Welcome and Call for Quorum

Jay Williams, P.E., FDOT

CMB Chairman

Agenda

Time	Item	Lead
1:00 – 1:05	Welcome and Call for Quorum	Jay Williams
1:05 – 1:10	Previous Meeting Recap & Action Item Review	Jay Williams
1:10 – 1:30	SunGuide Software Update	Christine Shafik
1:30 – 1:35	SG-4771: TPS Report Diagnostics from TPS Devices	Greg Dudley
1:35 – 1:40	**Enhancement #1** RISC Enhancement (VOTE)	Mark Dunthorn
1:40 – 1:45	**Enhancement #2** RCA Enhancement (VOTE)	Tucker Brown
1:45 – 1:50	**Enhancement #3** SG-2640: Time Zone (VOTE)	Tucker Brown
1:50 – 1:55	**Enhancement #4** SG-5182: WAZE and Railroad Crossing (VOTE)	Tucker Brown

Agenda

Time	Item	Lead
1:55 – 2:00	**Enhancement #5** SG-5065: Add Support for Authentication via Active Directory (VOTE)	Mark Dunthorn
2:00 – 2:05	**Enhancement #6** SG-4985: Ability to Configure Response Plan Search Radius by Event Type (VOTE)	Tucker Brown
2:05 – 2:10	**Enhancement #7** SG-4760: Not Auto-Merging Scheduled Messages (VOTE)	Tucker Brown
2:10 – 2:15	**Enhancement #8** SG-4781: Request Update of Integrated VLC Libraries (VOTE)	Tucker Brown
2:15 – 2:20	**Enhancement #9** SG-4680: Ability to Save Filters for the Dialog in the User Settings (VOTE)	Tucker Brown
2:20 – 2:25	**Enhancement #10** SG-5086: TPS Facilities Start "Out of Service" (VOTE)	Tucker Brown
2:25 – 2:30	**Enhancement #11** SG-3769: Allow Sharing of Created VOD Tours and Layouts (VOTE)	Tucker Brown

Agenda

Time	Item	Lead
2:30 – 2:35	**Enhancement #12** SG-3745: Allow the Organization to be Selected within the "Add New Event" Dialog (VOTE)	Tucker Brown
2:35 – 2:40	**Enhancement #13** SG-2493: Icon Enhancement for Arterial DMS (VOTE)	Tucker Brown
2:40 – 2:45	**Enhancement #14** SG-3962: Add Open CCTV from Event List & Event Details Feature (VOTE)	Tucker Brown
2:45 – 2:50	**Enhancement #15** SG-1533: Allow Audit of Road Ranger Procedural Errors (VOTE)	Tucker Brown
2:50 – 2:55	**Enhancement #16** SG-4965: Add Support for Mileage Tracking in SPARR Interface (VOTE)	Tucker Brown
2:55 – 3:00	**Enhancement #17** SG-3688: Suppress Multiple Visibility Alerts Based on Configuration (VOTE)	Tucker Brown
3:00 – 3:05	**Enhancement #18** SG-4891: Unable to PTZ Cameras after CCTV Subsystem Restart (VOTE)	Tucker Brown

Agenda

Time	Item	Lead
3:05 – 3:10	**Enhancement #19** SG-4936: Add Roadway Filter to Monthly Performance Measures Report (VOTE)	Tucker Brown
3:10 – 3:15	**Enhancement #20** SG-3214: Inactive EM Location Not Available in Report Filters (VOTE)	Tucker Brown
3:15 – 3:55	Open Discussion	Jay Williams
3:55 – 4:00	Review Action Items	Jay Williams

Previous Meetings Recap and Action Items Review

Jay Williams, P.E., FDOT

CMB Chairman

Previous Meeting Action Items

Owner	Action Item
Dan Smith	Dan Smith to give us an update based on the hotfix being applied to the WWD.
Christine Shafik	Enhancement 3 – SG 4801: Discuss this item further at a SSUG meeting and then proceed with an online vote.
Mark Dunthorn	Mark Dunthorn to send out link to the SunGuide Users page for the Districts to review and send in updated information.
Christine Shafik	Christine Shafik to send out the AVL data.

QUESTIONS?

