT Navigator, TransGuide and provide some feedback at CMB.
- Support and Maintenance:
 - Liang Hsia provides pitch to those present for support funds from district.
 - Suggestion to table this to a private meeting perhaps at the FDOT only meeting at the ITS working group meeting
- Enhancements requested during R1.1 FAT:
 - No discussion
- Road Ranger Subsystem:
 - Through Statewide ITS Architecture stakeholder meetings this was identified. Should requirements be developed to support this? Should the D4 and D6 solutions be integrated with SunGuide and stamped SunGuide and made available to all districts.
 - This should be based on performance measures out of the central office (Lap or Mike)
- Incident Management Through Wireless Device:
 - Gather ideas and requirements and defer to future meeting
- Performance Measures: Following measures were proposed by Performance Measures Program Team.
 - Incident Detection Time
 - Incident Verification Time
 - Incident Response Time
 - Incident Clearance Time
 - Traffic Queue Clearance Time
- Traffic Signal:
 - Deferred to later
 - Possibly push this through Chung Tran
- Tag Readers:
 - Waiting for OOCEA
 - MDX needs this application to calculate travel time.
- RWIS

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- Verify with District 5 iFlorida about design.
- HAR- wave files:
 - Operator creation of WAV file based on operator privileges
 - Spanish HAR requirements?
 - Translation accuracy
 - Pronunciation accuracy
 - Broadcast quality
 - MDX, D6, D7 Deployment needs?
- D4 Deployment issues:
 - Operator ability to restrict operators from free handing a DMS, HAR, MAS, IM message was approved for implementation by Liang Hsia
 - IM single phase message was approved for implementation by Liang Hsia

Item #7 – Update Plans for District 6 Milestone Demonstration

- John Bonds presented slides.
- CCTV are all NTCIP; DMS are all NTCIP; EIS RTMS; no ramp meter; no RWIS;
- Release 1.1 software during the second week of August

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ACTION ITEMS

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

Number	Responsible	Text	Due Date
73	SwRI	EE demo at working group meeting	2005.07.26
74	SwRI	Web server demo at working group meeting	2005.07.26
75	SwRI	Dellenback to prepare slides to describe scenarios and possible solutions for TMC emergency operations	2005.07.26
76	SwRI	Dellenback to prepare slides to describe scenarios and possible solutions for TMC emergency operations	2005.07.26
77	SwRI	Go through Navigator and look at travel time computation and sign formats	2005.07.26
78	MDX	MDX provides updated schedule - Ivan del Campo	2005.07.15
79	MDX	MDX provides JPA status - Ivan del Campo	2005.07.15
80	FDOT District 6	D6 provides Ramp Metering testing schedule	2005.07.15
81	FDOT CO	Draft a letter to WSDOT (Gummada Murthy)	Completed 2005.07.12
82	FDOT CO	Distribute the South Florida Pilot Deployment ITS WAN and Video Sharing to committee member for comments - Liang Hsia or Nick Adams	2005.07.15
83	FDOT CO	CO re-distribute the Performance Measures 5 categories which elaborated by SwRI	2005.07.15