

Neptune Colorado Testing Guide

Updated August 8, 2016

This document explains how to test the Neptune computers, printers, Ethernet switch and the SRJC Colorado Time Systems CTS6 for use at swim meets such that any computer and any printer can be used for Seeding or Results. To complete these steps, you will need all 3 computers and their power supplies and mice, Ethernet switch and power supply, 3 Ethernet cables, USB to Serial adapter, serial cable, CTS6 and power supply, parallel printer and power supply, printer paper, parallel cable, CTS wiring harness, at least 1 lane button, the scoreboard and power cord, and the scoreboard interface cable. If you have not recently tested the USB printers via the Neptune Dolphin Testing Guide, you will also need all 3 USB printers and their power supplies and USB cables. This guide assumes the USB printers need to be tested.

Test Configuration Matrix:

	Results		Seeding	
<u>Test</u>	<u>computer</u>	<u>printer</u>	<u>computer</u>	<u>printer</u>
1	3	3	2	2
2	1	2	3	1
3	2	1	1	3

Test Configuration #1:

Hardware Setup

1. Connect the three computers to power, mice, and Ethernet connector, turn on and disable WiFi.
2. Connect the three printers to power and USB cables and turn on.
3. Connect SRN-PC2 to SRN-PR2 and SRN-PC3 to SRN-PR3.
4. Connect USB to serial adapter and serial cable to SRN-PC3. This will be the “Results” computer for this test.
5. Connect CTS parallel printer to power and turn on.
6. Connect lane button to CTS wiring harness lane 4 primary.
7. Connect CTS6 to power, serial cable, printer and wiring harness and turn on.
8. Connect the scoreboard to power and the CTS6.

Create Test Meet File

For details, see Neptune Meet Setup Guide and Neptune Meet Computer Guide.

On SRN-PC3:

1. Open MeetManager and create new meet file named testmeet1, multi-user as Admin. This will be the “Results” computer for this test.

2. Fill out minimum information in Meet Setup menu.
3. Create one girls event.
4. Create one session and include event.
5. Add swimmer to event.

On SRN-PC2:

1. Open MeetManager and open testmeet1 on SRN-PC3 as Run1. This will be the “Seeding” computer for this test.
2. Seed event.

Download Meet to CTS6

On SRN-PC3:

1. Go to Run, then set up Timing Interface for CTS6.
2. In Control Panel -> Hardware and Sound -> Device Manager -> COM Ports, determine which COM port the USB to serial adapter is, i.e. COM3, then open that COM port in Meet Manager Run Interface.
3. Download meet to CTS6.

Create Time Files

On CTS6:

1. Open Swimming.
2. Turn on scoreboard.
3. Verify event is 1 and heat is 1; if not, set them.
4. Start race by pressing start button. Verify display and scoreboard show elapsed time.
5. Wait at least 15 seconds, then stop race by pressing the lane button. Note time recorded and race number.
6. Press Store Print to save time file for event. Verify parallel printer prints out race summary.
7. Press Reset.

Create Result Reports

On SRN-PC3:

1. Go to Setup Reports and select SRN-PR3 as default printer for reports and labels.
2. Select event 1 and Get Times.
3. Score event and print. Verify printout matches time for stopwatch time recorded for event.

On SRN-PC2:

1. Go to Setup Reports and select SRN-PR2 as default printer for reports and labels.
2. Go to Run, select event 1, create Results report and print. Verify printout matches time for event.

Test Configuration #2:

Hardware Setup

1. Connect SRN-PC1 to SRN-PR2 and SRN-PC3 to SRN-PR1.
2. Connect USB to serial adapter and serial cable to SRN-PC1. This will be the “Results” computer for this test.

Create Test Meet File

On SRN-PC1:

1. Copy testmeet1 from SRN-PC3 to paste to SRN-PC1 and rename it testmeet2.
2. Open MeetManager and open testmeet2, single-user as Admin.
3. File -> Purge -> Reset Event Results and Seeding. Select all and press OK.
4. Close Meet Manager, then reopen testmeet 2 as multi user admin.

On SRN-PC3:

1. Open MeetManager and open testmeet2 on SRN-PC1 as Run1. This will be the “Seeding” computer for this test.
2. Seed both events.

Download Meet to CTS6

On SRN-PC1:

1. Repeat Download Meet to CTS6 steps in Test Configuration #1 above.

Create Time Files

On CTS6:

1. Repeat Create Time Files steps in Test Configuration #1 above.

Create Result Reports

On SRN-PC1:

4. Go to Setup Reports and select SRN-PR2 as default printer for reports and labels.
5. Select event 1 and Get Times.
6. Score event and print. Verify printout matches time for stopwatch time recorded for event.

On SRN-PC3:

3. Go to Setup Reports and select SRN-PR1 as default printer for reports and labels.
4. Go to Run, select event 1, create Results report and print. Verify printout matches time for event.

Test Configuration #3:

Hardware Setup

1. Connect SRN-PC1 to SRN-PR3 and SRN-PC2 to SRN-PR1.
2. Connect USB to serial adapter and serial cable to SRN-PC2. This will be the “Results” computer for this test.

Create Test Meet File

On SRN-PC2:

1. Copy testmeet2 from SRN-PC1 to paste to SRN-PC2 and rename it testmeet3.
2. Open MeetManager and open testmeet3, single-user as Admin.
3. File -> Purge -> Reset Event Results and Seeding. Select all and press OK.
4. Close Meet Manager, then reopen testmeet3 as multi user admin.

On SRN-PC1:

1. Open MeetManager and open testmeet3 on SRN-PC2 as Run1. This will be the “Seeding” computer for this test.
2. Seed both events.

Download Meet to CTS6

On SRN-PC2:

2. Repeat Download Meet to CTS6 steps in Test Configuration #1 above.

Create Time Files

On CTS6:

2. Repeat Create Time Files steps in Test Configuration #1 above.

Create Result Reports

On SRN-PC2:

7. Go to Setup Reports and select SRN-PR1 as default printer for reports and labels.
8. Select event 1 and Get Times.
9. Score event and print. Verify printout matches time for stopwatch time recorded for event.

On SRN-PC1:

5. Go to Setup Reports and select SRN-PR3 as default printer for reports and labels.
6. Go to Run, select event 1, create Results report and print. Verify printout matches time for event.