Jay Williams, P.E., FDOT

Jay.Williams@dot.state.fl.us

SunGuide Software Update

Christine Shafik, P.E., FDOT

Release 7.2

- Released 10/5/19

- Currently deployed in CFX, MDX, D1 and D5

- Hotfix 1 (fixes for 9 issues) testing completed and released on 2/26/20

Release 7.1.2

- Release 7.1.2 - Hotfix 3 - Released 03-09-20

Release 8.0

- 33 issues have been approved and authorized – development in process

Release 8.0

- District RISC and RCA ConOps comments – reviewed and approved at Central Office

- Voting by CMB today

- Release planned for November 2020

Future Release

- 15 more issues to be voted on today
- Scheduled to be released - TBD

QUESTIONS?

Christine Shafik, P.E., FDOT

Christine.shafik@dot.state.fl.us

SG-4771 TPS Report Diagnostics from TPS Devices

Gregory Dudley

SG-4771 TPS

- The system changes include:

  - Device status (failed or ok)
  - Ability to resync the sensor
  - Specific location (parking space) of device

- **CivicSmart** – does not support today

- **Sensys** – does not support today

- **IPSens** - supports it using their currently released API

QUESTIONS?

Gregory Dudley

Gregory.Dudley@dot.state.fl.us

New CMB Voting Procedure

Jay Williams, P.E., FDOT

New CMB Voting Procedure

- Reference the list of links in the meeting invite

- After each enhancement is presented, ONE representative from each district/agency click on the corresponding link

- Select agency, select your vote, add comments if desired

- Click "Done" to cast your vote

Enhancement #1: SG-5236
TPAS Enhancement

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: There is a need to track the length of time a single space is consecutively occupied/unoccupied in a truck parking facility.

- Proposed Enhancement

  - Email configuration in the config file.

  - Maximum length of consecutive time a space should be occupied

  - Maximum length of consecutive time a space should be unoccupied

  - Email sent to the configured address when a space occupancy value exceeds the threshold.

- Cost: $4.5k

- Schedule: 8.0

Change Management Board

VOTE NOW

Select the link for:

Enhancement #1: TPAS Enhancement

Enhancement #2: SG-3465
RISC Enhancement

Tucker Brown, SwRI

Issue and Proposed Solution

- RISC events are tracked outside the SunGuide system

- Proposed Solution
  - Implement a system to dispatch contractors, track on scene and departure times, equipment, and history of RISC activations.
  - RISC ConOps has been sent for District review.

- Cost: $106k

- Schedule: 8.0

VOTE NOW

Select the link for:

Enhancement #2: RISC Enhancement

Enhancement #3: RCA Enhancement

Tucker Brown, SwRI

Issue and Proposed Solution

- Users can control devices and see status through C2C but the same level of control is not available

- Proposed Solution
    - Incorporate the Remote Command Application from Texas
    - Device dialogs will allow users to see status and execute commands on local and remote from a single dialog
    - RCA ConOps has been sent for District review.

- Cost: $112k

- Schedule: 8.0

Change Management Board

VOTE NOW

Select the link for:

Enhancement #3: RCA Enhancement

Enhancement #4: SG-2640 Time Zone

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: Timestamps in the database are not stored as UTC (or with time zone information). Calculations can be incorrect due to daylight savings or management from 2 different time zones (D3)

- Proposed Enhancement

  - Store and pass all timestamps as offsets of UTC.

  - Requires report modifications, database view modifications.

  - Retesting of all subsystems

- Cost: $70k

- Schedule: 8.0

VOTE NOW

Select the link for:

Enhancement #4: SG-2640 Time Zone

Enhancement #5: SG-5182
WAZE and Railroad Crossing

Tucker Brown, SwRI

Issue and Proposed Enhancement

- Issue: Currently, no RR Crossing in the system. Long Island Railroad implemented their crossings into Waze and significantly reduced incidents at the crossings.

- Proposed Enhancement

  - WAZE only supports knowing a RR Crossing is there, not the current status (Train/No Train)

  - Could be implemented as part of GPIO as previously intended and passed to 511 via C2C for integration into the statewide feed

    - Mostly used to configure location and pass to Waze, not status

    - Could set as a manual status for now but would be built to support reading from a device

      - D2 has noted there may device that they would be using to gather this information.

- Cost: $17k

- New driver for device status: $12k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #5: SG-5182 WAZE and Railroad Crossing

Enhancement #6: SG-5065
Add Support for Authentication via Active Directory

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: All authentication is done within the SunGuide application

- Proposed Enhancement
  - Add Active Directory logins to SunGuide
  - Support AD logins as well as standalone logins
  - North Texas Tollway Authority (NTTA) is running a version of Lonestar (TxDOT) and have already integrated standard AD integration so integration efforts would be minimal.

