Florida Department of Transportation

SunGuide Software User Group

Meeting Minutes

Date: March 7, 2012
Time: 9:00 AM – 10:30 AM
Tele: (866) 502-8312 Passcode: 4105622

Roll Call

- *D1: Carlos Bonilla, Chris Botti, and Mari Bacon*
- *D2: Jason Summerfield*
- *D3:*
- *D4: Dee McTague and Neena Soans*
- *D5: Nathan, Shannon, Andrew, Jim Miller*
- *D6: Javier Rodriguez, Joe Snyder*
- *D7: Jared Roso, Dave Howell*
- *MDX:*
- *FTE:*
- *OOCEA: John Hope*
- *TERL : Ron Meyer, Derek Vollmer, Vernell Johnson*
- *CO: Arun Krishnamurthy, Clay Packard, Brian Ritchson*

Action items review

- SSUG to provide input/priority of FP 1748 (reuse name in other agency) and FP 1634 (same issue with contact phone number) (unassigned - ran out of time last meeting) (Clay emailed about these issues on 11/22/2011 – they are possibly covered by Database ID's enhancement approved at CMB on 11/15);
  AI: Clay will get cost requested for 1634 – (this is now already done (requested))
  Cost estimate was requested again on 1/26/2012 to be provided prior to CMB in February
  Approved by CO – no anticipated release date specified.

Current Topics:

- Jason/John – Welcome John Hope as this year's chair and discuss this year's agenda
  John duly welcomed himself

- John – CMB Update

- C2C discussion – feedback from users – possible enhancement/ ideas to improve robustness.
  Mark: restarts every day, sometimes multiple times per day; connected to FL-ATIS, D4, and MDX. FL-ATIS restarts happens the most.
  D2 only connected to FL-ATIS, connections issues, but hard to tell if it's local or on FL-ATIS side. Restarting web services usually clears things up.
  D1 is not having any issues with C2C, they are connected to FL-ATIS and Lee County.

D2 has his C2C web services (IIS application pools) auto-restarted twice daily 10am & 10pm. Neena said FL-ATIS and D4 auto-recycles as well.

D5 has same problem, if you restart subsystem, they do not populate to FL-ATIS until you restart C2C – quite frequently – end up taking down OOCEA TVT, DMS, or all devices. Doesn't sync back up until we restart C2C, and causes problems with floodgates. Restarting web services in IIS will take down floodgates then requires additional restarts until floodgates work.

AI: Clay to report status of C2C improvement

Added additional logging to monitor cause of disconnections; now waiting for issue to reoccur

Input from users:

D6: after upgrade; wishes to have test environment to verify prior to going to production

Hope mentioned IBI had test database

AI: Clay will ask about test FL-511 environment

- Clay/Ron/Derek – Video Switching IPVideoDevices.xml configuration file support policy update – we are anticipating support for H.264 and will be providing support from experience both at SwRI and at TERL to provide updates to this configuration/compatibility file. Please be aware of this when you deploy new video switching devices and contact SunGuide support for help with this.

  not in 6.0

  moving towards ONVIF

  AI: TERL will be requesting all users to send their IPVideoDevices.xml file.

- Jason – Event type flag in FP 1744 – need to discuss/walk-through each event time and discuss; find volunteer to go to CMB to present.

  AI: Jason to present SSUG recommended event type tag mappings to CMB

  SSUG suggestions are documented in the table below (in the appendix)

  D6 uses emergency vehicles but has other response plans, not auto-suggested.

  it was discussed that for consistency, these are not configurable

  Dee, D1, D5, agrees with changing Vehicle Alert to 3 different events, Amber, Leo, Silver

  No one objects

  AI: John to bring final recommendation to CMB

New Topics:

- Clay – Brief HAR Discussion

  Is anyone using HAR?... Within or without SunGuide? how well does it work?

  Neena: D4 has just started using the HAR system so can't speak to how well it works. They have issue in manual message where SunGuide doesn't get "successfully sent to transmitter" status back from the HAR devices.

  Dee: D4 is happy using the Viasala software

  D1: has HAR enhancement – agrees with everything Dee said. Beacons are difficult to work with in SunGuide.

  D6 (and Ron and Clay offline) HAR may need a complete overhaul to maximize its value in SunGuide. From concept to architecture – driver should talk to field divices – not a middleman server.

  Clay (offline:) Also, more messages can be played so MAS's single active message concept is insufficient. It needs a message library as well.

This item will be tabled, and possibly moved to an upcoming discussion forum for additional input while it awaits availability/resources to further develop.

