Change Management Board Meeting

Bridgeline #850-414-4977

Welcome and Introductions

Steve Corbin, CMB Chairman

Change Management Board

Time	Item		Lead	Supporting Materials
1:30 – 1:40	Welcome and Introductions		Corbin	
1:40 – 1:55	Previous Meeting Recap and Action Item Review		Corbin	May 16, 2007 Meeting Notes
1:55 – 2:15	SunGuide℠ Software Full-time On-site Support		Dellenback	CMB .ppt
2:15 – 2:45	SunGuide℠ Footprints Issues Review	Issue No. 51 and 224 *(Vote)*	Heller	CMB .ppt
		Issue No. 235-242		
		Issue No. 222 *(Vote)*		
2:45 – 3:15	SunGuide℠ Software Supported Environment	Oracle	Dellenback	CMB .ppt
		Internet Explorer		CMB .ppt
		Microsoft Clustering		Cluster Installation Instructions ROM .pdf
3:15 – 3:30	BREAK			

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Time	Item		Lead	Supporting Materials
3:15 – 3:30	BREAK			
3:30 – 3:40	SunGuide[SM] Software Release 3.0	Modified Requirement – SV002B *(Vote)*	Bonds	Ballot
3:40 – 4:20	SunGuide[SM] Software Release 3.1	D-2 Additional Travel Time Subsystem Requirements *(Vote)*	Bonds	D-2 ConOps or Requirments, Ballot
4:20 – 4:45	SunGuide[SM] Software Release 4.0	Modified ATIS Data Fusion Subsystem Requirements *(Vote)*	Bonds	Requirements Specification, Ballot
4:45 – 5:00	Closing and Action Item Review		Corbin	

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Previous Meeting Recap and Action Item Review

SunGuide℠ Software Full-time On-site Support

ACTION ITEMS

- Gene Glotzbach, Trey Tillander, and Steve Corbin will have a teleconference to decide on the edits to the CMB charter and then send the revised version to CMB members for review.
- Trey Tillander will look into Safety Program's software which can provide the mapping of FHP roadway.
- Trey Tillander will update/modify the FHP CAD ConOps documents, including:
  - Flowchart
  - RCC coverage map
- Jennifer Heller will check with the FHP regarding disabled vehicle (DAV) and abandoned vehicle information.
- Steve Corbin will provide the Red tag information (based on event type, duration) in SunGuide Release 2.2.
- Districts will provide comments of FHP CAD ConOps document by April 26, 2007.
- Districts will provide comments of AMBER Alert ConOps document by April 26, 2007.
- Steve Corbin will review and circulate the document, *Using SunGuide Software at Multiple TMCs Currently,* before the next CMB meeting. The next CMB meeting will be scheduled for late May in video-conference format.

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SunGuide^{SM} Software Full-time On-site Support

Robert Heller

SunGuide℠ Software Full-time On-site Support

- Authorized by SWAM #10
  - Located at TERL
  - Provide SunGuide℠ support to FDOT CO and Districts
  - FY 2008

- Clay Packard
  - SunGuide development experience
  - Started working at TERL, July 2, 2007
  - Contacted through normal support line

Clay Packard at TERL

On-site Support Priorities

1. Respond to SunGuide℠ Help Desk Support requests
2. Assist with SunGuide℠ installations and upgrades
3. Respond to SunGuide℠ Footprints support issues
4. Work on SunGuide℠ software enhancements
5. Attend SunGuide℠-related meetings and telecons as directed by the SwRI & FDOT PMs
6. Assist FDOT software CM applications.
7. Assist FDOT with testing and IV&V of SunGuide℠ software releases.
8. Assist FDOT with C2C integration and testing
9. Assist FDOT with integration and testing between SunGuide℠ and external interfaces and field devices at TERL.
10. Assist FDOT with retrieving reports from SunGuide℠ Software
11. Assist with network administration of SunGuide℠ servers
12. Document config.xml and other SunGuide℠ software setup

