



SunGuide[®] Software Change Management Board

August 30, 2022



Welcome and Call for Quorum

Amy DiRusso, P.E., FDOT D3
CMB Chairman



CMB Voting Members

1. District 1 – Steven Davis (Alternates – Robbie Brown and Renjan Joseph)
2. District 2 – Alex Varela (Alternate – Dee Dee Johnson)
3. District 3 – Greg Reynolds (Alternate – Mark Nallick)
4. District 4 – Mauricio Micolta (Alternate – Alexandra Lopez)
5. District 5 – Tricia Ballard (Alternates – Tushar Patel and Jeremy Dilmore)
6. District 6 – Javier Rodriguez (Alternate – Alejandro Motta)
7. District 7 – Megan Arasteh (Alternates – Edward Albritton and Bruce Wolny)
8. Florida's Turnpike Enterprise (FTE) – Eric Gordin (Alternates – John Easterling and Gregory Cacioppo)
9. State Traffic Engineering and Operations (TEO) Office – Christine Shafik (Alternate – Derek Vollmer)
10. Miami-Dade Expressway Authority (MDX) – Wang Lee (Alternate – Gary Lau)
11. Central Florida Expressway Authority (CFX) – Brent Poole (Alternate – Bryan Homayouni)



Agenda



Time	Item	Lead
1:00 – 1:05	Welcome and Call for Quorum	Amy DiRusso
1:05 – 1:10	Previous Meeting Action Items	Amy DiRusso
1:10 – 1:15	SunGuide Software Update	Christine Shafik
1:15 – 1:25	<u>Enhancement #1</u> SG-1053 - Add filter in reports for "Comment Type" and Comment keyword search & SG-4784 - Keyword search for Reports (VOTE)	Tucker Brown
1:25 – 1:35	<u>Enhancement #2</u> SG-4989 - Alternative Travel Time Messages (VOTE)	Tucker Brown
1:35 – 1:45	<u>Enhancement #3</u> SG-5488 - Ability to Associate and De-associate Multiple FHP # to Same Event (VOTE)	Tucker Brown
1:45 – 1:55	<u>Enhancement #4</u> SG-6038 - Additional parameters in RS (VOTE)	Tucker Brown



Agenda



Time	Item	Lead
1:55 – 2:05	<u>Enhancement #5</u> SG-6202 - Audible alert for SPARR created events (VOTE)	Tucker Brown
2:05 – 2:15	<u>Enhancement #6</u> SG-6256 - Road Ranger Allowed Stop Time (VOTE)	Tucker Brown
2:15 – 2:25	<u>Enhancement #7</u> SG-6139 - Grouping of Operator Map Icons Enhancement (VOTE)	Tucker Brown
2:25 – 2:35	<u>Enhancement #8</u> SG-6366 - RISC Module popups should be configurable (VOTE)	Tucker Brown
2:35 – 2:45	<u>Enhancement #9</u> SG-5508 - Make "Off ramp Backup" and "Congestion" available as options when planning events (VOTE)	Tucker Brown
2:45 – 2:55	<u>Enhancement #10</u> SG-5805 - Add additional messaging options for TPS signs (VOTE)	Tucker Brown



Agenda



Time	Item	Lead
2:55 – 3:05	<u>Enhancement #11</u> SG-6189 - TPS - Send Corrected Availability & SG-4404 - Update TPS DMS when Spaces available updated (VOTE)	Tucker Brown
3:05 – 3:15	<u>Enhancement #12</u> SG-6355 - Security improvements (VOTE)	Tucker Brown
3:15 – 3:25	<u>Enhancement #13</u> SG-5832 - Response Plan Email (VOTE)	Tucker Brown
3:25 – 3:35	FYI: FDLE Alerts	Tucker Brown
3:35 – 3:55	Open Discussion	
3:55 – 4:00	Review of Action items	Amy DiRusso



Previous Meeting Action Items

Amy DiRusso, P.E., FDOT D3

CMB Chairman



Previous Meeting Action Items

Owner	Action Item
Christine Shafik	Update List of Voting Members in the revised Change Management Board Process for Enhancement to SunGuide® Software and post online.



