



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



Friday, September 17, 2004, 8:30 AM to 11:55 AM EDT

Ft. Lauderdale, District 4

CDRL 1-8.2.10

## Attendees:

Liang Hsia, FDOT	Robert Heller, SwRI
David Chang, PBS&J	Greg Letts MDX
John Bonds, PBS&J (phone)	Dong Chen, FDOT
Jesus Martinez, FDOT (phone)	Kendra Blackford, Turnpike
James Bitting, FDOT	Walt Townsend, ITS-Siemens (phone)
Dan Baxter, PBF	Steve Corbin, FDOT
Frank Deasy (phone)	Ivan de Campo, MDX (phone)
Steve Dellenback, SwRI	Chris Birosek, FDOT (phone)
Ranzy Whiticker, Turnpike	Steve Corbin, FDOT
Eric Pokrajac, DMJHarris	Arturo Espinosa, FDOT (phone)
Pete Vega, FDOT (phone)	Greg Floyd, PBF (phone)
Charles Wallace, 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 – License Updates

- The TransGuide license has been signed by TxDOT and returned to FDOT.

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

- District 4 update
  - TCO two weeks ago, equipment will be moved tomorrow (18 Sept 2004)
  - Meeting this afternoon to review assets available for SunGuide software deployment.
- District 6 update
  - April 2005 I-95 redeployment. Need to operate that equipment with SunGuide software
  - Oracle fail over configuration has not been determined will want SwRI input for that effort.
- MDX update
  - RSOQ for operator and wall. Short listing now. Negotiations through ITN. On board Feb or Mar. Operational by Oct Nov 2005
  - Concurrent deployment with District 6
- District 7 update:

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- TMC opening Mar Apr 2006
- District 1 update
  - Preliminary design of TMC let in May 05 complete end of 06,
  - Deployment Dec 2006. The TMC will be in the Ft Myers, Daniels Pkwy Rest Area.
- Turnpike Enterprise update:
  - V 1.2 (DMS NTCIP driver) mid October
  - V2.0 Requirements out, it includes camera NTCIP driver and the C2C plug-in. It is targeted for October 2005

**Item #3 – Project Status Report**

- Diagram update. Development update by task.
- Ramp metering? Has the license issue affected the development? No, it may affect the deployment. (Liang Hsia)
- Design Review we will freeze the requirements for Release 2 (JB/LH) within ECP 2. (John Bonds)
- Map link editor: connector ramps are included if they are instrumented. The IM does not make use of the configuration of roadway lanes, nor does it learn. (Steve Corbin)
- Jan of Barco says there is a new version of the software due out very soon (Greg).
- Only when the Barco subsystem is rebooted does it lose the configuration information. (Steve Corbin)
- Slide 18 is a snapshot of the operator GUI, not the link configuration GUI.
- During the deployment survey, we will talk about the recommended number of the analog video capture cards will be necessary. The cards will need to be purchased by the districts. (Greg Letts) We will use a hardware solution.
- (James) can this application be set to grab a 10 second video clip? The more expensive cards can do that, but this is not going to be in Release 1. Action Item.
- PelcoNet has a product that will do a server push of video frames? D6 is running of these at this time. (Arturo)
- What about cameras that have already been bought from VICON? Push to get firmware upgrades (Greg Letts)
- District 4 wants to maintain service during the milestone demonstration. The deployment period is still open question (Steve Corbin).
- The request to establish modem connection Steve said is not a problem.

**Item #4 -- SunGuide Testing and Deployment Process**

- When does training take place? FDOT will use the trained operators to conduct their testing, will that use the installed product in District 4?
- Dong Chen The person writing the test procedure needs to be independent of the developers, the person running the test needs to be independent of the developers, they have to agree. Robert Heller wrote no code, is writing the test procedures. Ideally an FDOT person will run the mouse during testing while an SwRI person observes;. They both sign the test procedure describing the results.

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**Item #5 -- C2C Communications Design**

- September 29 is the target for the internal DRAFT document.
- What happens if D6 goes down and MDX takes over. Then MDX goes down and Turnpike takes over. When does this start to come apart?
- Command and control media is separate from the video distribution media is a basic assumption of the analysis.
- What is the meaning of the hexagons vs circles and green lines vs black lines? They are artifacts of the function that the nodes are performing.
- What about west coast? TGC is responsible for getting them on line.
- Other inter district communications projects
  - 2 years there will be a fiber link from Ft. Meyers to District 4.
  - Optical between D7 to D5
  - Optical between D7 to FtM.
  - Optical between D4 to D5
- Has SmartRoute been considered as a separate center? They have been considered a user, but they are also a provider. SmartRoute will appear at Golden Glade hub and will appear as D6 video streams.
- What about distribution of video using the existing T3 links into the centers?

**Item #6 -- Traffic Incident Management (TIM) Update**

- No Discussion.

**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>
47	SwRI	Does the IM system know what the lane configuration is for a section of highway?	TBD
48	FDOT	Send Jesus email describing the bugs SwRI has found in Barco Apollo API.	TBD
49	SwRI	Can we extend the video snapshot to a 10 second video clip?	TBD
50	FDOT	Central office to provide GDT CD set to District 4.	TBD
51	FDOT	FDOT put pressure on Vicon to upgrade to NTCIP CCTV version 1.08	TBD
52	FDOT	Cable barrier system in alligator alley needs to be monitored, how does that get incorporated into the SunGuide software?	TBD