



Change Management Board Meeting



Welcome and Introductions

Steve Corbin, CMB Chairman



Change Management Board



Time	Item	Lead	Supporting Materials	
8:30 – 8:35	Welcome and Introductions	Corbin		
8:35 – 8:45	Previous Meeting Recap and Action Item Review	Corbin	December 11, 2008 Meeting Notes	
8:45 – 9:00	New CMB Member – Miami –Dade Expressway Authority (<i>Vote</i>)	Tillander	<i>Change Management Process for the Deployment of ITS in the State of Florida – Section 6</i>	
9:00 – 9:10	PPP Concessionaire	Corbin	CMB.ppt	
9:10 – 9:25	District Configuration Updates	Chang	CMB.ppt	
9:25 – 9:50	SunGuide Software Support	Heller	CMB.ppt	
9:50 – 10:05	BREAK			
10:05 – 10:20	SunGuide Footprints Issue Review	Issue No. 101	CMB.ppt, <i>Using SunGuide Travel Times.</i>	
		Issue No. 503		
10:20 - 10:35	SunGuide Software Release 3.1	Requirements to Support I-95 Express (<i>Vote</i>)	Chang	<i>Ballot, 95 Express Lanes deployment Concept of Operations</i>



Change Management Board



Time	Item	Lead	Supporting Materials
10:35 – 11:05	SunGuide Software Release 4.0	Gaarder	Ballot
	Statewide Standard Event & Vehicle Type Lists <i>(Vote)</i>		
11:05 – 11:20	SunGuide Software Response Plan Enhancement	Tillander	CMB.ppt, Tillander 2/20/08 Email
11:20- 11:30	Closing and Action Item Review	Corbin	



Change Management Board



Previous Meeting Recap and Action Item Review



Previous Meeting Recap & Action Item Review



- **SwRI will check footprints 257 and 300 and provide additional instruction to the SunGuide Users Manual (SUM).**
- **The Central Office will distribute the SunGuide clustering document to CMB members, SwRI and SunGuide User group for review and comments.**
- **PBS&J will rework requirement DF004G4.**
- **SwRI will provide a detailed scope for District 2 Video wall project (\$14K)**
- **District 4 will put together rules for combining messages on DMS signs.**



Change Management Board



New CMB Member – Miami – Dade Expressway Authority

Trey Tillander



New CMB Member: MDX



- D6 and MDX collocated at Miami RTMC on
 - 11/2/2007, for 24/5 Collocation
 - 12/1/2007, for 24/7 Collocation
- FDOT and MDX fully executed SunGuide Software Sublicense Agreement on 1/28/08
- FDOT and MDX fully executed SunGuide Software JPA on 1/28/08
 - MDX contributed \$500,000 to FDOT for use on SunGuide Software project
 - MDX will contribute funding annually for SunGuide Software support



New CMB Member: MDX



- Per Section 6 of *CM Process*, 7 out of 9 CMB votes required to approve MDX as voting member
 - Rule of thumb is if agency contributes funding to statewide initiative, they are eligible to become voting member
- Approval raises board membership to 10 voting members
 - changes quorum
 - updates *CM Process* document



New CMB Member: MDX



- Discussion?
- **Vote**



Change Management Board



PPP Concessionaire

Steve Corbin



Change Management Board



District Configuration Update

David Chang



District Configuration Update



- **Increase of SunGuide Users:**
 - FY06, 3 users;
 - FY07, 6 users;
 - FY08, 8 users;
 - FY09, 10 users; and
 - FY10, 12+ users
- **Summary of SunGuide Usage by District, including:**
 - Release by Subsystem
 - COTS Software to support SunGuide:
 - Oracle Version, Database License #, Add-on License #
 - Windows Version, Clustering.



District Configuration Update



- Support budgeting, planning, and software maintenance support.
- District provide update to CO when there is update.
- As a resource for Districts.
- Present update at every CMB.



Change Management Board



SunGuide Software Support

Robert Heller



SunGuide Support



- **Current budgeted**
 - 1 FTE in Florida
 - PM, SPM levels
 - SA support 0.5 FTE + 24x7 support line
- **Florida staff**
 - TERL based
 - On-site in districts
 - Footprints resolution
- **San Antonio support**
 - Support phone line 210-522-6883
 - Non-release related PM activities
 - Footprints resolution



Phone Response Severity Level



Critical	Prevents operation of SunGuide software
Major	Prevents operation of a part of SunGuide software
Minor	Compensated through manual operation or does not impact operation
Enhancements	Improvements that can be included in next release



Phone Support Initial Response Time



- Initial response time

Level 1	1 hour
Level 2	14 hour
Level 3	61 hour

- Mapping problems to response times

Critical	Level 1
Major	Level 1 if “business hours”
	Level 2 if outside “business hours”
Minor	Level 2 if “business hours”
	Level 3 if outside “business hours”

“business hours:” M-F 7AM to 6 PM Eastern excl holidays



Footprints



- **Footprints**
 - Commercial issue tracking tool
 - Authorized users only
- **When a “customer” enters a footprints issue**
 - Email sent to SwRI (Clauss, Packard, Iruegas)
 - Email sent to FDOT (Tillander)
- **New issues**
 - Past reviewed several times / week
 - Future at least once / day



Footprints Login



FootPrints - Windows Internet Explorer

http://fdotweb.datasys.swri.edu/MR.cgi/MRhomepage.pl

File Edit View Favorites Tools Help

FootPrints

Title Keyword Number
 Search
[Advanced](#)

Project SunGuide
User

[Home](#)

[Requests](#)

- [Submit](#)
- [View Mine](#)
- [View Organization](#)
- [Search](#)

[Knowledge Base](#)

- [View All](#)
- [Search](#)

[Reports](#)

[My Preferences](#)

[Help](#)

[Logout](#)

Powered by
FOOTPRINTS

To contact the SwRI SunGuideSM Software support staff call: 210-522-6883. There are three levels of response times: level 1 (1 hour response for critical problems), level 2 (14 hours response for major problems) and level 3 (61 hour response for minor problems). After the initial response, SwRI reviews each Footprints issue at least once per week.

[Search Knowledge Base](#) [Submit Request](#) [View My Requests](#)

Organization's Requests for SunGuide

Issue #	Submitted On	Last Edited On	Last Edited At	Submitted By	Status	Title
560	03/13/2008	03/13/2008	12:50:38	jroso	Issue Closed	RS not generating reports
559	03/12/2008	03/12/2008	17:03:46	Clay Packard	Issue Closed	Video Switching tours, 836 & keys, not working
558	03/12/2008	03/14/2008	07:57:25	nruckert	Issue Closed	Cannot delete 2 video sources in Admin editor
557	03/12/2008	03/14/2008	06:54:00	nruckert	More Informatio	Camera's snapshots sorting on the website



Footprints Login Text



To contact the SwRI SunGuide™ Software support staff call: 210-522-6883. There are three levels of response times: level 1 (1 hour response for critical problems), level 2 (14 hours response for major problems) and level 3 (61 hour response for minor problems).

After the initial response, SwRI reviews each Footprints issue at least once per week.