SunGuide Software Update

Christine Shafik, PE, PMP, CPM, FCCM, FCCN, CGB
FDOT State TSM&O Software Engineer



Recent SunGuide Releases

- CO gave the go-ahead for statewide deployment of R8.1 in production on 12/16/2021.
- R8.1 HF1 was released to districts on 1/11/2022.
- R8.1 HF2 was released to districts on 4/19/2022.
- R8.1 HF3 was released to districts on 5/20/2022.



SunGuide Release 8.2

- IV&V Dry Runs are currently underway at the TERL.
- After successful completion of IV&V, District 6 will test and operate a pilot deployment of R8.2 before statewide release.
- Anticipate statewide release in the fall.



SunGuide Release 8.2

- TPAS count verification prompt and report
- Ceased Use for EM and AVLRR items
- Configuration dialogs items can be saved despite errors in other items
- Maintenance Mode for WWD Sites
- Timestamp when Executive Notifications are sent
- Chronology Reports can be generated in sections of interest
- Notification to SwRI when Operator Maps crash
- Also includes a few bug fixes



SunGuide Releases 8.1 HF 4 / 8.2 HF 1

- Currently 22 bug fixes and counting
- Bug Fixes include:
 - WWD detection alerts
 - Scheduled actions
 - DMS configuration and messaging
 - Response Plan editing
 - Reports
 - And more...



QUESTIONS?

COMMENTS?



SunGuide Enhancement Voting



Enhancement #1:

SG-1053 - Add filter in reports for
"Comment Type" and Comment
keyword search

SG-4784 -Keyword search
for Reports

Tucker Brown



Enhancement



- Add a “Comment Type” filter to Reporting that could be added to reports.
- Add a “Keyword” filter to Reporting that could be added to reports.
- Add the keyword filter and comment types filter to the Event Chronology Report to search for specific words or phrases in the event chronology.



LOE



- Estimate: \$4k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOiG>

Enhancement #1: SG-1053 - Add filter in reports for "Comment Type" and Comment keyword search & SG-4784 -Keyword search for Reports



Enhancement #2:

SG-4989 - Alternative Travel Time Messages

Tucker Brown



Current Behavior



- SunGuide allows travel time messages to be prioritized per sign.
- If travel time has two destinations and one is unavailable, the unavailable one is removed, and the message is displayed.
 - If both are unavailable, SunGuide will go to the next template.

Current Behavior

- Example Template setup for A, B, C, D destinations:
 - A and B
 - B and C
 - C and D
 - D
- If A is bad, B ONLY is displayed.
- If B is bad, A ONLY is displayed.
- If A and B are bad, C ONLY is displayed.
- If A, B, and C are bad, D ONLY is displayed.

Enhancement

- If more than one destination is in a template, the whole template would fail if one were unavailable.
- Example Template setup for A, B, C, D destinations:
 - A and B
 - B and C
 - C and D
 - D
- If A is bad, B AND C is displayed.
- If B is bad, C AND D is displayed.
- If A and B are bad, C and D is displayed.
- If A, B, and C are bad, D ONLY is displayed.



LOE



- Estimate: \$3k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOis>

Enhancement #2: SG-4989 - Alternative Travel Time Messages



Enhancement #3:

SG-5488 - Ability to Associate and
De-associate Multiple FHP #
to Same Event

Tucker Brown



Current Behavior and Enhancement



- Current Behavior
 - A single FHP CAD # is available when working an event.
 - Reporting on FHP CAD # is based on a single field.

- Enhancement
 - Allow a list of FHP CAD #s to be submitted as part of the event.
 - Allow users to add and remove FHP CAD #s from the event while it is still open (without audit).
 - Report on event where ANY of the FHP CAD #s match the search criteria.



LOE



- Estimate: \$23k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOiz>

Enhancement #3: SG-5488 - Ability to Associate and De-associate
Multiple FHP # to Same Event



Enhancement #4: SG-6038 - Additional parameters in RS

Tucker Brown



Enhancement



- Add Reporting Parameters for Weather Conditions:
 - Road Surface
 - Weather
 - Lighting

- Add the parameters to the Event Chronology Report.



