



# SunGuide<sup>SM</sup> Status and Demonstration Meeting Minutes



**Date:** Wednesday August 17, 2005

**Time:** 8:30 am to 11:45 am EST

**Location:** District 4 TMC Conference Room, Fort Lauderdale  
CDRL 1-8.2.22

## Attendees:

Liang Hsia, FDOT	Steve Dellenback, SwRI
David Chang, PBS&J	Robert Heller, SwRI (phone)
John Bonds, PBS&J	Bret Sadler, SwRI
Walt Townsend, Siemens ITS	Jim Mosser, PBF (phone)
Craig Vahle, FDOT	Paul Clark, FDOT
Jesus Martinez, FDOT	Pete Vega, FDOT
Kendra Blackford, Turnpike	Elizabeth McCrary, FDOT
Ken Courage, University of Florida	James Bitting, GCA/FDOT
Jong Won Shim, University of Florida	Mohammed Hedi, FIU
David Ashton, FDOT	R. Warden, FDOT
Derrick Odom, FDOT/SmartRoute	John Easterling, Turnpike
Al Clay, FDOT	E. Morhas, FDOT
Bo Quan, HNTB	Bill Luke, PBF (phone)

**Subject:** Project Status Meeting for SunGuide<sup>SM</sup>

**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
- SwRI expressed that the latest communication from WSDOT had suggested different terms that have been previously discussed (they are now discussing adding a bond)
- FDOT will continue to work with WSDOT to try and make this as cost effective as possible
- SwRI noted that all future SunGuide deployments will use most recent Dynamap Data
- It was noted that the Central Office may cover all of the first year support costs (as opposed to getting funding from the Districts)

## Item #2 – TMC and Software Deployment Schedule Updates

- District 4 update:

**SunGuide<sup>SM</sup> Project Status Meeting**  
**August 17, 2005: 8:30 a.m. – 11:45 a.m.**

- Slide is accurate
- Patches 1, 2, 3 (all enhancements) have been received and D4 is in the process of installing them
- District 6 update:
  - Slide is accurate
- MDX update:
  - No update (noted that control center date has been pushed back)
- District 7 update:
  - Slide is accurate
- District 2:
  - Slide is accurate
- District 5
  - No update
- Turnpike Enterprise:
  - Slide is accurate
  - Currently adding a detection module (this has pushed the C2C module back in their schedule)
- District 1 update:
  - No update
- District 3
  - No update
- Lee County
  - No update
- C2C Schedule
  - Slide is accurate

**Item #3 – Project Status Report**

- Steve Dellenback presented slides.

**Item #4 – Software Demonstration**

- Steve Dellenback performed demonstration (included the EE web server and the SunGuide operator software)
- It was brought up that hosting websites centrally and possibly off-site may be advantageous for reasons of burst traffic and disaster availability (this would allow FDOT to “size” their connection for a “disaster” but would only need to pay for a large connection at one location. A reminder was made that the “smallest” connection has is Tallahassee so if web sites were centralized the statewide bandwidth between Districts needs to be evaluated.

**Item #5 – Status of ECO 2.0**

- Liang Hsia presented the slides

**SunGuide<sup>SM</sup> Project Status Meeting**  
**August 17, 2005: 8:30 a.m. – 11:45 a.m.**

**Item #6 – Discussion of IM C2C Concept**

- John Bonds presented slides.
- In response to a question SwRI clarified that DMS information from remote centers comes through C2C and is not stored in the local database of each TMC.
- FDOT asked ‘where’ password/username are defined. It was noted that C2C authenticates to the local TMC’s set of users.
- FDOT asked what if a remote District wants to ALSO create an incident – it was clarified that the ConOps presented does not prohibit a District from entering an incident – the ConOps was addressing a scenario where a District needed several devices from an adjacent District to effectively manage an incident.
- TMC representatives did not disagree with this concept – FDOT CO/SwRI will proceed with developing SunGuide requirements.

**Item #7 – Emergency Evacuation Change Request**

- Steve Dellenback presented slides.
- Jesus Martinez expressed concern over the manual entry of data associated with SunGuide EE.
- Jesus wanted assurance that links to this information will be configurable (SwRI assured him it was).
- No disagreement with any of the proposed EE requirement changes.
- SwRI to work with the Central Office to update the SunGuide requirements.

**District 2 Deployment Status**

- Steve Dellenback presented slides.
- Pete noted that IDI will be providing legacy device support, and that everything is currently going according to plan.
- Pete Vega chose to use the middle of the links for travel time calculation (this is for the SunGuide graphical representation)
- Liang requested that SwRI spell out Inventory Management rather than using IMS, which is confusing with Incident Management System.