- Cost: $13k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #6: SG-5065 Add Support for Authentication via Active Directory

Enhancement #7: SG-4985
Ability to Configure Response Plan Search Radius by Event Type

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: There is a single set of search distance values for an event to search for response plan items

- Proposed Enhancement

  - Allow administrators to configure a set of value per event type

  - If no event specific values are set, go back to the original default values

- Cost: $11k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #7: SG-4985 Ability to Configure Response Plan Search Radius by Event Type

Enhancement #8: SG-4760
Not Auto-Merging Scheduled Messages

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: When a message is top priority on the queue and the sign is set to auto-merge, it will only attempt to merge the next message on the queue. It will not continue down the queue looking for additional messages that could be potentially merged.

- Proposed Enhancement

  - If auto-merge is set, allow the sign to look at the full message queue for messages that can be merged and attempt to merge the one with the next highest priority.

- Cost: $2k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #8: SG-4760 Not Auto-Merging Scheduled Messages

Enhancement #9: SG-4781 Request Update of Integrated VLC Libraries

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: SunGuide currently targets an older version of VLC.

- Proposed Enhancement

  - Update to use the newest version of VLC

    - Potential benefits

      - Some newer devices are having issues with older version of VLC

      - Lower frame rate videos have less issues with newer versions

      - General stability

  - Provide a user preference to use an installed version instead

    - Wouldn't have to wait to use a newer version, if desired.

- Cost: $3k

- Schedule: Future Release

Change Management Board

VOTE NOW

Select the link for:

Enhancement #9: SG-4781 Request Update of Integrated VLC Libraries

Enhancement #10: SG-4680
Ability to Save Filters for the Dialog in the User Settings

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: Currently, column positions and width as well as dialog position are stored as user preferences. These are stored automatically without user action. Filters to the dialog are not stored.

- Proposed Enhancement

  - Create the ability for a user to manually select to save a filter to the dialog that would be reloaded when the dialog is loaded.

    - Would also need the ability to clear the setting as well.

  - Not automatic as too many ad-hoc filters could be set up and would confuse users if they persisted through closing and re-opening the dialog.

- Cost: $8k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #10: SG-4680 Ability to Save Filters for the Dialog in the User Settings

Enhancement #11: SG-5086
TPS Facilities Start "Out of Service"

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: On a restart or creation, TPS facilities are always set to Out of Service. This was put in as a feature in the 1st implementation of TPS so users would be required to verify the number of spaces before putting the facility into an Active state. This was most likely meant for passage detection (as opposed to presence detection).

- Proposed Enhancement
  - For presence detection only, allow the facilities to behave as other devices and persist their state through a restart.
    - If Active/Error/Failed, the facility would be polled for status.
    - If Out of Service, the facility would remain Out of Service

- Cost: $2k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #11: SG-5086 TPS Facilities Start "Out of Service"

Enhancement #12: SG-3769
Allow Sharing of Created VOD Tours and Layouts

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: VOD Layouts and VOD Tours are user specific and can't be shared among other users in the system (not global).

- Proposed Enhancement
  - Options:
    - Allow users save "Global" Layouts and Tours
    - Allow users to export and import Layouts and Tours

- Cost: $6k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #12: SG-3769 Allow Sharing of Created VOD Tours and Layouts

Enhancement #13: SG-3745
Allow the Organization to be Selected within the "Add New Event" Dialog

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: Some districts have multiple organizations managing events. When creating an event, the managing organization is automatically selected by EM and may have to be manually corrected by an operator.

- Proposed Enhancement

  - Add an additional option to the "Add New Event" window to allow selecting the managing organization

  - New option would default to selecting an organization in the same way EM does now.

- Cost: $1k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #13: SG-3745 Allow the Organization to be Selected within the "Add New Event" Dialog

Enhancement #14: SG-2493
Icon Enhancement for Arterial DMS

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: DMS currently has a number of DMS categories (Toll Rate, Toll Status, Truck Parking, etc.)

- Proposed Enhancement

  - Custom Display Filters

  - Allow users to create and save filters for specific sets of icons.

  - Would need to define interaction between the icon configuration and the display filters

- Cost: $24k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #14: SG-2493 Icon Enhancement for Arterial DMS

Enhancement #15: SG-3962

Add Open CCTV from Event List & Event Details Feature

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: Nearest Camera and preset can be set in an event but there isn't a way to jump to the camera

- Proposed Enhancement
  - Allow users to launch a VOD dialog from both the Event List and the Event Details dialog with the nearest camera streaming.

