



SunGuide Concept of Operations and Software Design Review



Meeting Minutes

Wednesday, May 12, 2004: 8:30 to 4:30

PBS&J Offices, Maitland, Florida

CDRL 1-8.2.6

Attendees:

Liang Hsia, FDOT *	Steve Dellenback, SwRI *
David Chang, PBS&J *	Robert Heller, SwRI *
John Bonds, PBS&J *	Lynne Randolph, SwRI *
Walt Townsend, ITS-Siemens *	Roger Strain, SwRI *
James Bitting, FDOT *	Meredith Moczygemba, SwRI *
Chung Tran, FHWA *	Charles Wallace, PBF *
Pete Vega, FDOT *	John Schumitz, PBF *
Larry Rivera, FDOT	Scott Silva, FDOT
Ivan Del Campo, MDX – WebEx	Dong Chen, FDOT – WebEx
Jesus Martinez, FDOT – WebEx	Ingrid Birenbaum, FDOT - WebEx
Chris Briosak, FDOT – WebEx	Gregg Letts, MDX – WebEx
Steve Crobin, FDOT – WebEx	Ranzy Whiticker, FDOT – WebEx

* SDR participant (afternoon session)

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 – Expectations / Goals of the Concept of Operations Review

- Steve Dellenback provided a discussion of SwRI expectations about the Concept of Operations discussion:
 - Goal is to provide the Districts / Agencies with a perspective of how the SunGuide software is to be used
 - As a result of the latest contract modification, the Concept of Operations document is being updated to include “operational scenarios” (that will be discussed at this meeting)

Item #2 – Concept of Operations Review

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- Extensive set of slides used to provide the review (slides available on the project web site)
- Scenarios to discuss:
 - Sports venues: SwRI handles as special events
- Time synchronization of servers: should be done
- Executive handler: would like to add year on date stamps presented
- Question was asked if hostname standards would be provided by SwRI, answer is no.
- Notify manager: can it be configured by time of day.
- Noted that you will need access to a mail server to forward messages to
- Device malfunction should cause a visual representation.
- Would like an option to invoke notify manager on device failure.
- All GUI colors will be user configurable
- Number of console monitors:
 - Turnpike – 1
 - D4 – 4
 - D2 - 2
 - MDX – 3
 - D6 - configurable
 - D5 – 4 max
- Hover buttons on map (e.g. show name of CCTV, show text on DMS)
- On DMS selection list, if you pick one have the icon show up.
- Would like the DMS status screen to come up in a minimized mode
- Trailblazers will show up on DMS (show you trailblazer capability)
- “New Page” on “DMS Control” – modify buttons so that it shows 2 phases but has capability to add a third phase.
- DMS: does number of phases support attribute information exist
- Incident icons: will icons show on map – yes – SwRI would like to hear some suggested icon examples
- IM: Can you have a table that is geo-located that will pull up contacts based on location of incident. Solution might be to create a group and assign at the link level a table for contacts
- IM: Chung discussed that we need to talk with FHP and others about IM requirements. Also discussed the inclusion of milepost information on IM.
- Amber Alerts should be treated as an incident (so that DMS and HARs can be used) – FDOT has a policy on Amber Alert. Note that the SunGuide software does not have a “Amber Alert” button – you will use groups or incidents to implement a Amber alert.
- Special Events: Chung Tran reiterated that changing local traffic signal timings is imperative when processing a special event.
- Emergency evacuation: contact Anne Brewer about iFlorida EE
- How can a local system tell if a remote center has put up a message (i.e.
- Responses plans across Center-to-Centers (i.e. one plan that crosses centers)
- Variable message signs – are they supported by SunGuide
- On an incident, would it be possible to notify agencies that diversions have occurred (e.g. let someone know that traffic is being routed off the roadway)
- Milepost markers: how to put on map – SwRI to develop an approach.

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- Suggestions for scenarios:
 - Signal control
 - Unusual operations (e.g. server goes out)

Item #3 – Expectations / Goals of the Software Design Review

- Steve Dellenback provided a discussion of SwRI expectations about the Software Design Review discussion:
 - Provide input into the SwRI / PBF design
 - Clearly explain how subsystems are being built
 - Solicit FDOT feedback as to other design approaches that should be considered

Item #4 – Software Design Review

- Extensive set of slides used to provide the review (slides available on the project web site)
- Added a discussion of Client / Tester that will allow a subsystem to interact with a “fake” subsystem using XML.
- Chung mentioned that the 511 and RWIS (from iFlorida) needs to be integrated into the traveler information system
- Are passwords passed in clear text – no, the password is not sent in clear text (encrypted by SunGuide software).
- Would like capability to block out video areas – discussion of using in hardware versus software ensued (SwRI would like to do in software). Walt discussed Pelco camera that you can issue “preset 95” that will pull up a menu that will allow you to set blackout zones.
- Traceability – using the SDD it is hard to know where you are going when you click on a link – SwRI will look at the SDD to determine if an improved concept could be implemented.
- Walt two minor things:
 - Links to XML schema is to an external site (which are not available if one is reading the SDD and not on the Internet). SwRI response is that in the final SDD the files will be incorporated
 - Data dictionary – elements are linked but the units are not described. SwRI response is that the units are in the XML schema.

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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
43	SwRI	Add to the implementation documents that it is recommended that clocks be sync'ed across computers	8/1/04
44	SwRI	Determine if the notify manager can be configured to set up timeframe that a user would receive notify messages.	6/1/04
45	SwRI	Develop an approach to having contact lists vary by geographic locale.	6/1/04
46	SwRI	Investigate an approach to implementing mile marker on the map.	6/1/04