Support Line vs Footprints



- **Response times**
 - Support line has stated response times
 - Footprints does not
- **If problem is impacting operations**
 - Call the support line
 - Then enter footprints



Change Management Board



BREAK



Change Management Board



Review SunGuide™ Footprints issues

Robert Heller



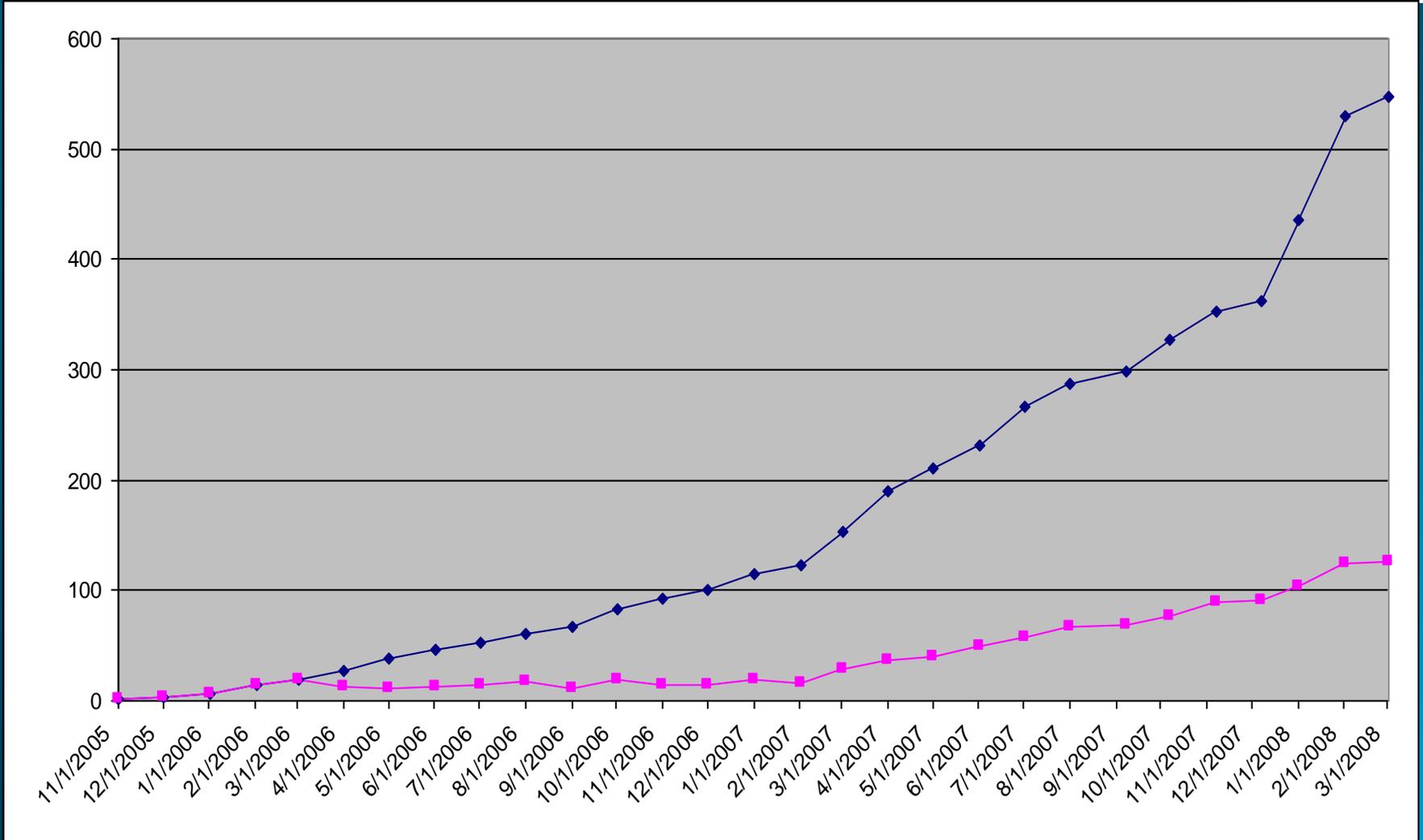
Footprints Issues Status



	NEW	OPEN	CLOSED	TOTAL
<i>Mar-08</i>	17	126	421	547
<i>Feb-08</i>	94	125	405	530
<i>Jan-08</i>	74	104	332	436
<i>Dec-07</i>	10	91	271	362
<i>Nov-07</i>	25	90	262	352
<i>Oct-07</i>	29	77	250	327
<i>Sep-07</i>	11	68	230	298
<i>Aug-07</i>	21	67	220	287
<i>Jul-07</i>	34	58	208	266
<i>Jun-07</i>	22	49	183	232
<i>May-07</i>	20	40	170	210
<i>Apr-07</i>	37	37	153	190