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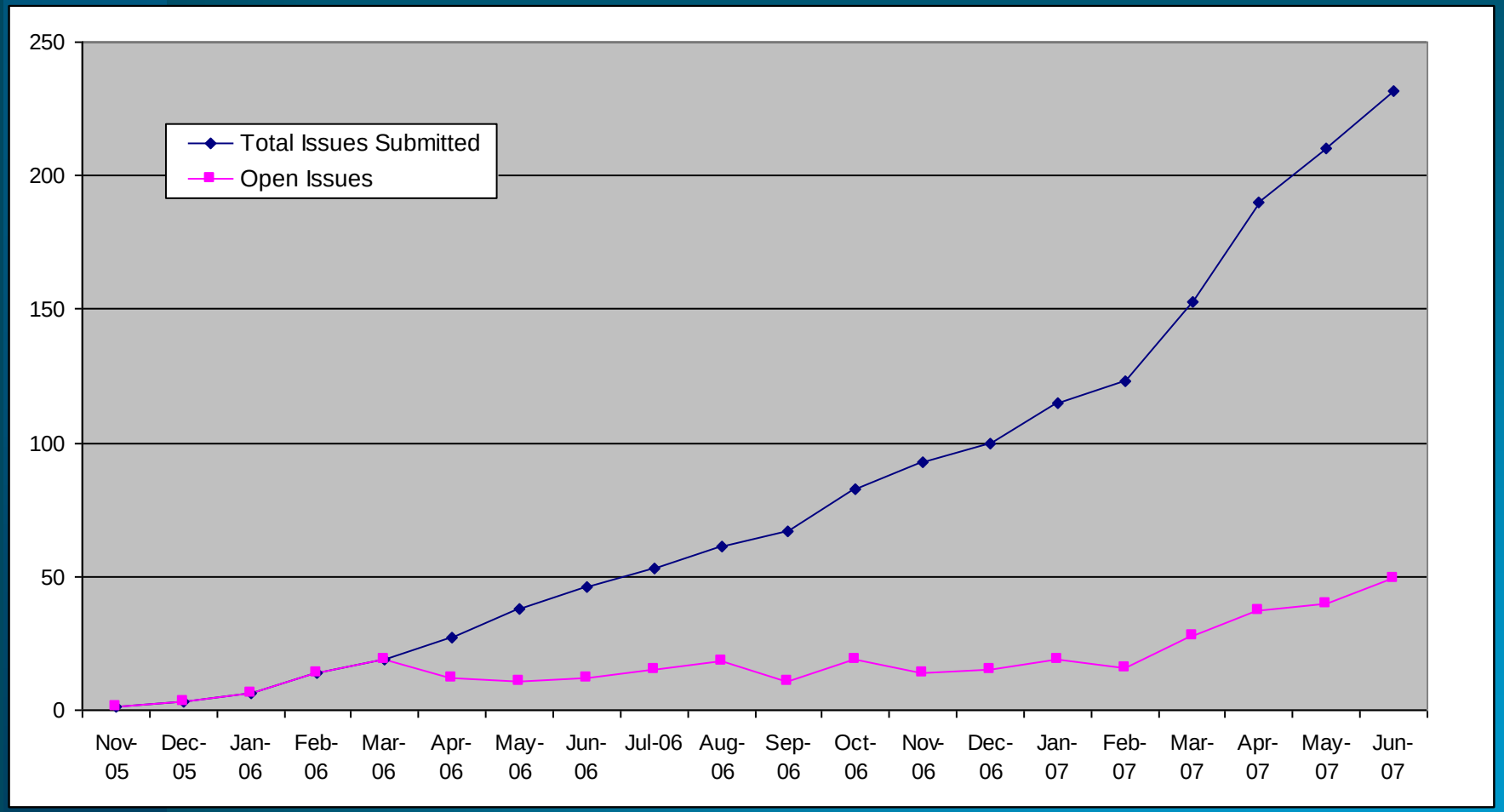
SunGuide℠ Software Footprints Issues Review

Robert Heller

Footprints Issues Status

	New	Open	Closed	Public Solution	Total
Jun 29, 07	22	49	183	3	232
May 31, 07	20	40	170	3	210
Apr 30, 07	37	37	153	2	153
Mar 29, 07	26	25	125	2	150
Feb 28, 07	19	16	106	2	124
Jan 9, 07	11	15	89	1	105
Dec 1, 06		14	79	1	94

All Open Issues



Old Footprints Issues

Issue Number	Date Submitted	Status	Last Edit Date	Title
51	6/6/2006	Needs FDOT Approval	11/27/2006	TVT messages with multiple destinations but missing data
97	11/16/2006	More Information Requested	5/2/2007	Preferences lost
101	11/30/2006	More Information Requested	12/12/2006	Detectors reporting 0-0-0 for both no vehicles (empty roadway), and stopped vehicles (congestion)
102	11/30/2006	SwRI Reviewing	12/11/2006	Allow 'failed' devices to still periodically poll
107	12/22/2006	SwRI Reviewing	6/1/2007	MCP / Joystick issue
110	1/3/2007	SwRI Reviewing	3/6/2007	MAS subsystem locks up
116	1/18/2007	SwRI Reviewing	1/22/2007	Improvement to Admin Editor device pages
134	3/1/2007	SwRI Reviewing	3/1/2007	Ability to convert NonTSS link to TSS link
143	3/15/2007	SwRI Reviewing	4/25/2007	Service restart required when device IP addresses modified
148	3/20/2007	SwRI Reviewing	3/20/2007	Data Archive / TSS logs have inconsistent timestamps
157	3/22/2007	Waiting for Funding	6/12/2007	Lat & Long for SunGuide in Admin Editor