- Cost: $2k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #15: SG-3962 Add Open CCTV from Event List & Event Details Feature

Enhancement #16: SG-1533
Allow Audit of Road Ranger Procedural Errors

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: Procedural Errors for RRs are not currently auditable

- Proposed Enhancement
  - Procedural errors would be auditable for both closed and open events
  - Changes available would include the vehicle selected as well as the error

- Cost: $15k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #16: SG-1533 Allow Audit of Road Ranger Procedural Errors

Enhancement #17: SG-4965
Add Support for Mileage Tracking in SPARR Interface

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: Miles travelled is tracked by the RR AVL Driver but not by the SPARR driver

- Proposed Enhancement:
  - Add this functionality to the SPARR driver
  - Driver will enter odometer reading at start and end of shift
  - Optional so current applications wouldn't be affected

Change Management Board

- Cost: $3k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #17: SG-4965 Add Support for Mileage Tracking in SPARR Interface

Change Management Board

Enhancement #18: SG-3688
Suppress Multiple Visibility Alerts Based on Configuration

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: When the a visibility alert is triggered, all other detectors in the same area could potentially produce alerts, most likely for the same visibility event.

- Proposed Enhancement

  - Allow administrators to configure a radius for how far an alert should apply.

  - When an alert triggers for a single station, the same type of alert would not trigger for any stations in the configured radius until the original condition has returned to a normal condition.

- Cost: $6k

- Schedule: Future Release

VOTE NOW

Select the link for:

Enhancement #18: SG-3688 Suppress Multiple Visibility Alerts Based on Configuration

Enhancement #19: SG-4891
Unable to PTZ Cameras after CCTV Subsystem Restart

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: Restarting the NTCIP CCTV driver with too many in service cameras will cause the driver to stop working. This can also be randomly triggered by reaching a threshold of too many in service cameras while the driver is already running. The problem appears to be Java requesting threads on a Windows platform.

- Proposed Enhancement

  - Migrate the driver from using Java to C#. The amount of hours to rewrite is about the same as it would be to investigate a solution. Any solution would be temporary, and could resurface if enough cameras are added. Also, Java is becoming a paid/licensed platform and we are looking to migrate to C#.

Change Management Board

- Cost: $10k

- Schedule: Future Release

Change Management Board

VOTE NOW

Select the link for:

Enhancement #19: SG-4891 Unable to PTZ Cameras after CCTV Subsystem Restart

Enhancement #20: SG-4936
Add Roadway Filter to Monthly Performance Measures Report

Tucker Brown, SwRI

Issue and Proposed Solution

- Issue: When running the Monthly Performance Measures Report, the only parameters are date and county.

- Proposed Enhancement
  - Add a roadway filter to the Weekly, Monthly, Quarterly, and Annual reports as an optional parameter to the existing reports
  - Default would be to include all roadways and run as it does now

Change Management Board

- Cost: $4k

- Schedule: Future Release

Change Management Board

VOTE NOW

Select the link for:

Enhancement #20: SG-4936 Add Roadway Filter to Monthly Performance Measures Report

Enhancement #21: SG-3214 Inactive EM Location Not Available in Report Filters

Tucker Brown, SwRI

Issue

- Most devices do not have the ability to "Cease Use" the device (Delete the device without deleting the reference in the system)
- Some configurations are stored in DA but not all
- EM does "Cease Use" some things but not all
- Once a device/location is "deleted", seeing the old configurations or running reports against those devices is no longer possible

Reported Issue

- Make all objects in the system persistent and only "Cease Use" them as opposed to delete

- This is a large change, so it would be done in stages

  - Phase 1: AVL and the rest of EM

    - Modify reporting to allow reporting on cease use EM objects

  - Phase 2: Core Devices (CCTV, DMS, TSS)

    - Modify reporting to allow reporting on cease use devices

  - Phase 3: All other devices types

- Cost of Phase 1: $83k

- Schedule: Future Release

Change Management Board

VOTE NOW

Select the link for:

Enhancement #21: SG-3214 Inactive EM Location Not Available in Report Filters

Open Discussion

Jay Williams, P.E., FDOT

CMB Chairman

Review Action Items

Jay Williams, P.E., FDOT

CMB Chairman