

PRPTP Firmware Release Notes

VERSION 3.15r8

- **Bug fix:** The IRIG-B output would be momentarily suppressed during change of PTP masters, even if holdover was available.
- **Bug fix:** During a change of PTP masters a very high number of unnecessary SNMP/Syslog notifications were being sent.

VERSION 3.15r7

- **Bug fix:** The IRIG-B output continuous time quality (CTQ) and quality indicators could indicate different values when the clock was entering or leaving holdover.
- **Bug fix:** During start-up or signal acquisition, a suppressed IRIG-B or pulse output could be unsuppressed prematurely causing any reported quality indicators to be unstable for a short period.

VERSION 3.15r6

- **Bug fix:** The redundant software watchdog has been disabled in favour of using the hardware watchdog only. The software watchdog was found to incorrectly reset the device, and the hardware watchdog reliably fulfils the intended purpose.

VERSION 3.15r5

Limited release

VERSION 3.15r4

- **Bug fix:** The initial firmware release sent out the PRP packets with the incorrect length of 64 bytes. This had no impact on the behaviour of the PRPTP translator or slave devices, but showed as an error in Wireshark. The packet length has been corrected to a 60-byte length.
- **Feature:** Activated temperature sensor on Microprocessor to log changes of 10°C or more during operation.

- **Feature:** Added reset logging feature. This logs the type of reset event that occurs and records this to the internal log file.

VERSION 3.15r3 (January 2017)

- **Feature:** Added support for enabling the persistent holdover availability option. Tekron Configuration Tool 4.2.1.10 or later is required to enable this option.

Normally, the clock can only enter holdover if it has been in sync for at least 5 minutes. If persistent holdover is enabled, and the clock has initially been in sync for at least 5 minutes, then the clock can still enter holdover if it experiences a sync switching condition. For example, sync is lost, regained for less than 5 minutes, then lost again. Such a condition may exist when GNSS jamming is present, or in the case of a poor antenna installation.

Please note, when entering holdover after a period of intermittent sync the holdover period timer is reset. This may cause the clock to enter an extended holdover period, if the sync switching condition continues to be present. By disabling persistent holdover, you can ensure that the time in holdover is not extended by periods of intermittent sync lasting less than 5 minutes.



Feature: Added Redundant Ethernet to the list of available alarm events for the configurable alarm relay. When this alarm is enabled, the alarm relay will open if PRP or HSR redundancy is enabled, and one or both Ethernet links are down.

Improvement: The default TAI -> UTC offset has been updated to the current value of 37.

Bug Fix: The IRIG-B outputs are now correctly suppressed when the “Suppressed when out of sync” configuration option is selected. Previously, with this option selected, the IRIG-B outputs continued to output inverted IRIG-B signals when the PRPTP was out of sync.

VERSION 3.15r3 (Initial Release)