New Footprints Issues

Issue Number	Date Submitted	Status	Last Edit Date	Title
163	3/30/2007	SwRI Addressing	4/27/2007	DMS/MAS failing to post messages
173	4/5/2007	More Information Requested	5/10/2007	Spelling Confict Windows load with no data
174	4/5/2007	SwRI Reviewing	4/11/2007	CCTV Status does not start as active
176	4/5/2007	SwRI Reviewing	4/6/2007	Databus does not stop gracefully
177	4/5/2007	SwRI Reviewing	4/6/2007	C2C Client Service does not stop gracefully
179	4/6/2007	Needs FDOT Approval	6/12/2007	Video tours using VBrick 6000 Series Decoder
183	4/11/2007	Needs FDOT Approval	6/11/2007	Admin Editor/IM/Deveice Templates/Road Closed Template
185	4/12/2007	SwRI Reviewing	6/1/2007	CCTV or MCP drops leading zeros
186	4/13/2007	More Information Requested	6/13/2007	NIML Detector Recommended Configuration
189	4/19/2007	Issue Submitted	4/24/2007	Cannot Edit Message Database
191	4/20/2007	More Information Requested	5/1/2007	.NET Exception error
193	4/23/2007	SwRI Reviewing	6/12/2007	IIS Admin Editor Permissions
194	4/23/2007	More Information Requested	5/8/2007	TSS Detectors - Error State
196	4/24/2007	SwRI Reviewing	6/1/2007	MCP stops switching video
206	5/4/2007	More Information Requested	5/10/2007	Script Error using Device Linking Editor

New Footprints Issues

Issue Number	Date Submitted	Status	Last Edit Date	Title
212	5/11/2007	More Information Requested	5/21/2007	SAS Continued
214	5/16/2007	Needs FDOT Approval	5/30/2007	Running SunGuide GUI without opening the map
215	5/17/2007	SwRI Reviewing	5/31/2007	Video switching of VBrick stream on iMPath decoder
216	5/17/2007	Needs FDOT Approval	6/11/2007	Allow events to specify multiple directions
217	5/17/2007	Needs FDOT Approval	6/11/2007	Add "Diversion" capability to Event Management
222	6/4/2007	Needs FDOT Approval	6/7/2007	Need character limitation increased from 30 to 50
224	6/12/2007	SwRI Reviewing	6/19/2007	TVT threshold and blanking segments
225	6/13/2007	SwRI Addressing	6/29/2007	SAS Subsystem Requires Restart
226	6/18/2007	SwRI Addressing	6/26/2007	Cannot map detectors
227	6/20/2007	SwRI Reviewing	6/22/2007	Speeds shown by detectors are extremely lower than actual speeds
228	6/25/2007	SwRI Reviewing	6/29/2007	D6 Support Call - DMS not retrieving data when logging in
229	6/25/2007	SwRI Reviewing	6/25/2007	Missing Data from TSS archives
230	6/26/2007	Request	6/26/2007	AD Speeddome cameras will not nudge up
232	6/27/2007	Request	6/27/2007	Admin Editor manufacturer pick lists
233	6/27/2007	SwRI Reviewing	6/28/2007	SunGuide Keeps Connections to CCTV Cameras Open when not in use

Support Call Footprints Issues

Issue Number	Date Submitted	Status	Last Edit Date	Title
235	6/27/2007	Support Log	6/27/2007	FDOT D1 Support
236	6/27/2007	Support Log	6/27/2007	FDOT D2 Support
237	6/27/2007	Support Log	6/27/2007	FDOT D3 Support
238	6/27/2007	Support Log	6/27/2007	FDOT D4 Support
239	6/27/2007	Support Log	6/28/2007	FDOT D5 Support
240	6/27/2007	Support Log	6/29/2007	FDOT D6 Support
241	6/27/2007	Support Log	6/28/2007	FDOT D7 Support
242	6/27/2007	Support Log	6/28/2007	FDOT TERL Support

Support Call Footprints Issues

- One issue for each FDOT district & TERL
- SwRI will log all support calls and synopsis of support call
- May result in Footprints issues being opened

