



Procurement Division
PREQUALIFIED PRODUCTS LIST (QPL) OF
TO-4048
CONTROLLER UNIT, CABINET ASSEMBLY, AND FLASHER

The following controller units, cabinet assemblies, and flashers have been tested and are qualified for use when Departmental Specification TO-4048, Full-actuated Solid State Controller Unit (TS-2) with Diamond, TBC, Preempt, and Closed Loop Operation; and Base-Mounted TS-2 Cabinet Assembly (revised 7/12) is referenced.

CONTROLLER UNIT (ONLY) NEMA, TS-2, Pole-Mount/Base-Mount (12 and 16 positions), SDLC Traffic Controller Assembly with ABC Connectors (Type 2) and without ABC Connectors (Type 1)

Manufacturer	Model	Type	Software/Firmware Version
Econolite	ASC 3-1000	Type 1	2.64.10
	ASC 3-2100	Type 2	2.64.10
	Cobalt (Color Touch Screen)	Type 1 and 2	32.64.30
	Cobalt-C (Non Touch Screen)	Type 1 and 2	32.64.30
Econolite ATMS Software	Centracs		2.0
	Centracs Local Edition (Standalone)		2.0
Intelight	X1	Type 1 and 2	1.9.11
	X1L (Lite)	Type 1 and 2	1.9.11
	X2 (Color Touch Screen)	Type 1 and 2	1.9.11
	X3	Type 1 and 2	1.9.11
	X3 (Color Touch Screen)	Type 1 and 2	1.9.11
	X3L (Lite)	Type 1 and 2	1.9.11
Intelight ATMS Software	MaxView		1.8.5.494
McCain, Inc.	M57970 (ATCeX2)	Type 1	1.11.0
	M57390 (ATCeX2)	Type 2	1.11.0
McCain ATMS Software	Transparity		1.4
Peek Traffic Corporation	ATC 1000 Gen 1	Type 1 and 2	3.18
	ATC 1000 Gen 2	Type 1 and 2	3.18
Peek ATMS Software	Spinnaker		2.0
	ATC Link (Standalone)		3.25
Siemens	8130-0400-*** (M52)	Type 2*	4.58c/3.58c
	8130-1900-*** (M52)	Type 2*	4.58c/3.58c
	8130-0402-*** (M52)	Type 2*	4.58c/3.58c
	8130-0402-*** (M52 Master/Local Combo)	Type 2*	4.10/3.58c
	8132-0000-*** (M60 NEMA Linux)**	Type 2*	5.2
	8133-0000-*** (M60 ATC Lite)**	Type 2*	5.2
8133-0004-*** (M60)**	Type 2*	5.2	
Siemens ATMS Software	Tactics		5.2
Trafficware (Engineered by Naztec)	50099-22300-1	980 Type 1	61.4u
	50099-20300-1	980 Type 2	61.4u
	50260-2001	ATC Type 1	76.15g
	50260-2011	ATC Type 2	76.15g
	50280-2140	980 ATC Type 1	76.15g
	50280-2240	980 ATC Type 2	76.15g
Trafficware ATMS Software	ATMS.Now		2.7
	Street Sync (Standalone)		1.5

*Only Type 2 Siemens controllers with power adapter cables are being supplied to TxDOT.

** Not compatible Econolite Accuscan 600, 1000 and Smartmicro Type 32 radar systems when using SDLC. Use expansion module (contact closure) cards.

*** This denotes latest approved software by TRF-TM Signal Operations Branch.

CABINET ASSEMBLY NEMA, TS-2, Pole-Mount/Base-Mount (12 and 16 positions), SDLC Traffic Controller Assembly without ABC Connectors

Manufacturer	Model/Part #	Configuration
Econolite	CAB17366 (E) <ul style="list-style-type: none"> Model P44 Part#170-1020-521-2-84 	Size 6, 16-position, Base Mount
	CAB17366 <ul style="list-style-type: none"> Model P44 Part#170-1020-521-2 	Size 6, 16-Position, Base Mount
Henke Enterprises, Inc.	M128T-TS2-1	Size 5, 12-position, Pole Mount
	P128T-TS2-1	Size 6, 12-position, Base Mount
	P168T-TS2-1	Size 6, 16-position, Base Mount
	HEN-TS2	Size 6, 16-position, Base Mount
McCain	M47800	Size 6, 16-position, Base Mount
Mobotrex Distribution (formerly Brown Traffic)	EL712-TX2	Size 6, 16-position, Base Mount
	EL702-TX2	Size 5, 12-position, Base Mount
	EL702-TX2P	Size 5, 12-position, Pole Mount
Paradigm Traffic Systems, Inc.	PT-M55128TS2-1	Size 5, 12-position, Pole Mount
	PT-P44128TS2-1	Size 6, 12-position, Base Mount
	PT-P44168TS2-1	Size 6, 16-position, Base Mount
Peek Traffic Corp.	8500-17568	Size 6, 16-position, Base Mount
	8500-17568-01	Size 6, 16-position, Base Mount
RTC Manufacturing	TS-2-P16-TX	Size 6, 16-position, Base Mount
Trafficware (Engineered by Naztec)	70006-TS2TX	Size 6, 16-position, Base Mount
	70006-3044	Size 6, 16-position, Base Mount
	70006-3044(E)	Size 6, 16-position, Base Mount
	70006-TS2TX12	Size 6, 12-position, Base Mount
	70008-TS2TX12	Size 5, 12-position, Pole Mount
	70006-3060	Size 6, 16-position, Base Mount

Malfunction Management Unit (MMU), NEMA, TS-2

Manufacturer	Model	Software/Firmware Version
Eberle Design (EDI)	***MMU-16LE	**
	***MMU-16LEip	**
	***MMU2-16LE	7.4
	MMU2-LEip	7.4
Eberle Design (EDI) Software	Eccom	4.5
Trafficware (Engineered by Naztec)	516L MMU	2.28

**Not NEMA FYA compliant unless updated to 7.3, then they become MMU2's which meets the NEMA FYA Standard.

***These models are not to be purchased anymore.

FLASHER NEMA, TS-2, Two-Circuit, Solid State, 15-Amp

Manufacturer	Model
Eberle Design (EDI)	810
GDI	204
PDC	204

LOADSWITCH NEMA, TS-2, Three-Circuit, Solid State, 10-Amp

Manufacturer	Model
Eberle Design (EDI)	510
PDC	200

TSC	200
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BUS INTERFACE UNIT (BIU) NEMA, TS-2

Manufacturer	Model
Eberle Design (EDI)	BIU-700
Econolite	160-1003-501
Eagle (By Mobotrex formerly Siemens)	BIU-200
Trafficware (Engineered by Naztec)	BIU-130

Power Supply (PS), NEMA, TS-2

Manufacturer	Model
Eagle (Mobotrex Distribution, formerly Brown Traffic)	CPS105
Eberle Design (EDI)	PS250A PS250B
Trafficware (Engineered by Naztec)	PS2D

Surge Protection Device (SPD)

Manufacturer	Model
Citel	DS72US-120S/G (SPD) DUC31 (EM/RFI Filter) DS72US-120S/G-F-ASSM (SPD & Filter) M50-120S-A (SPD) M50-120S-B (SPD) M50F-120S-A (SPD & Filter) M50F-120S-B (SPD & Filter)
Dehn	SN 4616 (Part #989409/S)
Eaton	ITCF1203-RJ
Emerson	SHA-1235FS
HESCO	SPD 130K V2

Revised: February 2020