

v76 Software – Release Notes

76.16.68(D) / Build 349.7 / 22 December 2020

(Limited release for NYSDOT)

Created release package that has all network services disabled

76.16.67(C) / Build 346.5 / 07 December 2020

Fix: Controller may stop timing after terminating FYA to serve Preempt 1

Fix: Text misaligned in Spanish language screens

Misc. code changes to support upcoming V6EBOS 1.1.0 (does not affect any features or functionality)

76.16.66(B) / Build 338.2 / 16 October 2020

(Limited release for Merida)

New language setting (MM+2+7) and control keystroke (F+9) to toggle front panel UI between Spanish and English

Improved behavior of Ped Overlap 1 type to follow included phase ped times instead of a hardcoded min ped clearance

76.16.65(A) / Build 284.18 / 14 September 2020

(Limited release for Miami-Dade, Las Vegas, and Council Bluffs only)

Fix: Brief display of incorrect signal indications when exiting Model 33x cabinet flash

New Pedestrian Call override setting

Improved behavior of advance warning beacons during preemption, FYA, and coordination

Fix: Cabinet status alternates between “OK” and “Red Fail” once per second during pedestrian change interval (flashing don’t walk) when outputting FYA on pedestrian yellow with an EDI MMU

76.15.90(Z) / Build 283.17 / 27 April 2020

Fix: ASYNC Bindings not working correctly when programmed for GPS

Behavior of FYA with multiple included phases across barriers improved to meet expected behavior

Fix: TSP Alarms not being reported

76.15.89(Y) / Build 282.16 / 30 March 2020

Fix: FYA behavior with multiple preemptions and min green times for these preemptions

Fix: Time of day clock loses time on ATC v6 engine boards

Fix: Run Timer can be toggled without entering Access Code

Improvements to license modification and removal workflow on 980 ATC

Fix: Purdue logging update for Ped Extend and Red Extend and now up to 24 hours selectable

New high-resolution data logging enumerations and alarms for Ped Extend and Red Extend

Improvements to J2735 SPaT messages

76.15.88(X) / Build 280.14 / 12 February 2020

New setting for Ethernet link speed (MM-6-5)

76.15.87(W) / Build 278.12 / 31 October 2019

New: Ability to activate low priority preemption via SNMP

Enhancement: SNMP high priority preemption now supports all 12 preempts (previously limited to 6)

Fix: SPaT messages could fail under certain sequences

Fix: Minor corrections and enhancements to the SAE J2735 SPaT message, affecting times when the controller is dwelling in green with no conflicting demand

Fix: Some older 2070-1B CPUs could lose Ethernet functionality after installing a firmware update

Enhancement: Support Model 170 controllers

Fix: NTCIP phaseStatusGroupWalk and phaseStatusGroupDontWalk objects

76.15.85(U) / Build 265.9 / 18 July 2019

If a UDP packet of size 0 is received, the controller discards the packet(s) and records the event in the sysmgrlog. In previous versions, receipt of erroneous UDP packets of 0 size could disable SNMP and DSRC communications.

When programming a Conflicting Ped Phase with a FYA overlap, the following message is displayed “Warning: Not recommended for use with FYA without also enabling FYARedB4Ped.” For additional information, refer to the FYARedB4Ped section in the User Manual.

When entering a preempt, any active overlaps extend green for 1s to prevent the output from going green>yellow>red>green. FYA is now an exception to this and the overlap terminates with the included phase.

On Linux based controllers, if a database has been backed up to flash, it is preserved when installing a software update.

Minor corrections and enhancements have been made to the SAE J2735 SPaT message.

Correction has been made to STMP dynamic object 2.

Correction has been made to the ascBlockData and moduleDeviceNode MIBs.

76.15.84(T) / Build 6970 / 28 February 2019

Transit Priority Module has been enhanced to provide smoother functionality and eliminate skipped phases. Refer to the Operations Manual for Transit/Light Rail Priority for additional details.

When running on a Safetran 2070-1E, the database can now be backed up.

76.15.83(S) / Build 6924 / 27 December 2018

The SPaT (Signal Phase and Timing) message for use with DSRC can now be sent in either the SAE J2735 format or the previously used Trafficware format.

76.15.82(R) / Build 6911 / 14 December 2018

A correction was made to the FYA functionality to delay the FYA operation when the conflicting pedestrian phase was active after exiting preemption.

A correction was applied to the FYAGapExt function. The timer now operates like a typical extension timer, so that that the time between consecutive actuations on the FYAGapDet(s) must exceed the programmed FYAGapExt time before the FYA will begin.

SPaT messages may now be transmitted in either the SAE J2735 format or the previously supported Trafficware format.

Corrections have been made to Initialization Modes 'NYSDOT 0' and 'NYSDOT 8' so they now include the following assignments:

O5-1	28	Ch4 Yellow	O5-2	34	Ch10 Yellow
O5-3	25	Ch1 Yellow	O5-4	31	Ch7 Yellow
O5-5	115	Not Used	O5-6	115	Not Used
O5-7	115	Not Used	O5-8	114	Watchdog
O6-1	115	Not Used	O6-2	115	Not Used
O6-3	13	Ch13 Red	O6-4	37	Ch13 Yellow
O6-5	61	Ch13 Green	O6-6	14	Ch14 Red
O6-7	38	Ch14 Yellow	O6-8	62	Ch14 Green

Initialization Modes 'NYSDOT 0' and 'NYSDOT 8' now include outputs for channels 15 and 16.

76.15.81(Q) / Build 6843 / 15 October 2018

Modified FYARedOnRest functionality so that during coordination there is now a "FYA Walk Recycle Window" that will be used to define a specific part of the cycle when the intersection is allowed to begin Red Revert in order to terminate an active FYA to serve a pedestrian call.

Enhanced Trafficware SPaT message to include Time To Change for each phase, pedestrian, and overlap

76.15.80(M) / Build 6778 / 6 September 2018

On startup, communication must be established with any critical BIUs before exiting flash.

Enhancements have been made to increase GPS reliability. Added interface software to support ASI (Adaptive Solutions, Inc), Intelight, and McCain GPS devices as well as supporting the 2070-7T or 2070-7G GPS interface cards.

A new SNMP object has been added containing detector counts.

'Cycle Fault Action' in MM-1-2-1 has been changed to 'Cycle Failure Action' to more accurately describe the function.

76.15.72(H) / Build 6644 / 28 June 2018

Various FYA updates including:

New FYARedOnRest feature.

Added new feature so that FYA operation can be controlled by a FYA gap detector.

Resolving FYA locking issue.

Resolving FYA output issue when using a yellow flash startup.

Resolved FYA issue such that it will terminate to red when a conflicting Ped call is present.

Modifying the FYA overlap to always follow included phase clearance time following protected arrow.

Modifying the FYA overlap such that Overlap Lock Inhibit should always be off for the first clearance interval.

Changed FYA conflicting behavior to terminate the phase before returning to service after a conflicting pedestrian

Allow the overlap to have the minimum yellow time be programmed to less than 3 seconds.

Modified IO Mode initialization issues when mapping the 2A hardware for Mode 0 and Mode 1 selections.

Modifications to Linux OS controller licensing when removing/modifying the existing license.

Modifications to background NTCIP diagnostics and communications.

Resolved initialization diagnostics and database verification inconsistencies.

Resolved various screen typographic issues.

Transit Priority Module modifications for extending the transit phase.

DSRC module enhancements.