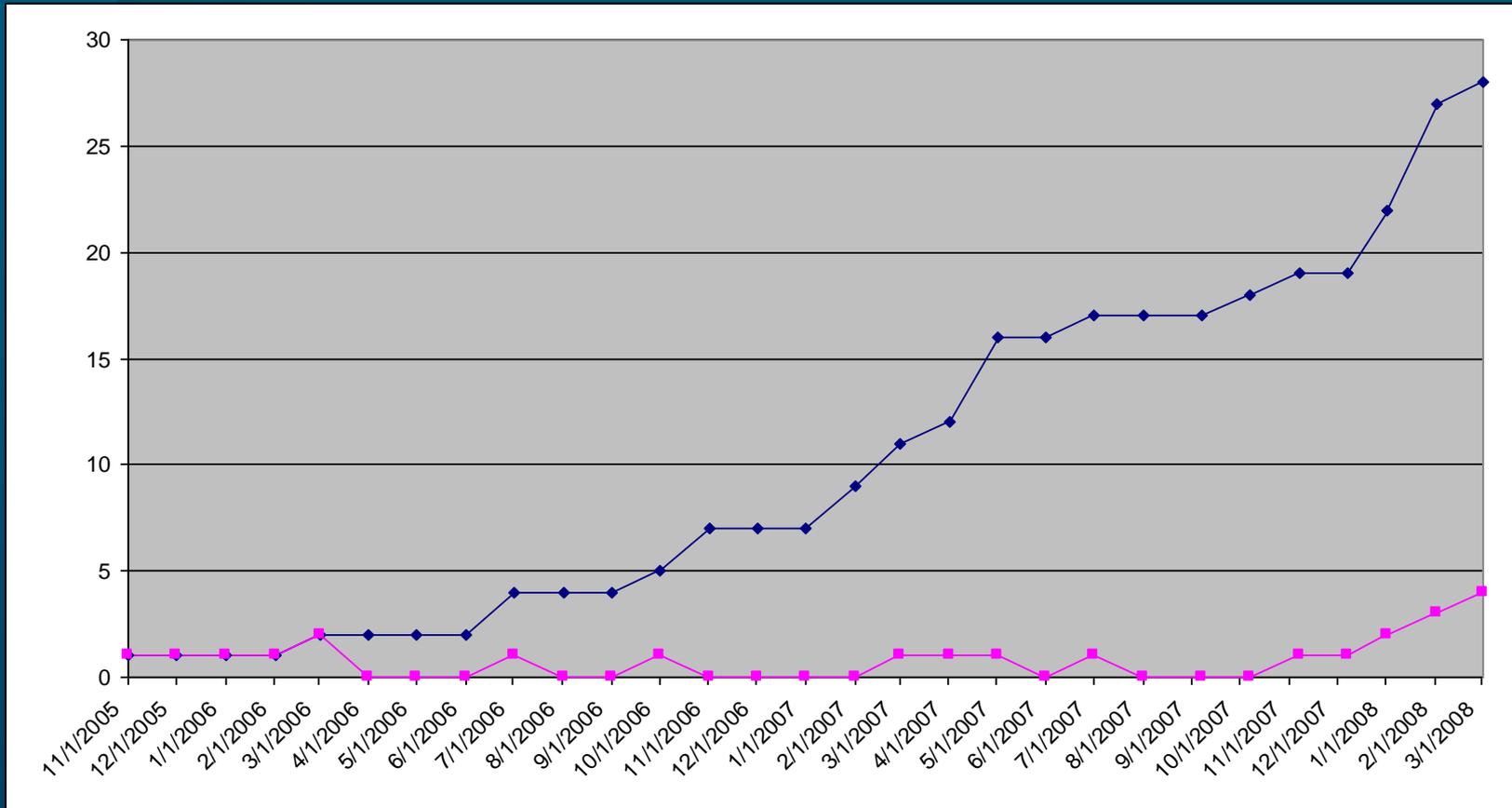


All Issues -- Total vs Open



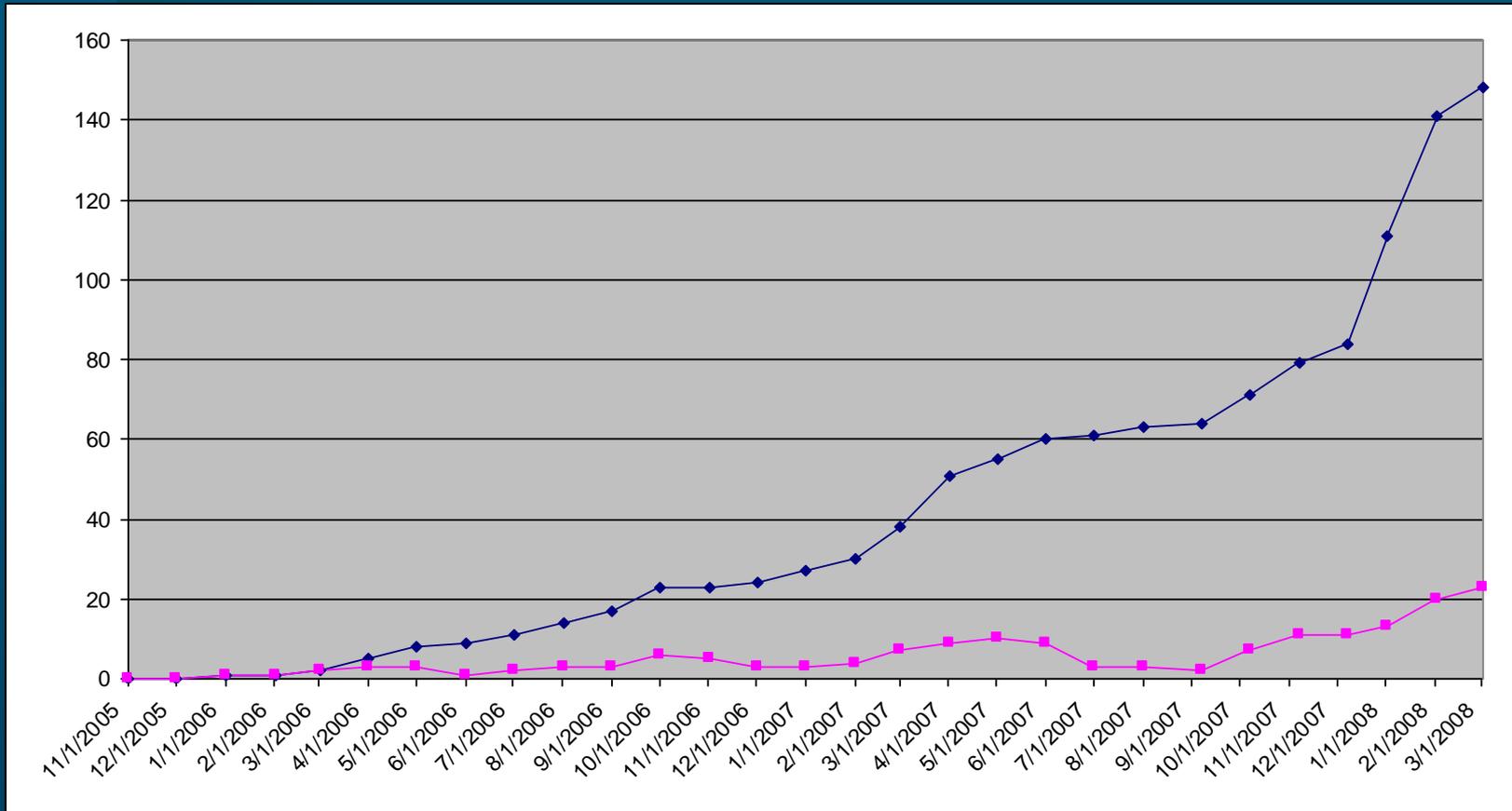


Critical Failures – Total vs Open



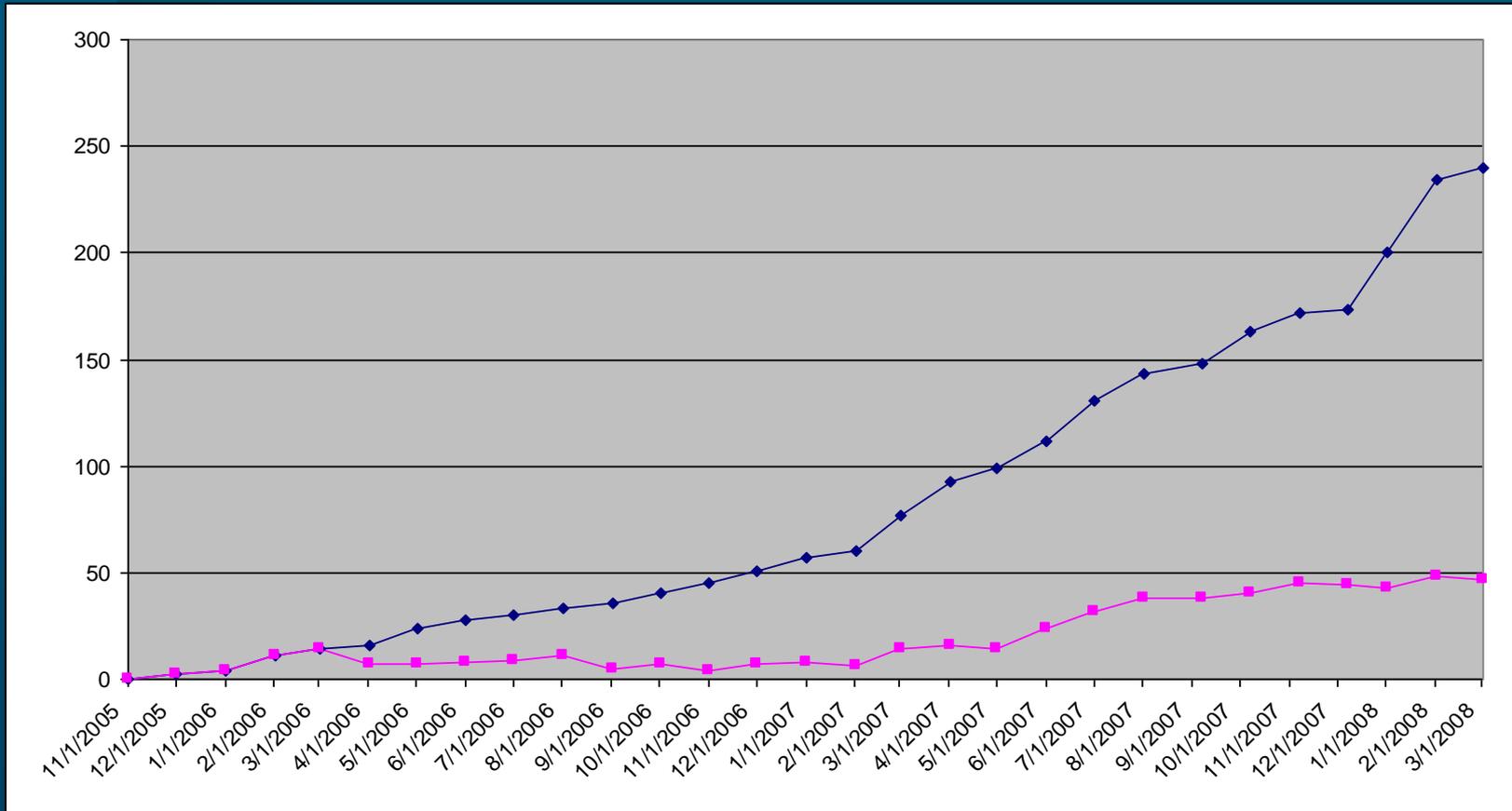


Failures – Total vs Open



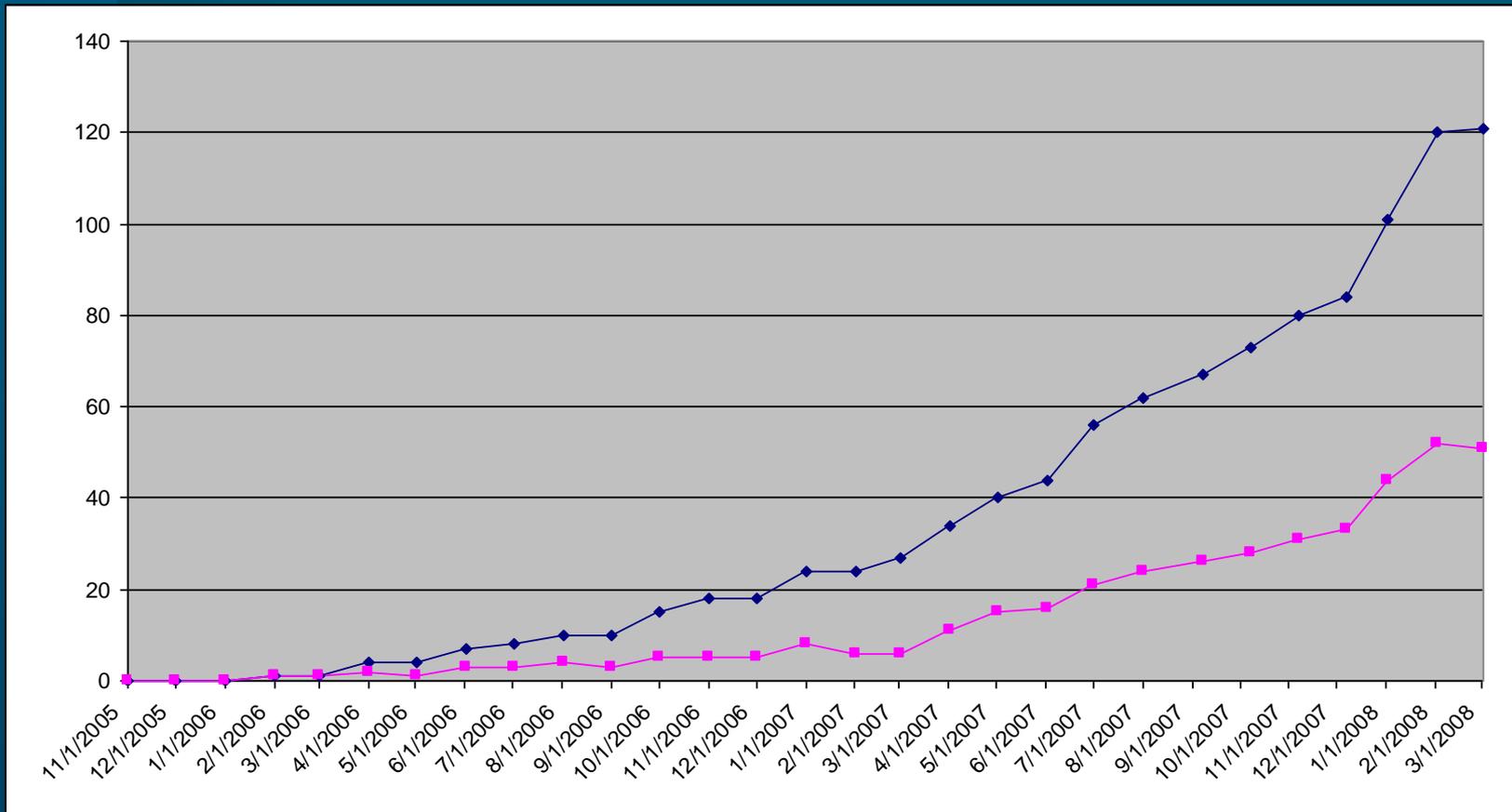


Bugs – Total vs Open





Enhancements – Total vs Open





Footprints Issues: Critical Failures



<u>490</u>	2/13/2008	More Information Requested	Operator Map does not load and restarting services fixes it
<u>505</u>	2/18/2008	SwRI Reviewing	E-Mail group
<u>539</u>	2/29/2008	More Information Requested	Can only use one response plan at a time
<u>551</u>	3/10/2008	SwRI Reviewing	DataArchive error connecting to ExecHandler17



Footprints Issues: Failures



<u>363</u>	11/28/2007	SwRI Reviewing	TVT Subsystem locks up frequently on activation of travel times
<u>370</u>	12/11/2007	SwRI Addressing	Data Archive Subsystem keeps exiting
<u>438</u>	1/30/2008	SwRI Addressing	VSL Recommendations not accurate
<u>441</u>	1/30/2008	SwRI Reviewing	New User fails to log into TVT
<u>458</u>	2/4/2008	More Information Requested	Web Server crashing
<u>470</u>	2/6/2008	SwRI Reviewing	C2C Subscriber reconnection
<u>474</u>	2/6/2008	SwRI Reviewing	511 failing to upload to LogicTree FTP
<u>491</u>	2/13/2008	Needs FDOT Approval	RPG uses roadway longname instead of shortname
<u>494</u>	2/13/2008	SwRI Reviewing	Arterial roads are not on website (No link at all)
<u>500</u>	2/18/2008	More Information Requested	Operator Maps losing connection to Databus
<u>501</u>	2/18/2008	SwRI Reviewing	Unable to generate Event_Stat_DMS report
<u>508</u>	2/19/2008	SwRI Reviewing	Reports miss events, filter option problems
<u>512</u>	2/20/2008	SwRI Reviewing	Unable to close/audit event



