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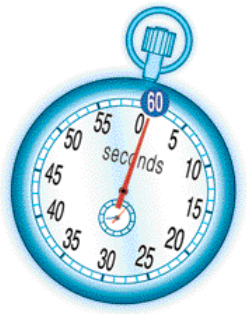

Testing Results

Certification: Leap Second Testing
Model Name: OT-21
Current Release:
C.03

Leap Second tested product from Symmetricom provides Time of Year information across the boundary between December 31, 2005, and January 1, 2006. This includes, but is not limited to, handling of the Time information provided via integrated displays and output ports.

Symmetricom products that report time information will do so as described below.

Expected Leap Second Behavior: Compare system time to GPS time, reset time if difference is greater than 1 seconds. Older revisions have an issue - 1-sec offset persists after Dec 31st (Workaround – see instructions on page 2 of this document).

Resolution Plan: None. Automatic correction within 3 seconds of leap year or perform workaround instructions on next page for units that do not automatically correct.

Symmetricom is not responsible for the correct processing of this information by any external program or device, only the transition from the year 2005 to the year 2006 as provided by integrated displays and output ports.

Symmetricom, Inc., is making every effort to provide accurate and up-to-date information on the Leap Second readiness of its products. This information reflects the current results of compliance tests of standard products and may be updated or changed without notice as testing continues. This information is published for your assistance only. An overall assessment and plan based on your particular needs is your responsibility. Symmetricom disclaims any implied warranties of merchantability and fitness for a particular purpose and makes no express warranties except as may be stated in its written agreement with its customers. In no event is Symmetricom liable to anyone for any indirect, special, or consequential damages. Liability is limited to the purchase price of the product.

Workaround Instructions

To correct the time offset in the OT-21 perform the following steps, Please note that this procedure can be done remotely.

1) Type the command **ALARM 07** and record the current **SETsec (DELAY)** provisioning.
example:

OT-21>ALARM 07

#	Alarm	Status	Level (*=Elev)	SETsec	CLRsec	SETcnt	CLRcnt
(07)	Freq Control	No Holdover	Minor	300	30	0	23837

2) Type the command **ALARM 08** and record the current **SETsec (DELAY)** provisioning.
example:

OT-21>ALARM 08

#	Alarm	Status	Level (*=Elev)	SETsec	CLRsec	SETcnt	CLRcnt
(08)	Output Freq	OK	Major	600	300	0	23314

3) Change the **SETsec (alarm delay)** on **alarm 07** to prevent the occurrence with the command **ALARM 07 SET DELAY 3600**.

4) Change the **SETsec (alarm delay)** on **alarm 08** to prevent the occurrence with the command **ALARM 08 SET DELAY 3600**.

5) Enter the command **LOOP ACQ** to force the unit into acquire mode. After the unit finishes the acquire mode (typically 10-15 minutes) and before the unit enters the normal mode, the unit enters the **RECT** mode. During the **RECT** mode (recover time) the unit will correct the internal Time Of Day and force the unit to the GPS or CDMA engines time.

6) If necessary, repeat step 5.

7) Enter the command **ALARM 08** and observe the **CLRcnt**, wait until this counter starts incrementing before proceeding (typically 10-15 minutes after NORM mode is reached).
example:

OT-21>ALARM 08

#	Alarm	Status	Level (*=Elev)	SETsec	CLRsec	SETcnt	CLRcnt
(08)	Output Freq	OK	Major	3600	300	0	142

8) Return the alarm provisioning to the original settings as recorded in step 1 and 2. Please note the commands below assume the factory default settings:
example:

ALARM 07 SET DELAY 300
ALARM 08 SET DELAY 600

9) This completes the workaround.