

TEES 2020
Release Notes Ver. 2.0
11/6/2020
Herasmo Iniguez

- Errata No. 1 additions in [Blue](#)
- Errata No. 2 Changes in [Red](#)
- Errata No. 3 Changes in [Green](#)
- Errata No. 4 Changes in [Brown](#)
- TEES 2020 Changes in [Purple](#)

Item	Description of Item	Section
1	Adds Specifications for Model 2020-CELL Module	Chapter 10 Section 14
2	Creates a new Model 2070-1M CPU Module	Chapter 9 Section 1
3	Makes further enhancements to the Model 2070LX+ Controller	Chapter 9 text and Drawings
4	Incorporates all comments	TEES 2020
5	Adds additional specifications to the 700 signs requiring compliance to Nema 4X vs 3R for water resistance.	Chapter 13-Section 11
 TEES 2020 Integrates the following Erratas:		
 Errata No.1		
6	Creates Model 2070E	9.1.1
7	Completes ver Module for 2070E controller	9.2.7.6.1, 9.2.7.6.4
8	Creates Model 2070-7G GPS Module for 2070	10.9.1
9	Creates C11 Harness for the Cabinets	A3-7
10	Adds Health Circuit to the cabinet.	
 Errata No.2		
11	Creates 242L DC Isolator	5.4.1 - 5.4.7
12	Creates Model 342LX, 344LX, and 346LX Cabinets	6.1.1.3 - 6.1.1.5
13	Creates r4 and r8 Drives for the controller	9.2.7.2.2
14	Standardizes Network Communications and disables Telnet and FTP for Cybersecurity.	9.2.7.1
15	Creates Model 2070-2E+ Field I/O Module	9.1.1, 9.3.8.7
16	Fixes Model 2070-7G GPS Module for 2070	10.9.2

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| 17 Integrates C11 Harness into the Model 332L and 342LX Cabinets for bicycle detection. | 6.1.1.5 |
| 18 Creates independent equipment circuit in the cabinets. | |
| 19 Creates C1 Harness | 6.4.8.1 |

Errata No.3

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| 20 Includes specifications for Intelligent Detector Model 222i and 224i | 5.7.1 |
| 21 Makes Model 332L, 334L and 336L Cabinet touch safe and renames cabinets as 332LS, 334LS and 336LS. | 6.1.1 |
| 22 Adds encryption requirements to Model 2070E controller for Cybersecurity. | Detail A9-1, A9-10, 9.1.1, 9.5.1, 9.2.3, 9.2.5, 9.2.8, Detail A9-15 |
| 23 Updates Model 2070LX to address Cybersecurity | 9.2.5.9 |
| 24 Creates Wireless Serial and Ethernet Modules for Model 2070 Controller. | 10.11.1 |
| 25 Integrates Standarized Railroad Preemption Interface to Model 332LS and 342LX Cabinets. | Chapter 6, Page 59, Details A6-5, A6-21, A6-24, A6-25, A6-38, A6-38, A6-46, A6-47, A6-48, A6-50, A6-51, A6-52 |
| 26 Includes specifications for Model 2070-J Module | Chapter 19 |
| 27 Includes specifications for Model 700/700C CMS | Chapter 13, refer to model 700 CMS Specifications |
| 28 Includes specifications for Model GT-BBS Green Technology BBS | A4-2 |

Errata No.4

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| 29 Includes specifications for Model 2070LX+ Controller | Chapter 9, 9.6 |
| 30 Includes redesign of internal network of Model 700/700C CMS | 13.3, 13.11 |
| 31 Includes redesign of SPA for 332LS and 342LX Cabinets | Chapter 6, Details A6-1, A6-2, A6-3, A6-4, A6-5 |