Footprints Issues: Failures (cont)



<u>513</u>	2/20/2008	SwRI Reviewing	EM/RR subsystems lose coherency after DB failover
<u>523</u>	2/25/2008	SwRI Reviewing	EM Update Issue - RPG Plan item "Item with the same key" error This occurred in D6 today as well (see issue 546, which will be closed as a duplicate issue and refer to this original one).
<u>527</u>	2/26/2008	SwRI Reviewing	AVL/RR vehicles get put and stuck on-scene when cancelled
<u>536</u>	2/28/2008	SwRI Reviewing	GUI Performance Problems
<u>541</u>	2/29/2008	SwRI Addressing	Remap of TSS links caused loss of TVT/alarm threshold data
<u>550</u>	3/7/2008	More Information Requested	Servers hosting SAN share crashing
<u>552</u>	3/11/2008	More Information Requested	General System Errors
<u>553</u>	3/11/2008	SwRI Reviewing	GUI Performance Problems at D6 - Related to #536 from D4
<u>554</u>	3/12/2008	SwRI Reviewing	Some Reports do not work. May relate to 376, 381, 431, 501



Footprints Issues: Bugs



<u>225</u>	6/13/2007	More Information Requested	SAS Subsystem Requires Restart
<u>233</u>	6/27/2007	SwRI Reviewing	SunGuide Keeps Connections to CCTV Cameras Open when not in use
<u>260</u>	7/18/2007	More Information Requested	Queue behavior with unapproved words and response plans
<u>312</u>	10/2/2007	More Information Requested	DMS signs not working after dimmer circuit breaker flips until polled by vendor software (CCS)
<u>315</u>	10/2/2007	More Information Requested	DMS signs on dialup don't all work at the same time
<u>316</u>	10/2/2007	SwRI Reviewing	Video Switching waits on broken camera. Seems to affect all tours.
<u>318</u>	10/2/2007	More Information Requested	Dwell time inaccurate in tours
<u>326</u>	10/15/2007	SwRI Reviewing	Video switching gui doesn't retrieve status of existing switched connections



Footprints Issues: Bugs



<u>349</u>	11/12/2007	More Information Requested	Database unable to accept connections from tns listener
<u>360</u>	11/21/2007	More Information Requested	DMS fails to retrieve data after reconfiguring dms sign to type vs1
<u>361</u>	11/27/2007	SwRI Reviewing	Sunguide showing false Pixel errors on Signs
<u>389</u>	1/16/2008	SwRI Reviewing	Data Archive not recording TSS detector ID for SunGuide detectors
<u>398</u>	1/16/2008	SwRI Reviewing	EM "No CCTV" checkbox should be unchecked by default
<u>417</u>	1/18/2008	More Information Requested	American Dynamics Cameras cannot be nudged
<u>440</u>	1/30/2008	SwRI Reviewing	TSS detectors on same ip/port and different (drop) addresses not working simultaneously
<u>450</u>	2/1/2008	SwRI Reviewing	AD Camera's unable to PTZ until driver is restarted



Footprints Issues: Bugs



<u>456</u>	2/1/2008	SwRI Reviewing	Versioning in Install dialog
<u>457</u>	2/1/2008	SwRI Reviewing	Plain text passwords within install dialog
<u>477</u>	2/8/2008	SwRI Reviewing	Response Plan DMS Items not sorted
<u>487</u>	2/12/2008	SwRI Reviewing	Cannot modify Report Group Name in admin editor
<u>488</u>	2/12/2008	SwRI Reviewing	Cannot modify report name in admin editor
<u>489</u>	2/12/2008	SwRI Reviewing	Cannot Delete Report from report group in admin editor
<u>495</u>	2/13/2008	SwRI Reviewing	Events not flushing after an hour of being closed
<u>503</u>	2/18/2008	SwRI Reviewing	Question about Traffic_Flow_Monthly Report
<u>506</u>	2/18/2008	More Information Requested	VisioPaD created event appeared later in the day



Footprints Issues: Bugs



<u>521</u>	2/22/2008	SwRI Reviewing	VisioPaD alert didn't disappear for one operator
<u>524</u>	2/25/2008	More Information Requested	Alert sound occasionally is loud distortion
<u>525</u>	2/25/2008	More Information Requested	.NET Error
<u>528</u>	2/26/2008	More Information Requested	Numerous DMS Signs Error at once, possibly MAS problem?
<u>529</u>	2/26/2008	SwRI Reviewing	Unable to audit event to remove timestamp
<u>530</u>	2/26/2008	SwRI Reviewing	Report period for Weekly Performance Measures report wrong?
<u>533</u>	2/27/2008	SwRI Reviewing	One of the Audit features for EM does not work
<u>534</u>	2/27/2008	SwRI Reviewing	Reports only generate for PDF not Word or Excel
<u>537</u>	2/28/2008	SwRI Reviewing	EM Event does not have any signs that we can Assign to the event



Footprints Issues: Bugs



<u>538</u>	2/29/2008	More Information Requested	Two Emails in suggestion
<u>542</u>	2/29/2008	SwRI Reviewing	Right Shoulder Blockage described as "Left Shoulder Blocked"
<u>547</u>	3/6/2008	SwRI Reviewing	EM Congestion section missing Reference points
<u>555</u>	3/12/2008	SwRI Reviewing	Subsystems don't authenticate on startup
<u>557</u>	3/12/2008	More Information Requested	Camera's snapshots sorting on the website stops until restart of webserver



Footprints Issues: Enhancements



<u>51</u>	6/6/2006	SwRI Addressing	TVT messages with multiple destinations but missing data
<u>101</u>	11/30/2006	More Information Requested	Detectors reporting 0-0-0 for both no vehicles (empty roadway), and stopped vehicles (congestion)
<u>102</u>	11/30/2006	SwRI Reviewing	Allow 'failed' devices to still periodically poll
<u>116</u>	1/18/2007	SwRI Reviewing	Improvement to Admin Editor device pages
<u>183</u>	4/11/2007	Needs FDOT Approval	Admin Editor/IM/Deveice Templates/Road Closed Template
<u>186</u>	4/13/2007	More Information Requested	NIML Detector Recommended Configuration
<u>214</u>	5/16/2007	Needs FDOT Approval	Running SunGuide GUI without opening the map
<u>216</u>	5/17/2007	Needs FDOT Approval	Allow events to specify multiple directions
<u>217</u>	5/17/2007	Needs FDOT Approval	Add "Diversion" capability to Event Management