- Clay – SQL Storage Guidelines feedback?
  Also, recommendation from Footprint 1589 – purge all ODS data?
  D5 gets random requests for data and is concerned about purging.

- John – SSUG charter
  AI: John to draft something for review

- Clay – FootPrint 101 and 1526
  D1 has this issue and it is a priority for them
  Are there other states that have these issues?
  Ron support using volume to help determine a better average.
  D4 – has not seen this problem
  District 5 – also includes zero speed and occupancy.
  AI: Clay – CO to provide more specific recommendation

- Clay – Scheduled Actions – discuss behavior on schedule termination
  D6 says, force the decision when the schedule is terminated by asking the user
  Clay: (offline) D6's recommendation was sent to the contractor for the detailed design.

- Clay – discuss options for AVL-RR mobile device reconnection issue
  Jo says AVL-RR needs rewrite – not specific to mobile device
  Jo says option 1 is best
  D4 favors option 3
  Neena said some combination of option 3 and 4
  D5 – Shannon has to close issues that come in – they have to save an action and depart. None of the information they input into the device comes in. The incidents create, but the actions and other timestamps gets lost. They end up with a bunch of events open with missing data. May have footprint.
  D4 – also has the issue and the operators take precedence but the impact is the vehicle status behaves erratically while updates are trickling in.

- Ron – Discussion of what users need from ONVIF video encoders and decoders
  D2: using nothing but hardware decoders, but will change that
  D5: no plans
  Clay polled for anyone planning to buy to buy new decoders
  D4: has had conversation, but no specific plan yet

- Clay – SunGuide GUI
  Just mentioned that SG will have a GUI overhaul following the SQL Server and Color DMS

Open Forum:

- Issues
  D6 requests more documentation for 6.0 and for each release consistently
  Clay mentioned the database model will be delivered that will also have documentation

embedded.
Clay (offline) this would be a good forum discussion on what documentation and database tools are needed to help users maintain their systems.
AI (offline) – Brian to add online forum discussion this

- Enhancements
  D4: FP 2061: add county filter to performance measures report
  Small list at top of report repository, or something to bring attention to new reports
  AI: Brian Ritchson will modify the templates to include an optional county filter

  D4: FP 1701: add another tier to user permissions (i.e. general purpose lanes and express lanes, or permissions that affect devices/objects in different counties). Jason has asked for permission groups to specific subsets of signs. Mark suggests making groups work properly, not just behave like a template, but if group is changed, users within that group are affected (this has already been added to the footprint)
  AI: SSUG needs to discuss further and identify an appropriate action for someone to take?
  D4 – possibly introducing county associations with devices – which would support user permissions. Also would like highways.
  D6 would also like cities as well associated

- Other

Appendix: FP 1744 Event Type Mapping:

Event Type	Current SunGuide DMS event type flag	SSUG Suggestion for DMS and email and FL-ATIS event type tag in auto messages:
ABANDONED VEHICLE	ABANDONED VEHICLE	DISABLED VEHICLE
CRASH	INCIDENT	CRASH
BRIDGE WORK	CONSTRUCTION	CONSTRUCTION
CONGESTION	CONGESTION	CONGESTION
DEBRIS	INCIDENT	DEBRIS
DISABLED VEHICLE	DISABLED VEHICLE	DISABLED VEHICLE
EMERGENCY VEHICLES	INCIDENT	EMERGENCY VEHICLES
OFF RAMP BACKUP	INCIDENT	CONGESTION
PEDESTRIAN	INCIDENT	PEDESTRIAN
POLICE ACTIVITY	INCIDENT	EMERGENCY VEHICLES
PSA	SPECIAL EVENT	SPECIAL EVENT
ROAD WORK - EMERGENCY	CONSTRUCTION	CONSTRUCTION
ROAD WORK - SCHEDULED	CONSTRUCTION	CONSTRUCTION
SPECIAL EVENT	SPECIAL EVENT	SPECIAL EVENT
VEHICLE ALERT	(Some template)	Needs to be specific: silver, leo, amber
VEHICLE FIRE	INCIDENT	VEHICLE FIRE
VISIBILITY	INCIDENT	LOW VISIBILITY
WEATHER	INCIDENT	WEATHER ALERT
EVACUATION	OTHER	EVACUATION
FLOODING	INCIDENT	FLOODING
OTHER	OTHER	OTHER
INTERAGENCY COORDINATION	OTHER	INTERAGENCY COORDINATION