ORIGINATION FORM
Proposed Revisions to the Specifications

(Please provide all information - incomplete forms will be returned)

Date: May 5, 2020

Originator: Derek Vollmer

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Office: Traffic Engineering and Ope

Specification Section: 684

Article/Subarticle: 684-1.4

****Will the proposed revision require changes to:**

Publication	Yes	No	Office Staff Contacted and date contacted
Standard Plans Index	○	◉	Rick/Cheryl 5/5/20
Traffic Engineering Manual	○	◉	Javier Ponce 5/5/20
FDOT Design Manual	○	◉	Bobby Bull 5/5/20
Construction Project Administration Manual	○	◉	Scott Arnold 5/5/20
Basis of Estimate/Pay Items	○	◉	Missy Hollis 5/5/20
Structures Design Guidelines	○	◉	Ben Goldsberry 5/5/20
Approved Product List	○	◉	Karen Byram 5/5/20
Materials Manual	○	◉	Susan Musselman 5/5/20

**This section must be completed prior to processing proposed revisions.

Will this revision necessitate any of the following:

Design Bulletin ☐ **Construction Bulletin** ☐ **Estimates Bulletin** ☐ **Materials Bulletin** ☐

Are all references to external publications current? **Yes** ◉ **No** ○

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

During testing, the Managed Field Ethernet Switch must use SSH instead of Telnet for security reasons.

Summary of the changes:

-In 684-1.4, Step 7, replace "telnet" with "SSH".

Are these changes applicable to all Department jobs? **Yes** ◉ **No** ○

If not, what are the restrictions?

Contact the State Specifications Office for assistance in completing this form.

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M E M O R A N D U M

DATE: May 28, 2020

TO: Specification Review Distribution List

FROM: Daniel Strickland, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **6840104 Network Devices.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Derek Vollmer by the Traffic Engineering and Operations office to use SSH instead of Telnet during testing the Manages Field Ethernet switch.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at http://fdotewp1.dot.state.fl.us/programmanagement/development/industryreview.aspx . Comments received after **June 25, 2020**, may not be considered. Your input is encouraged.

DS/rf

Attachment

NETWORK DEVICES
(REV 5-5-20)

SUBARTICLE 684-1.4 is deleted and the following substituted:

684-1.4 Field Acceptance Testing: Develop and submit a field acceptance test (FAT) plan to the Engineer for review and approval. The Engineer reserves the right to witness all FATs.

Once the MFES has been installed, conduct local FATs at the MFES field site according to the approved test plan. Perform the following:

1. Verify that physical construction has been completed as detailed in the Plans.
2. Inspect the quality and tightness of ground and surge protector connections.
3. Verify proper voltages for all power supplies and related power circuits.
4. Connect devices to the power sources.
5. Verify all connections, including correct installation of communication and power cables.
6. Verify configuration of the MFES Internet Protocol (IP) addresses and subnetwork mask.
7. Verify the network connection to the MFES through ping and ~~telnet~~ SSH sessions from a remote personal computer (PC).
8. Perform testing on multicast routing functionality.