LOE



- Estimate: \$9k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOi7>

Enhancement #4: SG-6038 - Additional parameters in RS



Enhancement #5: SG-6202 - Audible alert for SPARR created events

Tucker Brown



Current Behavior and Enhancement



○ Current Behavior

- In the previous release, events created by SPARR would be pushed into a specific section of the Event List.

○ Enhancement

- Include an optional and configurable audible alert along with the event creation so operations is aware the event was added.
 - Each subsystem would have its own optional sound.
 - Road Ranger status changes would also generate an optional sound.



LOE



- Estimate: \$24k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjB>

Enhancement #5: SG-6202 - Audible alert for SPARR created events



Enhancement #6: SG-6256 - Road Ranger Allowed Stop Time

Tucker Brown



Current Behavior and Enhancement



- Current Behavior
 - Administrators can set up the allowed Stop Time for an AVL vehicle.
 - Stop Time is only counted when a vehicle is not arrived at an event.

- Enhancement
 - Allow administrator to set the Stop Time for vehicles ARRIVED at an event (separate parameter).



LOE



- Estimate: \$15k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjE>

Enhancement #6: SG-6256 - Road Ranger Allowed Stop Time



Enhancement #7: SG-6139 - Grouping of Operator Map Icons Enhancement

Tucker Brown



Current Behavior and Enhancement



- Current Behavior
 - Icons are currently seen at all zoom levels in the Map.

- Enhancement
 - Add the ability to set the visibility of individual devices at certain zoom levels.
 - Similar to the Map Shields, with the ability to select a layer where the item first becomes visible.



LOE



- Estimate: \$28k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjO>

Enhancement #7: SG-6139 - Grouping of Operator Map Icons
Enhancement



Enhancement #8: SG-6366 - RISC Module popups should be configurable

Tucker Brown



Current Behavior and Enhancement



- Current Behavior
 - RISC popups are sent to all users with permissions to handle RISC.
 - Recent enhancements to Executive Notifications send the notifications to specified users (not all that have permission).

- Enhancement
 - Request is to make the RISC popups behave in a similar manner to the Executive Notification changes.



LOE



- Estimate: \$3k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjT>

Enhancement #8: SG-6366 - RISC Module popups should be configurable



Enhancement #9: SG-5508 - Make "Off ramp Backup" and "Congestion" available as options when planning events.

Tucker Brown



Current Behavior and Enhancement



- Current Behavior
 - There is a specific list of event types that are available to use when doing planned events.

- Enhancement
 - Add “Off Ramp Backup” and “Congestion” to the list of plannable events.



LOE



- Estimate: \$1k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjY>

Enhancement #9: SG-5508 - Make "Off ramp Backup" and "Congestion" available as options when planning events.



Enhancement #10: SG-5805 - Add additional messaging options for TPS signs

Tucker Brown



Current Behavior and Enhancement



- Current Behavior
 - When a DMS is marked as a TPS sign, some functionality is not available in the standard DMS Status Dialog for these signs.
- Enhancement
 - Ability to blank or clear message on the sign.
 - Ability to refresh/resend message.
 - Send other messaging to the sign in case of closure or maintenance.

- Refer to MUTCD 2009 Edition Chapter 2L. Changeable Message Signs:
 - Section 2L.03 Legibility and Visibility of Changeable Message Signs
 - Section 2L.04 Design Characteristics of Changeable Message Signs
 - Section 2L.05 Message Length and Units of Information
- The size of the sign and the length of the message must be carefully considered.
- Mixed use of these signs may be confusing to drivers:
 - Truckers may miss the truck parking availability info they need while other messaging is displayed.
 - Motorists used to the sign displaying truck parking availability may not notice and respond to other messages.



LOE



- Estimate: \$3k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjh>

Enhancement #10: SG-5805 - Add additional messaging options for TPS signs



Enhancement #11:

SG-6189 - TPS - Send Corrected
Availability

SG-4404 - Update TPS DMS when
Spaces available updated.

Tucker Brown



Current Behavior and Enhancement



○ Current Behavior

- TPS area “Corrected Availability” is available on all areas.
- DMS update times are on a consistent interval (similar to Travel Times)

○ Enhancement

- Allow the administrator to select a flag on each area to allow sending Corrected Availability.
- Ensure Archive the username of the user who changes Corrected Availability.
- DMS and TPS counts should update at the same time on any change to the TPS counts.