Footprints Issues: Enhancements



<u>222</u>	6/4/2007	Needs FDOT Approval	Need character limitation increased from 30 to 50
<u>232</u>	6/27/2007	Needs FDOT Approval	Admin Editor manufacturer pick lists
<u>266</u>	7/20/2007	Needs FDOT Approval	DMS Temp Error
<u>270</u>	7/24/2007	Needs FDOT Approval	Wavetronix HD working in Sunguide
<u>271</u>	7/24/2007	Needs FDOT Approval	DMS Message activation using "Detailed DMS Status" dialog
<u>283</u>	8/6/2007	Needs FDOT Approval	CCTV Auto Focus
<u>286</u>	8/9/2007	Needs FDOT Approval	SAS Subsystem: Admin editor permission to allow/deny Terminate Plan
<u>287</u>	8/9/2007	Needs FDOT Approval	Camera-by-Camera Setting
<u>300</u>	8/30/2007	Needs FDOT Approval	SAS Subsystem
<u>304</u>	9/10/2007	Needs FDOT Approval	Arrival Timestamp for AVL/RR Interface



Footprints Issues: Enhancements



<u>305</u>	9/11/2007	Needs FDOT Approval	Admin Editor should check input strings for legality
<u>306</u>	9/18/2007	More Information Requested	DMS unable to post messages without vendor software clearing error buffer
<u>317</u>	10/2/2007	Needs FDOT Approval	DMS GUI should show the communication with the signs to aid in understanding why DMS signs are failing
<u>339</u>	10/30/2007	Needs FDOT Approval	Add "remind" message box in SunGuide
<u>357</u>	11/17/2007	Needs FDOT Approval	Change behavior of "Blank Sign" button on DMS Detailed Status screen
<u>384</u>	1/14/2008	Needs FDOT Approval	Event Manager Enhancement suggestions from Jason Summerfield
<u>386</u>	1/14/2008	SwRI Reviewing	SunGuide R3.0.2 Enhancement Requests
<u>402</u>	1/16/2008	Needs FDOT Approval	Response Plans for Cleared Lanes
<u>411</u>	1/17/2008	SwRI Reviewing	CCTV/preset entry forces event active



Footprints Issues: Enhancements



<u>412</u>	1/17/2008	Needs FDOT Approval	Incorrect DMS Radius - RPG Severity
<u>425</u>	1/24/2008	SwRI Addressing	511 link report change pop-up is back
<u>426</u>	1/24/2008	SwRI Reviewing	Change displayed field for Reference points in EM
<u>427</u>	1/24/2008	Needs FDOT Approval	Allow configurable event type wording for RPG
<u>430</u>	1/28/2008	Needs FDOT Approval	Status bar recommended
<u>435</u>	1/29/2008	Needs FDOT Approval	TvT Route ID too short for 511 Drive-Time Routes
<u>442</u>	1/30/2008	More Information Requested	Travel Time links continue to post after OOCEA data feed has no data for TSS links
<u>447</u>	1/31/2008	Needs FDOT Approval	ability to "disable/cease use" of entire roadway
<u>448</u>	1/31/2008	Needs FDOT Approval	ability to manipulate sorting of roadway



Footprints Issues: Enhancements



<u>449</u>	1/31/2008	Needs FDOT Approval	EMPM Location of Exit Drop down list should be altered to allow view of text.
<u>460</u>	2/5/2008	SwRI Reviewing	Performance Measures RS: reported date range wrong
<u>464</u>	2/6/2008	Needs FDOT Approval	Add DMS to Plan w/o Library Search
<u>482</u>	2/12/2008	SwRI Addressing	Severe: Users w/o DMS/MAS perms can send msgs via RPG
<u>483</u>	2/12/2008	More Information Requested	RPG wording when handling Ramps
<u>485</u>	2/12/2008	Needs FDOT Approval	User Group Permission Changes
<u>493</u>	2/13/2008	Needs FDOT Approval	DMS Virtual Driver
<u>497</u>	2/15/2008	Needs FDOT Approval	Counties grayed out on the Congestion area of EM
<u>498</u>	2/18/2008	Needs FDOT Approval	Cloned Event Emails



Footprints Issues: Enhancements



<u>516</u>	2/21/2008	SwRI Reviewing	CCTV selected and preset should be copied on event clone
<u>526</u>	2/26/2008	More Information Requested	Video Switch
<u>540</u>	2/29/2008	SwRI Reviewing	File versioning confusion
<u>543</u>	2/29/2008	SwRI Reviewing	Missing Vehicle Involved in Chronology Report
<u>548</u>	3/6/2008	SwRI Reviewing	Reporting subsystem should filter and/or sort location options



Footprints Issue 101 & 503



- **Footprints #101**
 - Reported by D4 (Vahle)
 - Detector reports 0-0-0 for SOV
 - When no traffic
 - With stopped traffic
 - Different manufacturers report different results
- **Footprints #503**
 - Reported by D2 (Summerfield)
 - “Non-sensical” values for travel time



Travel Time: Issue on the Table



- Refer to SunGuide White Paper for how travel times are currently computed (there are various tunable parameters that influence Travel Time computation):
 - Using SunGuide Travel Times, ver: SunGuide-UTVT-1.0.3
- Issue: What should be done with “zero” data (this is for both probe as well as point speed), this can occur:
 - During “sparse” traffic
 - Failing detector
- Current SunGuide solution (3.0): when the TvT calculation is being performed the “speed limit” is used to replace zeros
- Release 4.0 Requirement:
 - TM004T2 - Travel time computations shall use speed values greater than zero (0)



Questions to be answered...



- When too many “zeros” cause not enough data to generate travel times what should be done? Options include:
 - SunGuide should automatically “change” to free flow values (no operator interaction) – change back when data is available
 - SunGuide should prompt an operator to verify changing to free flow values
 - Should the system make a default choice on how to handle the condition if the alert is not resolved by an operator in an appropriate amount of time?
 - Does a separate alert need to be made for each consecutive time that the condition is reached? Or is only one alert needed until conditions change and revert back to normal operations?
- If SunGuide uses free flow values, what should be done about:
 - Archived data (csv files for CDW):
 - Are the zeros archived?
 - Are the free flow values archived?
 - ODS (report) data:
 - Are the zeros written to ODS?
 - Are the free flow values written to ODS?
 - C2C:
 - SunGuide will send out the “free flow” values as opposed to the “real values” (this implies the data feed to FL-ATIS will be consistent with the messages being displayed)



Change Management Board



SunGuide Software Release 3.1 Requirements to Support I-95 Express

David Chang



SunGuide™ Release 3.1



- **Requirements developed between D6, D4, Turnpike, and CO**
 - Iterative Process over last 6 months produced 176 requirements
 - Coordinated with concurrent ConOps development
 - High level of detail needed to meet aggressive project schedule
- **SITSA Update Unanimously Approved by CMB at 12/11/07 Meeting**



SunGuide™ Release 3.1



- ConOps final draft was delivered on 3/7/2008 and will remain work in process.
- R3.1 FAT Scheduled for April 2008
- R3.1 Deployment to D6 in May 2008



SunGuide™ Release 3.1



- **Pricing Subsystem**
 - Variable Time of Day
 - Manual Incident Override
- **Toll Viewer**
- **DMS Enhancements**
- **EM Enhancements**



