8591A-04: Y2K Update Information

HP 8590 A/B/D Series Spectrum Analyzers (Excluding HP 8590A/92A)

Serial Numbers:
Does Not Apply. This service note applies to ALL of the following products:
HP 8591A
HP 8593A
HP 8594A
HP 8595A
HP 8590D
HP 8592D
HP 8590B
HP 8592B

Y2K Update Information. These products are officially Certified Y2K Compliant with User-performed Adjustment. There is NO upgrade path for Y2K compliancy.

Duplicate Service Notes:
8593A-01
8594A-03
8595A-03
8590D-09
8592D-07
8590B-03
8592B-02

Situation:
All HP 8590 A/B/D series of instruments are Year 2000 compliant with user-performed adjustment. When using a DLP or remote program the use of the TIMEDATE and/or ONTIME commands can cause problems when bridging a measurement between the 20th and 21st century.

If using the TIMEDATE command and returning a value to your computer, that value will not include century information and will not be correct. This will be an issue if the incorrect value is used in another part of your program.

Using the ONTIME command to schedule an event in the year 2000 prior to the year 2000 will cause an immediate execution instead of an execution at the time designated.

Solution / Action:
TIMEDATE: To get the TIMEDATE command to return CCYYMMDDHHMMSS information (with the necessary century information included), perform the following:

*Add 20000000000000 to values <880101000000
*Add 19000000000000 to vlaues >=880101000000

ONTIME: Once the year 2000 is reached, all ONTIME events will work correctly. If it is necessary to schedule an ONTIME event in the year 2000 before the year 2000 has arrived you have two options.
1) Adjust the internal realtime clock forward or backward so that the measurement is scheduled in either the 20th or 21st century.

Example:

If you want to execute a timed measurement using a downloadable program or the ONTIME remote command on January 1st, 2000 and you execute the command on December 31st, 1999, the event will execute immediately. Adjust the internal realtime instrument clock so that the measurement is scheduled within the year 1999 or within the year 2000. Do not schedule an event in 1999 that is to take place in the year 2000.

Date:
15 Jan 1999

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*                      INFORMATION ONLY                         *
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*                                                               *
*   AUTHOR/ENTITY: __Brad Dunk/5320_____________________________ *
* ADDITIONAL INFO: __None_______________________________________ *
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