



SunGuideSM Hot Wash-up Minutes

June 1-2, 2005, 8:30 am to 5:00 pm CDT

Southwest Research Institute
CDRL 6-4 (Update)



Testing Attendees:

Liang Hsia, FDOT	Steve Corbin, FDOT
David Chang, PBS&J	Craig Vahle, FDOT
John Bonds, PBS&J	Ivan Del Campo, MDX
Walt Townsend, ITS-Siemens	Al Clay, FDOT
Steve Dellenback, SwRI	Arturo Espinosa, FDOT
Robert Heller, SwRI	Lynne Randolph, SwRI
Roger Strain, SwRI	Meredith Moczygemba, SwRI
Bruce Farmer, SwRI	

The following attended the TRR and participated in various times during the testing:

Susan Crumrine, SwRI	Steve Sprouffske, SwRI
John Brisco, SwRI	

Subject: Factory Acceptance Testing for SunGuideSM Release 1.1

Item #1 – TRR

- Steve Dellenback presented the TRR slides

Item #2 – Testing Day 1 – June 1, 2005

- The following tests cases were executed:
 - IC-1: Core Processes:
 - User Administration (AS-1)
 - Device Administration (AS-2)
 - User and Device Database Tables (AS-3)
 - Single User Login (AS-4)
 - Log Configurability (SL-1)
 - Message Fields Logged (SL-2)
 - Log Viewer Capabilities (SL-3)
 - Status Logger ASCII Export (SL-4)
 - Display Software Version / System Health (SL-5)
 - Status Logger Multiple Files and File Management (SL-6)
 - Starting and Stopping SunGuideSM Services (EH-1)
 - Executive Handler Configurability (EH-2)
 - SunGuideSM Auto Restart (EH-3)

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- Executive Handler Retry Count and Privileges (EH-4)
- Data Abstraction and XML Support (DB-1)
- Data Distribution (DB-2)
- Data Bus Updates (DB-3)
- Data Bus Updates (DB-4)
- IC-2: Dynamic Message Sign:
 - Map Access to DMS (DMS-1)
 - Send DMS Message (DMS-2)
 - Support NTCIP and Mark IV (DMS-3)
 - Support Message Libraries (DMS-4)
 - High Level DMS Status Support (DMS-5)
 - Amber Alert Support and Misc. (DMS-6)
 - Internal DMS Operating Parameters (DMS-7)
 - DMS Sequences (DMS-8)
 - Support Portable DMS (DMS-9)
 - Message Priority Queue (DMS-10)
 - Alphabetized Message Library Management (DMS-11)
 - DMS Polling Requirements (DMS-12)
 - Multi Page Message Timing (DMS-13)
 - Device Failure & Device Status Reporting (DMS-14)
 - Approved Word List Checking in Sequences (DMS-15)
- IC-3: Video:
 - Map Access to Cameras (CCTV-1)
 - Barco Wall and IP Video Switching Support (CCTV-2)
 - CCTV GUI High Level Status (CCTV-3)
 - NTCIP Driver Support (CCTV-4)
 - Portable CCTV (CCTV-5)
 - DMS Video Verification (CCTV-6)
 - Supported Technology (CCTV-7)
 - CCTV Auto Lock Request (CCTV-8)
 - AD M300 MCP (CCTV-9)
 - Device Failure and Device Status Reporting (CCTV-10)
- The following is the result of executing the 43 test cases:
 - 43 of 43 test cases passed in their entirety.

Item #3 – Testing Day 2 – June 2, 2005

- The following tests cases were executed:
 - IC-4: Transportation Sensor Subsystem:
 - Map Display of TSS Data (TSS-1)
 - TSS Data Updates (TSS-2)
 - TSS Device Drivers (TSS-3)
 - TSS Generated Alarms (TSS-4)
 - Configuration of TSS Devices (TSS-5)

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- TSS Error Logging (TSS-6)
- TSS Data Elements (TSS-7)
- Travel Time and Delay Display (TSS-8)
- SVG and ESRI Support (TSS-9)
- Audible Notification of Congestion Alerts (TSS-10)
- Detector Station Icons (TSS-11)
- Device Failure & Device Status Reporting (TSS-12)
- IC-5: Incident Management:
 - Event Creation (IM-1)
 - Event Management (IM-2)
 - Recording Event Notifications (IM-3)
 - Diversion Route Maintenance (IM-4)
 - Response Plan Implementation (IM-5)
 - Associate Events (IM-6)
 - Response Plan Generation (IM-7)
 - Incident Auto Completion, Response Plan Generation (IM-8)
 - Movement of Incidents (IM-9)
 - Decreasing IM Message Priority with Distance (IM-10)
 - Incident Closure and Response Plan Cancellation (IM-11)
 - Incident Ownership (IM-12)
- General:
 - Documentation Review (DR-1)
 - System General (SYS-1)
 - Conflicting Direction (SYS-2)
- The following is the result of executing the 27 test cases:
 - 27 of 27 passed in their entirety.

Item #4 –Day 2 Final Wrap-up Meeting – June 2, 2005

- FDOT signed the front witness page indicating that the tests were executed.
- Summary of test results:
 - 283 requirements were tested
 - Total of 70 out of 70 test cases passed in their entirety
- The following enhancements were identified during the testing process. SwRI will evaluate the requests and provide FDOT with feedback about the complexity to implement them:
 - Modify the Administrator editor to allow speed thresholds to be entered by weekend or holiday
 - Editor for the “config.xml” file
 - Display device legend as an option on the map
 - Implement the display of travel times to DMS devices

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- Process most recent Dynamap data for baseline maps
- Eliminate DDMMYYYY and HH:MM text on GUIs where redundant with entry fields
- Use terminology of “alternative routes” rather than “associated routes” (Administrative Editor and Incident Management GUI)
- Modify MCP so that after a monitor is selected any future camera selections will cause a “switch”
- Verify directional data information collected from TSS
- Compare SunGuide detector icon with SunNav, TransGuide and Navigator
- Reflect CCTV and TSS failures on GUI (similar to DMS)
- Describe the data available from each in User’s Manual:
 - Event Manager
 - Status Logger
 - Executive Handler
 - Event History (Oracle Database)
- Internet Explorer is showing “Error on page” in status bar when the Message Arbitration Subsystem (MAS) queue is displayed
- Provide a system option that will automatically display “selected devices” when a response plan is generated (will display for the most recently generated response plans) – highlights will be cleared when the operator “activates” the plan