Footprints Issue #51 & 224

- Submitted by District 2 (Jason Summerfield)
- Message template consists of two phases
  - One destination in first phase
  - Second destination in second phase
- Insufficient data for one of the destinations
  - TVT omits data for that destination
  - "Free text" remains creating garbled message
- Two options:
  1. Abandon complete message
  2. Add tags and processing for sub-messages, permits processing independently
- Impact to Admin Editor, TVT

Footprints Issue #122

- Request character limitation increased from 30 to 50
- Entered: After inputting over 100 detectors, mapping them and placing the links I have been informed there is a 30 character limit on link descriptions and names… (Joe Steward, D5)
- Need: Needed if FDOT decides to conform to NTCIP naming convention
- Impact: Admin Editor, Travel Time, TSS Subsystem

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SunGuide℠ Software Supported Environment

Steve Dellenback

SunGuide Supported Environment

- Oracle Release 10.1 vs Release 10.2
- Internet Explorer 6 vs Internet Explorer 7
- Microsoft Cluster / Oracle Cluster

Oracle 10.1 vs 10.2

Version	Available	Support
10.1	1 / 04	1 / 09
10.2	7 / 05	7 / 10
11.x.0	Q3 / 07	Unknown

- Oracle sometimes generates exception updating a column of type CLOB (character large object)
  - MAS uses this to store its queue state (patch that writes a local file)
  - SAS uses this to store its queue state (patch that writes a local file)
  - Resolved in 10.2
- 10.2 breaks some other SunGuide code (currently resolving those issues)

IE 6 vs IE 7

- Operator interface standard is IE 6
  - Develop with IE 6 and IE 7 in lab
  - Test with IE 6
- Anecdotal evidence is IE 7 25% faster rendering engine
- Recommend transition to IE 7 for performance

Document Cluster Deployment

- VDD needs to include instructions for cluster deployment
  - Release 2.2.2 VDD (Steve Corbin, D4)
  - D4, D6 are utilizing MSCS and Oracle Cluster

- SwRI provided ROM to central office (6/27/2007)
  - Described the effort (next slide)
  - Time to complete: 8 weeks
  - Budgetary estimate: $53,337

Microsoft Cluster Services
Oracle Cluster Manager

- Database Cluster documentation: describe how to utilize / configure a cluster to support the Oracle database
- Process Evaluation: the inter-relationships between the SunGuide℠ processes will be evaluated to create a table / discussion of splitting processes across a cluster
- Standards setup: using an FDOT provided number of clustered computers, create a “standard” deployment scenario
- Create documentation: create a single document that describes the above activities, (assuming knowledge of MSCS and OCM)
- Build a site: using the documentation build a site from scratch to assure that the documentation is accurate
- Rework based on FDOT comments

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SunGuide℠ Software Release 3.0
Modified Requirement SV002B

John Bonds

Requirement SV002B

The SunGuide Event Viewer Web site shall be accessible through at least the following browsers: Internet Explorer 6 and 7, Firefox, Opera, and Netscape.

- **Deleted browsers not used by the Districts**

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SunGuide^{SM} Software Release 3.1

D-2 Additional Travel Time Subsystem Requirements

Pete Vega

Change Management Board

SunGuide^{SM} Software Release 4.0

Modified ATIS Data Fusion Subsystem Requirements

John Bonds

Modified ATIS DFS Requirements

- DF011F The Data Fusion component shall provide travel times and travel delays to the IDS.

- DF016G A monitoring display shall display the current Floodgate (or recorded message) status for each "slot," allowing the operators to see which slots have messages and their status (barge-in on/off) as well as any other parameters that they might be able to set.

(slot was "floodgate category")

Modified ATIS DFS Requirements

- **DF018F A SunGuide operator with appropriate permissions shall be able to designate what data will be accessible as a limited data feed to third parties.**

(Was Data Fusion subsystem shall provide at least two different levels of access to third party feed.)

- **DF019F The Data Fusion component shall provide data to third parties that are secure behind a firewall that prohibits unauthorized access and manipulation of the information.**

(SwRI assumes a FDOT C2C feed should be sufficient.)

Modified ATIS DFS Requirements

- S017 The FLATIS shall be network-based using Transmission Control Protocol/Internet Protocol (TCP/IP) connectivity, the Hypertext Transfer Protocol (HTTP), and XML data format based shall be consistent with TMDD 2.1 (and NTCIP 2306) and the emerging TMDD 3.0 (and NTCIP 2306). SAE J2540 IITS codes shall be used to capture event information

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Closing and Action Item Review

Steve Corbin