**Item #8 – Update Milestone Demonstration Plans**

- John Bonds presented slides.
- Bret Sadler of SwRI will pre-install SG software and database at D6 prior to testing. Will coordinate with D6 IT staff.
- Clarified that the official demo will be on Wed., and Tues. will be a dry run.
- Jesus asked John to coordinate acceptable messages and available devices with Al Clay.
- 8/29-8/31 were accepted as the dates for the milestone demonstration.
- MDX’s center will be delayed until at least March.
- John Bonds asked about adding Ramp Metering testing, and adding in the Turnpike to the C2C portion of the test. This will be considered.

**SunGuide<sup>SM</sup> Project Status Meeting**  
**August 17, 2005: 8:30 a.m. – 11:45 a.m.**

- John Bonds suggested March 2006 as an approximate timeframe. Dependant on 2.x release – D6 concurred.
- Jim Mosser noted that D4->D6 connectivity already exists, but wouldn't test ALL C2C hardware.
- Jim Mosser noted that the slide may be misleading. IP connectivity is all that will ever be provided by C2C. It was clarified that this meant via the internet at large, and not direct, dedicated connection links (John Bonds will make sure this fixed for any future presentations).

**Item #9 – Performance Measures Currently in SunGuide**

- Steve Dellenback presented slides.
- Paul Clark will try to provide data which he thinks will be needed.
- Jesus Martinez asked Liang Hsia to coordinate with Elizabeth Birriel, et. al. who are involved in the performance measure push for what may be needed.
- It was noted that some information, such as FHP arrival, is needed, but is not typically in the DOT's 'realm'.
- Pete vega agreed that they should get guidance from the Central Office performance measure team.
- Jesus Martinez noted that 'outcome measures' are what will be the most important.

**Item #10 – Next Four Month Plan**

- Steve Dellenback presented slides.
- John Bonds will coordinate the IV&V with Craig Vahle from D4.
- SwRI suggested that Ramp Metering training should not be done yet – D6 concurred.
- Jesus Martinez asked if FAT would still include Ramp Metering, and SwRI confirmed this.

**Item #11 – Open Discussion**

- C2C slides presented by Jim Mosser:
  - It was decided that the ability to switch other centers video to a Barco Wall should be added to SunGuide.
  - SwRI noted that the current architecture doesn't allow for video switching control over C2C. There is an additional 'layer' of switching between centers that is not currently in existence. SwRI needs to understand the hardware environment before software solution is defined.
  - It was noted that Video Wall and Video Switching are separate issues. Video Wall is significantly more simple than Video Switching.
  - SwRI noted that there are hardware limitations with MPEG-2/4 on the BARCO (an Argus card may only decode one type of video concurrently).
  - Jim Mosser asked if the Districts were ok with handling Video Switching outside of SunGuide - Districts concurred.
  - D2 finds 6 video feeds over C2C to be acceptable.

**SunGuide<sup>SM</sup> Project Status Meeting**  
**August 17, 2005: 8:30 a.m. – 11:45 a.m.**

- Jim will proceed with a concept WITHOUT transcoding, and will develop requirements for SunGuide.
- Paul Clark has developed core Road Ranger data. Paul wants to make sure any SunGuide Road Ranger dispatch component takes into consideration D4 and D6 existing systems.
- Liang Hsia again requested the districts to provide any reports they would like to be able to be generated from SunGuide.
- Pete Vega asked how he should direct inquiries from vendors for developing SunGuide systems. Hardware vendors are asking districts about getting SunGuide support for their devices. It was decided that the vendors should first contact SwRI who will then communicate to the Central Office.
- Jesus Martinez wants better control over blocking out feeds temporarily from leaving the TMC in a quick and easy fashion. He suggested that the streams be blocked when the media try's to take control of the cameras. Pete agreed that media use of CCTV can be problematic and needs to be controllable. This will be a future discussion topic.
- Pete Vega is concerned about how Chameleon will affect his ability to use C2C.

## **ACTION ITEMS**

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

<b>Number</b>	<b>Responsible</b>	<b>Text</b>	<b>Due Date</b>
86	SwRI	Shade integration bar on future “graphical” status slides	9/15/05
87	SwRI / FDOT CO	Develop requirements for IM C2C ConOps	8/24/05
88	SwRI / FDOT CO	Develop a requirement to add the capability to switch other center’s video to the local Barco wall	8/24/05