



Change Management Board Meeting

April 8th, 2010

Video Conference: CO- Burns Video Bridge 1

Audio: 850 - 414 - 4977 or 866 - 374 - 3368 ext 4977



Welcome and Call for Quorum

Peter Vega, CMB Chairman



Agenda



Time	Item	Lead
1:30 - 1:35	Welcome and Call for Quorum	Vega
1:35 - 1:50	Previous Meeting Recap and Action Item Review	Vega
1:50 – 2:00	CMB Voting Member Change	Vega
2:00 – 2:15	CMB Chairman Nomination <i>(Vote)</i>	Vega
2:15 – 2:30	Statewide ITS Architecture Update	Krishnamurthy
2:30 – 2:45	SunGuide R 4.3 IV&V and Deployment	Krishnamurthy/Heller
2:45 – 2:55	SunGuide R 5.0: Map Enhancement Additional Requirements <i>(Vote)</i>	Dellenback
2:55 – 3:10	SunGuide R 5.0: Porting RPG to EM	Heller



Agenda (cont')



Time	Item	Lead
3:10 – 3:20	Performance Measures Report Update	Packard
3:20 – 3:35	RICS Enhancement <i>(Vote)</i>	Clark
3:35 – 3:50	SunGuide Failover for Multiple TMC Operations	Heller
3:50 – 4:00	Consistency in Reporting Incidents for FL-ATIS	Glotzbach
4:00 – 4:10	ITS Devices Maintenance Lift Cycle	Glotzbach
4:10 – 4:25	IP Addressable for Beacons	Vega/Heller
4:25 – 4:30	Action Item Review	Vega



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Previous Meetings Recap and Action Items Review

Peter Vega



Dec. 10 09' CMB Action Items



- **PBS&J to review current SunGuide map requirements and compare with SwRI's proposed new map requirements.**
- **SwRI to edit map requirements according to PBS&J findings.**
- **CO to modify the Performance Measure reports to change the Open Road duration criteria back to -15 min from 0 min.**
- **CO to coordinate with District 6 for RISC Watcher demonstration to all districts on Tuesday December 15th.**
- **Districts to send comments to Arun regarding to TPE's requests.**



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CMB Voting Member Change

Pete Vega



CMB Voting Member Update



- District 6: from Manuel Fontan to Javier Rodriguez
- District 7: from Bill Shire to Chester Chandler



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CMB Chairman Nomination

Pete Vega



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Statewide ITS Architecture Update

Arun Krishnamurthy



Statewide ITS Architecture Update



- District 2 – Name change: “First Coast MPO” changed to “North Florida TPO”
- District 4 – Name change: “Indian River County Council on Aging” to “Indian River County Senior Resources Association”
- www.consystem.com/florida/default.htm



Statewide ITS Architecture Update



- **Current stated requirement:**
 - The SITSA “will be” updated every 3-5 years
 - Last major update 2005
- **ConSysTec, PBS&J and FDOT reviewed current NITSA**
 - No substantial changes since 2005
- **No update to Florida SITSA are needed**
 - Cost is not justified
 - Minor edits are made continually
- **Major changes / additions are looming in NITSA**
 - IntelliDrive, weather reporting
 - An update may be justified then



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SunGuide R 4.3 IV&V and Deployment:

Arun Krishnamurthy



Release 4.3 Content



- 95EL operational enhancements (operating modes, restart handling, EL DMS, offline sync)
- Floodgates: prerecorded messages, multi-floodgates
- Slow poll failed devices
- Cross county congestion
- FL-ATIS incident severity
- TSS alarm recovery thresholds
- SAE code revisions



FAT Results



- 157 of 159 test steps passed
 - Did not prepopulate congestion head (step 130, 131)
- 13 enhancement requests



Release 4.3.1 Changes

- Corrected congestion pre-population problems
- Alarm threshold editor labeling
- Single alert per link (was lane)
- Labeling of FL-ATIS incident severity on EM GUI
- Corrected labeling on Toll Viewer “1 Travel Lanes lanes blocked”
- Error message during 95EL Offline file sync
- Move headings in 95EL tabbed GUI
- Non-TOD alert should occur in zero rate mode



