



# SSUG 8-1-19



# DMS Font Issue

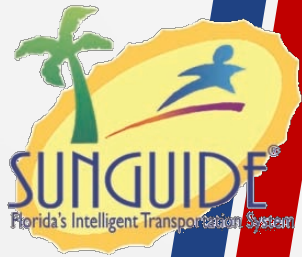
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# DMS Font



- Each DMS font has a fontVersionID
  - A unique identifier of a font within the sign
    - A CRC or hash-code of the font characteristics
    - Looks at all of the defined character bitmaps and some other font characterizes, i.e. height, number, line, and character spacing
- Intended Behavior
  - SG calculates the fontVersionID and, when sending a message to sign, send the id along to confirm the correct font is being used.
  - If the IDs don't match, the sign would not post the message



# Issues



- Some vendors are not correctly calculating the fontVersionID and would reject the message.
- This was not initially tested at the TERL as the value was never used before now.
- Working with vendors, but will most likely not be fixed before the release of SunGuide version 7.2



# Solution



- SwRI will store the fontVersionID returned by the sign as part of the sign's font configuration process.
  - When sending a message to the sign, we will send the sign's fontVersionID so the message will post
  - If the font has changed on the sign, the fontVersionID should change on the sign and the message would not post.
  - If the fontVersionID is still the same, there is a high chance it is still correct, despite the discrepancy of CRC calculation method.



# Solution



- After the vendors fix the issue:
  - We can implement an update to the driver to send the calculated version instead of the reported version.
  - We can have a higher confidence that the font being used is the exact version of the font we intended to use.



QUESTIONS?



# 2964 - Multiple Logical Devices Mapped to Same Physical Device

AJ Skillern





# Issue and Proposed Enhancement



- Issue: There are no device specific or global checks that prevent the entry of the same IP/port combinations across the system
  - Some of these checks are performed at the driver level, but the driver must be running to prevent bad configurations
    - Issues have been seen on test and production systems
- Proposed Enhancement
  - Make a manually triggered process that checks all IP/Port configurations across the whole system (all devices) and shows the output to the user.
  - The user can then decide if the configurations are valid or need to be changed.

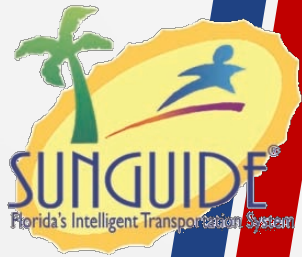


QUESTIONS?



4815 - Response plans should  
use Congestion Tail  
if available

AJ Skillern



# Issue and Proposed Enhancement

- Issue: EM templates always use the Event Location to populate DMS messaging, even if the event has defined congestion.
- Proposed Enhancement
  - When choosing the location to use as the basis for DMS signage, the Tail Location should be used, if set.
  - This would be configurable at an installation level
  - Note: The usefulness of this may depend on your template and messaging
    - “Congestions X miles ahead” would work when using the tail location.
    - “Crash ahead at Test Blvd” would probably want to use the primary location.



QUESTIONS?



4870 - For NTCIP Cameras, set  
into manual mode before  
sending manual command

AJ Skilern



# Issue and Proposed Enhancement

- Issue: Using NTCIP, if a camera is in automatic focus/iris mode and the user sends a command to change the focus/iris, the system does not send a command to change the camera to manual focus/iris mode.
  - Some cameras will accept this but some interpret this as a command to send the camera to a manual focus/iris mode. It then requires the user to click the focus/iris command again to start the focus/iris action.
- Proposed Enhancement
  - If the camera is in automatic mode, send a command to change the camera to manual mode before sending the requested focus/iris action.



QUESTIONS?