SunGuide™ Release 3.1



- Requirements set is in handout.
- Cost: \$ 221,622.
- **Vote**

Consultant Services for SunGuide™,
the Statewide Transportation Management
Center Software Library System

**Standard Written Agreement
Modification #15 for
SunGuide™ Software Release 3.0, 3.1
and 4.0**

FDOT Contract BD 826



Prepared for:

Florida Department of Transportation
Traffic Engineering and Operations Office
Intelligent Transportation Systems (ITS) Section
605 Suwannee Street, M.S. 90
Tallahassee, Florida 32399-0450
(850) 410-5600

February 19, 2008



Florida Department of Transportation

**SUNGUIDE SOFTWARE REQUIREMENTS FOR 95 EXPRESS
LANES PHASE 1 - VERSION 4.0**

DETAILED REQUIREMENTS

FEBRUARY 1, 2008





Change Management Board



SunGuide Software Release 4.0 Requirements to Support FL-ATIS

Erik Gaarder



Florida Modified SAE J2540 Code



- **Florida Modified SAE J2540 Code:**
 - The selection changed from the drop – down list to automated; and
 - Based on *FDOT Modified SAE Code Sequencing 02 15 2008 V7.xls*



Florida Modified SAE J2540 Code – Cont.



- **Modified Requirements (in SWAM #15):**
 - **DF022F SunGuide Data Fusion shall automatically select FDOT modified SAE J-2540 codes that describe an event.**
 - **DF006F1 The information shall be passed to the IDS using FDOT Modified SAE J2540 codes, EM Location references and other standard traveler information codes to the maximum extent possible.**
 - **S017 The FL-ATIS 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). FDOT modified SAE J2540 codes shall be used to capture event information**



Florida Modified SAE J2540 Code – Cont.



- **Modified Requirements (in SWAM #15):**
 - **DF001C** The Data Fusion subsystem shall use 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) using FDOT modified SAE J2540 codes to capture event information for transmission to the IDS.
 - **DF006G** A window on the SunGuide GUI shall display the interpreted text of the traveler information message upon operator request.



Florida Modified SAE J2540 Code – Cont.



- Deleted Requirements (in SWAM #15):
 - **XDF003G** The Graphical User Interface component shall provide a SunGuide operator the ability to assign at least one and up to four SAE codes to any SunGuide event obtained from the SAE Surface Vehicle Standard J-2540-1 issued July 2002.
 - **XDF003G1** Up to three SAE codes shall be able to be selected from Table 2 Body Elements of the Non-Nested RDS Table (in ASCII) of SAE J-2540-1 standard.
 - **XDF003G2** A fourth SAE code shall be able to be selected from Table 11 Body Elements of the Non-Nested Extended Phrases Table of SAE J-2540-1 standard.



Florida Modified SAE J2540 Code - Cont.



- **Cost \$13,469**
- **Vote**



DFS Requirement Mod.



- **DFS Requirements Modification:**
 - **DF011G - Weather information shall be included by operator verification of **weather alerts** and weather event creation and shall pertain to specific counties/**roadways** in **Florida or specific EM locations**.**
 - **DF011G2 - The GUI shall allow the operator to view and edit the event that is created from a weather alert that is received from the **automated weather alert feed** before the event is allowed to become part of the DFS output to the IDS.**



DFS Requirement Mod. – Cont.



- **DFS Requirements Modification:**
 - **DF020** The Data Fusion Subsystem shall incorporate weather conditions by exception when an event is of such critical nature that it needs to be included in the Traveler Information.
 - **DF020F** The Data Fusion component shall generate events for weather alerts which will be provided at the **county/roadway** level if an operator accepts the weather alert and associates an EM location with it.
 - **DF020F1** The Data Fusion component shall send weather events to the IDS using the C2C.



DFS Requirement Mod. – Cont.



- **DFS Requirements Modification:**
 - **DF004G** The Graphical User Interface component shall allow a SunGuide operator to locate an event by selecting a location from a menu of EM locations, optionally designating offset distance from the location if required or by clicking on a specific location on the SunGuide operator map.
 - **DF004G4** SunGuide shall report an offset distance when publishing an event to C2C. Distance \leq one mile shall be reported to the nearest quarter mile; distance $>$ one mile and \leq five miles shall be reported to the nearest half mile; distance $>$ five miles and \leq 10.5 miles shall **be** reported to the nearest mile and distance $>$ 10.5 miles shall **be** reported as **greater than** 10 miles.
 - **DF005G** The icons for events that have been marked as “publishable as Traveler information” shall be modified to visually depict that the event is being published to the traveler information providers.



DFS Requirement Mod. – Cont.



- **DFS Requirements Modification:**
 - **DF006F3** For incidents and events, the Data Fusion component shall include the following fields in its output if the event or incident is within defined geographic boundaries for:
 - City
 - County
 - Metro AreaOtherwise null data shall be provided in the fields.
 - **DF010F** The Data Fusion Component shall associate events with their severity and process the events in order of the most **severe** first and the routine last.
- **New Requirements:**
 - **DF023F** SunGuide shall access the DTN automated feed using a “web method” that connects to a DTN server via the public Internet.
 - (Traceability: S010 - DF020 - DF023F)



DFS Requirement Mod. – Cont.



- **New Requirements:**
 - **DF001E** The SunGuide Administrative Editor shall allow primary and alternate roads (along with descriptions) to be maintained for each EM Location.
- **Vote**



DFS Requirement Mod. – Cont.



- **New Requirements:**
 - **DF002E** A SunGuide operator shall be able to select either a primary or secondary alternative road if configured for the location of the event that the operator selected.
 - **DF002E2** When an alternative road is presented for operator selection a description shall be displayed if available.



DFS Requirement Mod. – Cont.



- **Requirements to be deleted:**
 - **DF016G2** The GUI shall be configured so that a supervisor or administrator can enter information for another District provided the other District agrees.
 - **DF026G** A monitoring display shall display the current Floodgate status for each “floodgate category,” allowing the operators to see which floodgate categories have messages and their status (barge-in on/off) as well as any other parameters that they might be able to set.



DFS Requirement Mod. – Cont.



- **Discussion**
 - **Potential Future Weather requirements**
 - **Potential Future Floodgate requirements**
- **Vote**



Floodgate Screens and C2C



- **Enhanced Floodgate Screens and C2C Support (in SWAM 15):**
 - **DF027G** The SunGuide floodgate GUI shall allow the operator to select severity, region, county, roadway and **road segment , transit entity** for each floodgate message.
 - (Traceability: S010 – DF031-DF027G)
 - **DF028G** The SunGuide floodgate GUI shall support two sound files and two banner messages for each floodgate message.
 - (Traceability: S010 – DF031-DF028G)
 - **DF005C** The SunGuide Center –to-Center interface shall support the exchange of floodgate information entered by an operator via the GUI.
 - (Traceability: S010 – DF031-DF005C)
- **Cost \$37,220**
- **Vote**