Release 4.3.2 Changes

- R 4.3.1 IVV (TLH) found 3 issues
 - Teleste Encoder / Decoder configuration changes
 - TSS single alarm / link correction
- During testing of R 4.2.2 with Oracle 11G (11.1.0.6), D6 uncovered an insertion latency problem in Data Archive
- Two solutions:
 - Use 11.1.0.7 upgrade to 11.1.0.6
 - Improvements to Data Archive insertion process
- Crash maps to “Incident” icon not “Other”



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SunGuide R 5.0: Map Enhancement Additional Requirements

Steve Dellenback



R5.0 Map: *Additional Requirements*



- **Shields**

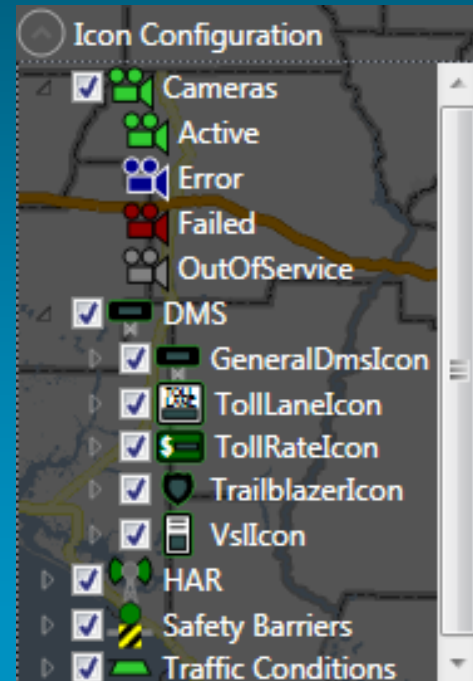
- Initially the plan was to use the shields provided by Navteq in the base map data
- Issues:
 - Shield placement not consistent
 - Many missing shields
- Recommendation:
 - Do NOT use Navteq provided map shield (do not render into map tiles)
 - Create shield editor that supports:
 - Placement of symbols using the mouse or lat/long
 - Configure different symbols based on type of roadway
 - Specify at what layer each shield should become visible



R5.0 Map: *Additional Requirements*



- **Icons on/off:**
 - D6 requested the capability to select whether or not devices are visible in a manner similar to the FLATIS web site.
 - A control was proposed =====>
 - Recommendation:
 - Operator will select which icons are visible, broken down by device type
 - Color selections will be made from this menu
 - Settings will be “per operator” (not global)
 - Settings automatically saved and restored on next login
 - Shields will also be included here for further control of appearance





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SunGuide R 5.0: Porting RPG to EM

Robert Heller



Porting RPG to EM



- Late 2007: SwRI and FDOT discussed porting RPG to EM (issues: Java, data sharing, etc.)
- May 2008: SWAM #16 funded RPG Enhancement with \$150,000
- Oct 2009: RPG CONOPS final
- Nov 2009: RPG CONOPS estimate \$618,000
- FDOT authorized RPG Port to EM



RPG PORT to EM



- **Port *existing* functionality**
 - All in C#
 - Part of EM (no data communication issues)
 - Basis for making changes in future
 - New GUI implementation as part of Release 5.0
- **Current status (3/31/2010)**
 - Coding complete
 - Integration testing 50% complete



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Performance Measures Report Update

Clay Packard



PM Reports



Quarterly Incident Duration Performance Measures Reports

Changes from Version 2.0 to 2.1

1. Added filter for only including performance measured roadways and performance measured event statuses (Active, Unresolved, Closed)
2. Relaxed filter so that event type "Other" is included
3. fixed dispatch adjustment timestamp
4. Few minor definitions pages and column header typos and format tweaks



Current Issue – Last Departed



- Last Departed Timestamp will not be updated correctly unless all responders are departed from the event
- Currently, SunGuide allows an event to be closed without departing all responders
 - Other responders (upper-right box in em dialog)
 - Tablet responders (when closed from tablet PC)
- This issue is identified by several districts



