

Field Test Procedure Checklist

For All Vanguard (NTCIP) Displays
with VFC/DMP controllers

DD4757156

Rev: 1 — 14 October 2020

DAKTRONICS

Contract number: _____
Customer name: _____
Display Type(s): _____
Site Name: _____



DAKTRONICS, INC.

Copyright 2018

All rights reserved. While every precaution has been taken in the preparation of this manual, the publisher assumes no responsibility for errors or omissions. No part of this book covered by the copyrights hereon may be reproduced or copied in any form or by any means—graphic, electronic, or mechanical, including photocopying, taping, or information storage and retrieval systems—without written permission of the publisher.

Vanguard® is a trademark of Daktronics, Inc. National Electrical Code® and all other trademarks are property of their respective companies

Introduction

This checklist documents the field tests for a LED dynamic message sign site for this project. The purpose of this document is to record that all testing has been completed.

**For instructions on how to complete each test reference Field Test Procedure Instructions document
DD4757157- C28586 FTP test instructions for all vanguard displays**

- 1- Ensure that you completely fill out the site information page on this checklist.
- 2- Use the instruction document to correctly complete each test and document results of each test in the corresponding test.
- 3- This test should be performed for every sign site at the completion of installation of the particular site.
- 4- The test messages to be used should be the test messages listed or messages such as "Testing; Message 1" or "Testing in Progress", that will not misdirect traffic.

Test equipment required:

- Boom truck, or whatever is required to get up into the sign
- Digital multi-meter
- Laptop computer, with vanguard software
- Ethernet Cable
- Common hand tools
- Flash Drive/Memory Stick

Site Information

Daktronics representative completing the testing: _____

Display assembly #(s): _____

Display serial #(s): _____

Traffic cabinet assembly #: _____

Traffic cabinet serial #: _____

Controller serial #: _____

Controller hardware address #: _____

Controller IP address Primary: _____ Auxiliary: _____

Important: Make sure that the firmware listed below is the most current version, if not make sure to download the latest version of the firmware from <http://dakfiles.daktronics.com/downloads/Transportation/Firmware/>.

Displays dimension(s): _____

Firmware:

Version number:

1) VFC _____

2) VideoProcessor _____

3) Display Firmware Package _____

Other Optional firmware (not all displays will have module and Display interface firmware)

4) Display Module micro _____

5) Display Module EPLD _____

6) Display interface micro _____

7) Display interface EPLD _____

Display/Cabinet Inspections

- ___1. Complete visual inspection of display(s) for damage on transport or installation, and verify all equipment mounted properly.
- ___2. Check that control cabinet and/or display(s) earth grounding is connected properly per the system site riser.
- ___3. Perform display and/or control cabinet power incoming power verification test
 TP1:_____ (AC Line to Neutral or DC Termination point in display) TP2:_____ (AC Neutral to Ground or DC last module in display)
- ___4. Complete cabinet and/or display outlet, ventilation, and, access points checks.
- ___5. Complete controller setup and firmware updates.
- ___6. Perform Test Pattern testing.
- ___7. Complete display signal and/or pixel testing.
- ___8. Perform display load test procedure/UPS testing:
 TP1:_____ (AC Line to Neutral or DC Termination point in display) TP2:_____ (AC Neutral to Ground or DC last module in display)
- ___9. Verify all Peripherals are reporting and working correctly:
 Date:_____ Time:_____ Sky Conditions:_____ Dimming level _____
 i) Document all light sensor include name and value (ex. Light Line 1= 853).

 ii) Document all temp and humidity readings (ex. controller temp= 80F).

- ___10. Run test message following NTCIP test message procedure for 6min and verify message displays after cycling power of controller.
- ___11. Record all firmware version numbers and site information.
- ___12. Complete Quality feedback form
- ___13. Reinstall all enclosure covers and close all doors

It is acknowledged that the following field test procedure has been completed for this site and the display is operational.

Daktronics Technician

Printed Name	Signature	Date
--------------	-----------	------

Customer

Printed Name	Signature	Date
--------------	-----------	------

DAKTRONICS PERSONNEL MUST RETURN THIS COMPLETED DOCUMENT AND QUALITY FEED BACK FORM TO THE DAKTRONICS PROJECT MANAGER.

Transportation Quality Feedback form

For Internal Daktronics use only. This is not part of the field Test Procedure. This form needs field out and sent back to Daktronics with the Field Test Procedures

Submitted By _____ Contract# _____

Display Type (i.e. VF2400_27x105-66-A) _____

Location of Display _____

Display Serial # _____ nearest City and State _____

Commissioning Date _____ Project Manager _____

Did you experience any issues or unplanned work during the commission of this display? **Yes/No** (if no skip to additional comments/Punchlist items)

Failed Part Description	Part Number	Part Serial #

Describe the issues and or unplanned work

Additional Comments/Punchlist Items

FTP completed **Yes/No**

Site Complete **Yes/No** (if no documents punch list items above)