



# SunGuide Status Meeting Minutes



**Tuesday, February 17, 2004: 8:30 to 11:30**  
**District Four Old Auditorium, Ft. Lauderdale, Florida**

CDRL 1-8.2.3

## Attendees:

Liang Hsia, FDOT	Steve Dellenback, SwRI
David Chang, PBS&J	Susan Crumrine, SwRI
Gregg Letts, MDX	Ingrid Birenbaum, FDOT
John Bonds, PBS&J	Steve Seefchak, City of Aventura
Robert Heller, SwRI	James Bitting, FDOT
(Teleconference)	(teleconference)
Charles Wallace, PBF	Walt Townsend, ITS Siemens
Tahira Faquir, FDOT	Jesus Marinez, FDOT
Arturo Espinosa, FDOT	Ivan del Campo, MDX
Pete Vega, FDOT	
(Teleconference)	

## 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 – Introduction

- Liang Hsia provided a welcome and introduction.

## Item #2 – New Software Name Announcement

- New name: SunGuide

## Item #3 – MOU between FDOT and TxDOT, Software License Updates: TransGuide, and TxSoftware Sublicense Modification for D2

- Discussed the history of the SwRI / FDOT license
- FDOT has gotten draft license agreement from TransGuide; currently in legal review at FDOT. Hope to finalize within 2 or 3 weeks (FDOT has inserted extra terms in license – dealing with giving to other state agencies).
- FDOT worked on copyright notices
- MDX is drafting a JPA that will be sent to FDOT for their review

## Item #4 – Ramp Metering Module Status, License and Terms of Use (TOU) update

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- Received a draft TOU from WsDOT in January 2004 (170 firmware for controllers)
- Central ITS and Legal offices are reviewing TOU
- Will be sent to Morgan Balogh of WsDOT with FDOT updates
- Need firmware in place for ramp metering module

### **Item #5 – Districts' TMC and Software Deployment Schedule Updates**

- District 6:
  - Will provide a tour later today
  - Tentative move in is April 2004, may slip to May 2004
  - I95 Package B project – Mastec working on project, no schedule changes have been identified – to be completed July 2005
  - Tentative turn on day for ramp metering systems is October 1, 2005. Would like software June/July timeframe if at all possible.
- MDX:
  - Hope to advertise for a TMC Systems Manager in the next several months
  - Would hope to deploy TMC software by September 2005
  - MDX and D6 would like to concurrently deploy software.
- District 4:
  - Still on tack for a TCO in April 2004
  - Camera and detector job is slightly behind
  - Ready to deploy between April 2004 and when Release 1 is complete (will only have Mark IV signs)
  - Assume cameras and detectors may become on line in September 2004
- Turnpike:
  - Final stages of testing SunNav version 1.0.1
  - About to start developing requirements for SunNav version 1.0.2
  - After D4 and D6 establishes a C2C connection, Turnpike will work out how they plan to interact
- District 7:
  - On track for April, 2006
  - Have received Computer Sizing Estimates and will use to determine purchases

### **Item #6 – Computer Size Estimates for TMC**

- History, conceptual diagram, computer configurations were discussed.
- Table for sizing the number of servers was explained. Various parameters (number of signs, operational modes, etc.) and their impact were explained.
- D6 wants to send SwRI their operational scenario for consideration and advisement when closer to deployment. Failover and clustering are considerations.
- Clarification – number of CPUs, not number of boxes is what is estimated in SwRI's table.