Last Responder Timestamp Solutions



1. SunGuide could be modified to not close an event until ALL responders are departed
2. SunGuide could be modified to take the most recent departed timestamp (even if other responders are still on-scene)
3. Operational policy could be established to depart all responders without SunGuide modification (also, new report could be generated to flag events with non-departed responders)



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RISC Enhancement

Paul Clark



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SunGuide Failover for Multiple TMC Operations

Robert Heller



High Availability



- **Unplanned Downtime**
 - Server failure
 - Data failure
 - Site failure
- **Planned Downtime**
 - System changes
 - Data changes
 - Application changes
- **Oracle/SunGuide Solutions**



Unplanned Downtime



- **Both Primary and Secondary Site(s) available**
 - All communications functional
 - Internal communication failure between sites
 - External communication failure from primary
 - External communication failure from secondary
 - External communication failure from both sites
- **Only Primary Site available**
 - All communications functional from site
 - External communication failure from site
 - Internal communication failure from site
- **Only Secondary Site available**
 - All communications functional from site
 - External communication failure from site
 - Internal communication failure from site



Planned Downtime



- **Goal: Minimize downtime**
- **System Upgrade**
- **Application Upgrade**
- **Database Upgrade**
- **System Migration**



Standard Operating Procedures



- Operational Activities
- When you do....., best practices are to....
- So that you...
 - Minimize planned downtime
 - Preserve the ability to handle unplanned downtime
 - Operate at maximum effectiveness



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Consistency in Reporting Incidents for FL-ATIS

Gene Glotzbach



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ITS Device Maintenance Life Cycle

Gene Glotzbach



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IP Addressable for Beacons

Pete Vega



511 Static Sign w/ Flashing Beacon



Benefits:

- Easy installation anywhere
- Low cost
- Incident dissemination expanded to arterial roads
- Low maintenance
- Reproducible
- Simple design
- SunGuide functionality



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http://www.qttinc.com/pages/flashmax.html

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Flash Max®

Flash Max alerts motorists to potential dangers with a combination of flashing lights, or beacons, and a static sign stating to tune their radio to a particular frequency for important announcements. Used in conjunction with Highway Advisory Radio (HAR) stations, Flash Max informs motorists of special conditions or emergencies on the roadway.

Flash Max can be a permanent or portable system. A permanent system allows you to notify motorists about traveler information, such as traffic delays or weather events. A portable system is a great companion for special events, work zones or temporary emergencies.

Flash Max systems are used on major interstates by departments of transportation, and at airports, amusement parks, military bases, even in construction areas. Motorists can tune to their radio several minutes before reaching an incident, make decisions about their route and prepare for adverse conditions ahead.

Benefits

- Communication equipment (AM radio) is standard in all vehicles
- Allows you to inform the public 24/7
- Beacons bring attention to an important message
- Permanent or portable system
- Remotely activate or deactivate beacons



NEW PRODUCTS



QTT Offers Transportation Gas Sensing Solutions

NEW PRODUCTS



Quixote Transportation Technologies Introduces the Surface Patrol® HD



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iBoot. Remote Reboot. IP Controlled Power Switch - Windows Internet Explorer

http://dataprobe.com/iboot_remote_reboot/iboot-ac-power-switch.html


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iBOOT Remote Reboot via Web Browser A/C Version



iBoot



AC Version Cables Included

iBOOT

Remote Reboot is just a mouse click away!

iBoot is a 10/100 Ethernet network attached, IP addressed, Web Controlled power switch. Anyone with a web browser can access iBoot to perform power On, Off or Reboot (timed power shutdown). iBoot is password protected for security.

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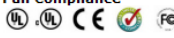
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start 4 Microsoft Of... Microsoft Excel RTMC iBoot. Remote R... Microsoft Power... 12:13 PM



WHEN FLASHING



IP Addressable Beacons

- **District 2**
 - Deploy static signs (Call 511) with beacons
 - Turn beacons on / off for events
- **IP controlled power supply in field**
 - Treat as 0 x 0 DMS
 - Enable / disable beacons
 - Part of response plan
 - Modify GUI, admin, subsystem, new driver



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Action Item Review

Peter Vega