Change Management Board

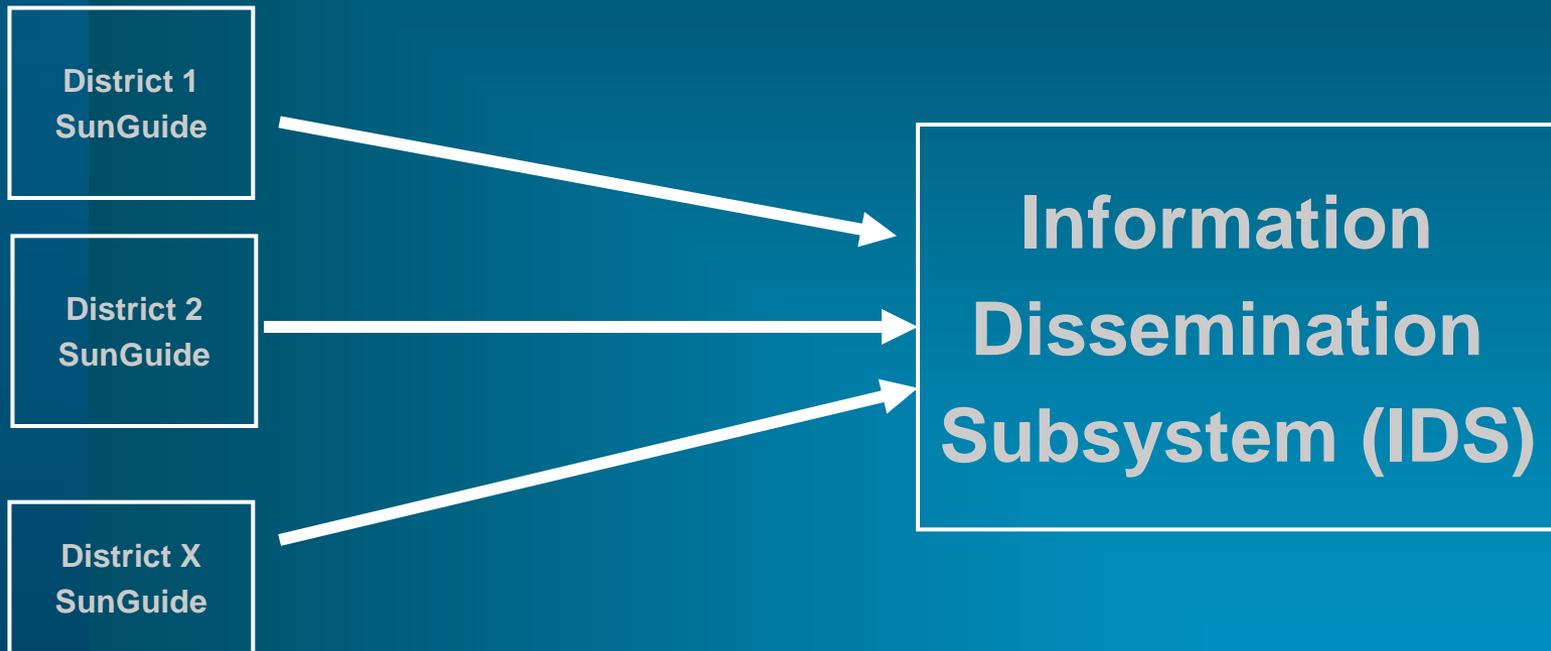


SunGuide Software Release 4.0 Statewide Standard Event & Vehicle Type Lists

Erik Gaarder



Statewide Standard Event & Vehicle Type Lists



Florida Statewide ATIS



Statewide Standard Event & Vehicle Type Lists



Event Types

SHORT_NAME	LONG_NAME	SORT_ORDER	DESCRIPTION
Abandoned Vehicle	Abandoned Vehicle	10	3
Accident	Accident	20	1
Amber Alert	Amber Alert	30	12
Bridge Work	Bridge Work	40	9
Congestion	Congestion	50	6
Debris on Roadway	Debris on Roadway	60	5
Disabled Vehicle	Disabled Vehicle	70	2
Emergency Vehicles	Emergency Vehicles	90	14
Off Ramp Backup	Off Ramp Backup	100	16
Pedestrian	Pedestrian	105	Pedestrian



Statewide Standard Event & Vehicle Type Lists



Event Types – Cont.

SHORT_NAME	LONG_NAME	SORT_ORDER	DESCRIPTION
Police Activity	Police Activity	110	10
PSA	PSA	115	Public Service Announcement
Emergency Road Work	Road Work - Emergency	120	8
Scheduled Road Work	Road Work - Scheduled	130	7
Special Event	Special Event	140	11
Vehicle Alert	Vehicle Alert	145	Vehicle Alert
Vehicle Fire	Vehicle Fire	150	15
Visibility	Visibility	160	18
Weather	Weather	170	17
Other	Other	180	13
Interagency Coord	Interagency Coordination	200	19
Evacuation	Evacuation	172	
Flooding	Flooding	171	



Statewide Standard Event & Vehicle Type Lists



Vehicle Type

SHORT_NAME	LONG_NAME	SORT_ORDER
Tractor/Trailer	Tractor/Trailer	10
Tanker	Tanker	20
Other Commercial	Other Commercial	30
Car/Van/SUV/Etc.	Car/Van/SUV/Etc.	40
Motorcycle	Motorcycle	50
Emergency	Emergency	60
Bus	Bus	70
Other	Other	80
Dump Truck	Dump Truck	90
Road Ranger	Road Ranger	100
SIRV	SIRV	110



Change Management Board



SunGuide Software Response Plan Enhancement

Trey Tillander



SG Response Plan Enhancement



- **New DMS Messaging and Response Plan needs requested by multiple Districts**
 - Reflects expanding and maturing RTMC Operations
 - D2 – Footprints Nos. 426, 427, 483
 - D4 – Footprints Nos. 402, 412, 464, 482, 491, 498
 - D6 – Footprints No. 183
- ***Disclaimer:* since enhancement requests entered by different Districts at different times they may not be consistent**



SG Response Plan Enhancement



Progress to Date:

- **D6 developed proposed enhancement to the SunGuide RPG**
 - Addresses Footprints No. 491
 - Footprints No. 426 also very closely related
- **“Kicked-off” at 2/28/08 FDOT ITS Engineers telecon**
- **Discussed at 3/11/08 SSUG meeting**



SG Response Plan Enhancement



Proposed Action Plan:

- Step back to what is the current/future operational need for:
 - DMS Messaging
 - 511 Info Dissemination
 - E-mail notifications
 - Dissemination over HAR and web site



SG Response Plan Enhancement



Proposed Action Plan (continued):

- Review in context of:
 - TMC operational responsibilities
 - Statewide consistency of traffic information to the motorist
 - Implies a higher level of service for information dissemination
 - Impacts to other projects (i.e., FL ATIS, etc.)



SG Response Plan Enhancement



Proposed Action Plan (continued):

- **Document the operational needs**
 - Translate into Response Plans
 - Translate into functional needs for RPG
- **Concurrently, develop Draft ConOps**
 - Build off D6 document
 - Volunteers?



SG Response Plan Enhancement



Proposed Action Plan (continued):

- CMB Review ConOps
- Finalize the ConOps and concurrently develop draft requirements
- CMB reviews and votes on requirements.
- Implement the RPG Enhancement



SG Response Plan Enhancement



- Discussion?



Change Management Board



Closing and Action Item Review

Steve Corbin