



# SunGuide Status Meeting Minutes

Thursday, April 29, 2004: 8:30 to 12:00  
Southwest Research Institute, San Antonio, Tx  
CDRL 1-8.2.5



## Attendees:

Liang Hsia, FDOT	Steve Dellenback, SwRI
David Chang, PBS&J	Steve Novosad, SwRI
Gregg Letts, MDX	Ingrid Birenbaum, FDOT
John Bonds, PBS&J	Pete Vega, FDOT
Robert Heller, SwRI	James Bitting, FDOT
Charles Wallace, PBF	Chester Chandler, FDOT
Tahira Faquir, PBS&J	Jesus Marinez, FDOT
Nick Adams, FDOT	Gene Glotzbach, FDOT
Frank Deasy, PBF	Kamal Munawar, FDOT
Carl Morse, FDOT	Arturo Espinosa, FDOT
Larry Rivera, FDOT	Ranzy Whiticker, FDOT
Ivan Del Campo, MDX	Matt D'Angelo, PBS&J
Pete Vegas, FDOR	Walt Townsend, ITS-Siemens
Lynne Randolph, SwRI	Susan Crumrine, SwRI
Tammy Duncan, SwRI	Ronnie Killough, SwRI

**Subject:** Project Status Meeting for SunGuide

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

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

## **Item #1 – Software MOU, Licenses, Contract Amendment for Release 1 Updates**

- Updates on the status of the various license issues was provided by Liang Hsia (slides posted to the project web site)

## **Item #2 – District Updates**

- Districts updates for each District were provided – details in the slides provided by Liang Hsia (slides posted to the project web site)

## **Item #3 – Project Status Report**

- Project status was discussed – extensive number of slides discussed.
- Release 1 status – functional threads through the following subsystems operating in the SwRI lab:
  - Status Logger

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- Executive Handler
- Notify Handler
- DMS (driver to GUI)
- CCTV (driver to GUI)
- TSS (driver to GUI)
- Deliverable status – reviewed status of pending documents and future documents
- Schedule status – overall schedule status was reviewed.
- Discussed the upcoming Concept of Operations and Software Design Review to be held May 12, 2004 in Orlando (PBS&J facilities)

### **Item #4 – Open Discussion / Action Item Summary**

- Action items summarized (see summary below – also posted to the project web site).

### **Item #5 – Software Demonstration**

- An extensive laboratory demonstration of the SunGuide software was provided to all participants.
- The use of a Microsoft compliant joystick was demonstrated as a CCTV control device.
- The following questions / suggestions arose during the lab demonstration:
  - TSS display options (SwRI will update the GUI to support the following)
    - Thin line for lane w/zoom in capability
    - One link representation of all lane data
    - One link w/click for detail
    - Configurable setting for view
  - How do you tell which lane in detail view corresponds to which lane on the highway? Answer: lane 1 is always closest to the center line / median
  - Alarm triggers -- we just have one alarm trigger level, where is the yellow detail coming from? Answer: The yellow is a “configurable” percentage between the threshold and speed limit (e.g. if the speed limit is 60, the alarm threshold is 20 and the configurable percentage is 50%, the yellow would be drawn at 40).
  - Device labels on map or hover to view (configurable). SwRI response: plan is to add this although not an explicit SunGuide requirement.
  - Colors of map--would like to be user configurable for people w/color blindness. SwRI response: plan is to add this although not an explicit SunGuide requirement.
  - Admin GUI--add select all/deselect all. SwRI response: will investigate the possibility of adding.
  - View all users who have a particular permission. SwRI response: will investigate the possibility of adding.
  - Save preferences for a particular user for the GUI. SwRI response: plan is to add this although not an explicit SunGuide requirement.

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- Communication schema for C2C – FDOT needs to develop an operational policy for how they plan to name SunGuide equipment so that when the C2C interface is enabled users in other centers will be able to quickly locate desired equipment. Note that the SunGuide software supports textual fields and the contents of this field is left completely to the discretion of the system administrator's.

### **Item #6 (non-agenda item) – Testing Discussion**

- Participants in the testing discussion included:
  - Liang Hsia
  - David Chang
  - John Bonds
  - Walt Townsend
  - Steve Dellenback
  - Robert Heller
  - Charles Wallace
- Extensive discussion about FDOT expectations and SwRI software practices was held to determine consistent language and expectations for the testing process to be employed for the SunGuide software project.
- The group conclusions are as follows:
  - For each Release, SwRI will provide the following documents:
    - Integration Plan: which requirements will be tested
    - Software Test Plan: pep
    - Software Test Procedures
    - Software Test Reports: contains “what happened”
  - For each Release, the following steps will be performed (in the order listed):
    - SwRI will execute the SwRI developed Software Test Procedures (what SwRI traditionally calls ATP) – this could also be considered a “factory acceptance test” (FDOT will observe)
    - Software will be deployed
    - SwRI will execute the SwRI developed Software Test Procedures at the deployment site (FDOT will observe)
    - SwRI will provide the deployment site with training
    - FDOT will execute a FDOT set of FDOT developed test procedures (SwRI will observe)
- The consensus was that if the level of testing described above is performed then adequate testing of the SunGuide software will occur before it is released to a deployment site for operational use.

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**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>
41	SwRI	SwRI to send sample ITS web sites to FDOT so they can review content and format – this will be used to help guide the web development effort in Release 2a	5/15/04
42	SwRI	Print status logger messages for distribution to FDOT.	4/29/04