

## NTS01 Firmware Release Notes

### D:09.010 (14 May 2009)

- **Improvement:**  
Support for the new LCD display added.

### D:09.009 (14 Jan 2009)

- **Improvement:**  
Leap second processing algorithm improvement.

### D:07.009 (10 Nov 2008)

- **Improvement:**  
Improved the Ethernet module support.
- **Improvement:**  
Improved the control sequence for entering NTS monitor mode.
- **Bug Fix:**  
Ensure that the NTS outputs are disabled, when the option "Suppress Outputs when out of Sync" is selected and the clock has lost sync.

### D:07.008 (24 Jul 2008)

- **Bug Fix:**  
IRIG-B slaving issue resolved that was introduced in D:07.000.
- **Improvement:**  
The operating year value was extended to 2099 instead of 2079.

### D:07.006 (21 Apr 2008)

- **Improvement:**  
IRIG-B IEEE time quality frame modified

### D:07.005 (01 Apr 2008)

- **Bug Fix:**  
Start-up algorithm correction made regarding to pulse per second

### D:07.004 (28 Mar 2008)

- **Bug Fix:**  
Algorithm modifications were done to ensure that the GPS receiver was outputting correct pulse per second.

### D:07.003 (17 Mar 2008)

- **Bug Fix:**  
Corrected the bug which caused the start bit of the IRIG-B frame to be missed during normal operation.

**D:07.002 (29 Feb 2008)**

- **Bug Fix:**  
Corrected a time jump error which occurred every Sunday at 00:00:00 every week. The time jump lasted for 14 seconds.

**D:07.001 (08 Jan 2008):**

- **Change:**  
Updates were made to the IEEE extensions to match the standard.

**D:07.000 (03 Jan 2008):**

- **Bug Fix:**  
The end of year roll over bug was amended.
- **Improvement:**  
Added field upgradeability to the NTS01.

**D:06.002 (03 Apr 2007):**

- **Improvement:**  
An improvement to the satellite syncing algorithm was made. The requirement for 4 satellites was added to the sync state algorithm.
- **Bug Fix:**  
The week rollover issue has been resolved.