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### **Item #7 – Project Status Report/ URR, SRR Meetings Action Items Follow Up**

- Project status was discussed.
- Release approach and scope of each release were reviewed.
- Release 1 status – user interface and maps will slow down for a couple of weeks while staff member is recovering from surgery. DMS subsystems very close. Video switch device driver on hold. Chart tasks behind 2-3 weeks. Others on track.
- Release 2a status – stopped work on SunGuide camera support
- Deliverable status – reviewed status of pending documents and future documents
- Cost status – question raised about starting release 2a. FDOT was notified of this intent in last status report.
- Schedule status – overall schedule status was reviewed.
- Oracle CDs were provided to SwRI at today's meeting.
- Graphical depiction of schedule status was reviewed and deemed a good idea.
- Release 1 integration status (11 subsystems, 3 active device drivers) – approx 15% complete. D6 likes this depiction, but prefers color to hashing. General concurrence around the table.
- April 29 proposed meeting at SwRI received general concurrence. The majority of those present today indicated they could attend a meeting in SA at that time.
- Action items review – item 27 remove Washington; item 32 needs to be reopened due to a question about multiple critical paths instead of only a single critical path – side bar meeting needed to discuss; item 35 shape files should be posted to the website; item 36 D6 will have presentation for March meeting. D6 (through Liang) will provide password to his website for SwRI access.
- John Bonds summary – project appears to be in pretty good shape. Some activities are behind, but others are ahead. Some risk in lateness of Concept of Operations.

### **Item #8 – Summary of Final List for Contract Amendment: Deletion/Addition of new Modules, Associated Cost, and Schedule**

- Liang suggested that the list presented and eventually (to be) agreed to will be the final list for Release 1.
- Clarification provided on Ramp Metering and where firmware, SW, fuzzy logic, etc. lie in our generic Data Base, ICD, Device Driver diagram on slide 35.
- Slide 36 – should indicate that work has been stopped on the “SunGuide CCTV” device driver.
- IP Video - SwRI explained how IP video works. SwRI software will allow FDOT to configure which encoders talk to which decoders. The SwRI SW however will not address the interoperability issue. D6 pointed out that software decoders are available. March 9 - C2C coordination meeting will be held in conjunction with other meetings.
- Trailblazer will be treated like a single mode DMS. Need to be able to utilize multiple predefined operational plan sets.

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- IDI – current proposed scope includes support only, no SwRI written device drivers. IDI charges \$5000 for test software. SwRI does not have it. Issue exists with IDI IP address spaces.
- D4 will email contact information on who to talk to at DTS to get the protocol.
- Barco/Argus – Wall can be dynamically reconfigured through their API so SwRI has estimated the cost to develop software to configure the virtual windows. D6 indicated that they will allow SwRI to access their video wall for testing. D2's wall will be in operation in the May/June timeframe. D4 indicated they will not be changing over in her district, but rather will be staying with DTS.
- Slide 48 costs were discussed. DTS costs are budgetary due to unknowns at this time. D4 suggested that Central Office and District 4 discuss the economies of the Central Office buying the district the Argus system as opposed to supporting both DTS and Argus. If this happens there is an added benefit because it could be used at SwRI for testing prior to being installed in the district. Liang pointed out that Central Office will be discussing these estimates with SwRI and how they were arrived at.
- Slide 50 schedule was discussed. D6 indicated that the trailblazer driver could be delayed. Argus should be done sooner. DTS may not be needed (based on what decision is made on above suggestion by D4), but if it is D4 needs it sooner. EIS and IP video could be delayed, per D6. Video switch driver is need for release 1. HAR should have been listed for release 2a. Ramp metering should have been listed also. D6 pointed out that the 170 Wash DOT firmware drives some things also. B238 may not be needed. Liang will send out email to make determination. District 5 plans to use it, in which case it is still needed. The districts need to work with Central Office who will then direct SwRI.

### **Item #9 – Announcement of March Project Status Review Meeting with ITS Working Group Meeting**

- John Bonds requested that large labels be placed on each box used in demo so its clear what each is doing.

### **Item #10 – Open Discussion / Action Item Summary**

- Question raised by Pete on Smart Socket – whether it will be needed to run with SunGuide. Liang indicated this has been discussed with Steve Novosad.

## **ACTION ITEMS**

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

<b>Number</b>	<b>Responsible</b>	<b>Text</b>	<b>Due Date</b>
38	SwRI	Provide a list of actions that are currently logged	