LOE



- Estimate: \$20k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjk>

Enhancement #11: SG-6189 - TPS - Send Corrected Availability &
SG-4404 - Update TPS DMS when Spaces available updated.



Enhancement #12: SG-6355 - Security improvements

Tucker Brown

Enhancement

- Secure interprocess communications (TLSv3)
 - Encryption support by software.
 - Might need changes to Java processes
- Replace MD5 hashes for password with something more secure
 - Add more to the hashing to make it unique even for the same username/password
- Password complexity requirements
 - Characters, length, password history, expirations



LOE



- Estimate: \$100k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjn>

Enhancement #12: SG-6355 - Security improvements



Enhancement #13: SG-5832 - Response Plan Email

Tucker Brown

Current Behavior

- Contact Groups do not have a sort order.
- There is no way to reorder how Email Groups are sorted in the response plan.

Contact Group Configuration

Name	Receive Wrong Way Driver Emails
Executive Notification	<input type="checkbox"/>
High Profile	<input type="checkbox"/>
Level 2 and 3	<input type="checkbox"/>
Road Ranger	<input type="checkbox"/>
Test	<input type="checkbox"/>

Included Contacts:

First Name	Last Name
Executive	Alerts

Available Contacts:

First Name	Last Name
Ollie	Jones
On Call	Roadway
Open Roads	Recovery
OR	1
OR	2
OR	3
OR	5
OR	6
OR_	4
Orange County	Sheriff
Orlando	Ops

No changes are unsaved.

0 0 0 0 No status messages reported.

Subject:

Title:

Location:

Body:

Sensitive:

Footer:

All Email Groups:

- Executive Notification
- High Profile
- Level 2 and 3
- Road Ranger
- Test

Selected Email Groups:

Selected Email Addresses:

Addresses in Selected Email Groups:

Email Address	Group Name	Sens.
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Enhancement



- Add sort order to Contact Groups, and sort them in any dialog that displays Contact Groups.



LOE



- Estimate: \$11k



QUESTIONS?

COMMENTS?



VOTE NOW

Select the link for: <https://questionpro.com/t/ABslzZuOjs>

Enhancement #13: SG-5832 - Response Plan Email



Non-Voting Items



FYI:

New FDLE Alert Event Type

Tucker Brown

Current Missing Persons Alerts

- **AMBER Alert** - America's Missing: Broadcast Emergency Response
- This alert can be used to notify the general public of critical information regarding a child who has been abducted and is endangered,
- **Missing Child Alert** - This alert can be used when a child is missing and law enforcement has reason to believe that his/her life is in danger, but there is no indication that the child has been abducted.
- **Silver Alert** - This alert can be used to locate missing persons suffering from an irreversible deterioration of intellectual faculties.

Current Missing Persons Alerts

- **Purple Alert** - This alert can be used to locate missing a missing adult who has a mental or cognitive disability that is not Alzheimer's or Dementia, an intellectual or developmental disability, a brain injury, or another physical, mental, or emotional disability not related to substance abuse.
- This new alert type prompted SG-6347 – Addition of FDLE Alert Type to Replace AMBER, LEO, and SILVER Alerts
- This enhancement has been presented to the SSUG and will be implemented in two parts:
 - Part 1 – Released as a script with no code changes
 - Part 2 – Code changes that would be released in the next Hotfix.

Blue and Missing Child Alerts

- **Blue Alert** - This alert can be used to notify the public of critical information when a law enforcement officer is killed, suffered serious bodily injury, or is missing while in the line of duty and the suspect, who is considered to pose an imminent threat to the public, is still at large.
- SunGuide has been using the term “LEO Alert”.
- To be consistent with the RTMC SOG and the FDLE program, this should be called a Blue Alert.
- **Are there any concerns about using Blue instead of LEO?**
- **Missing Child Alert is currently not an event type in SunGuide. Should this be added as an attribute? How are these currently handled?**



QUESTIONS?

COMMENTS?



Open Discussion

Amy DiRusso, P.E., FDOT D3
CMB Chairman



Review of Action Items

Amy DiRusso, P.E., FDOT D3

CMB Chairman

Have a Nice Day

