# BUILDING MASTER CLOCKS

# PRECISE TIME SETTING

## 1. GENERAL

**1.01** This section covers the method of setting all building time reference sources to precise time.

**1.02** This section is being reissued to change the reference telephone number for the precise time announcement machine in New York. Revision arrows are used to indicate the change. This reissue does not affect the Equipment Test List.

**1.03** All building time reference sources, such as master clocks and customer call timing devices, must be accurate at all times.

## 2. METHOD

**2.01** Designate one electric clock as a building master clock. Choose a clock with a sweep second hand and preferably one that is not affected by office routine emergency power transfers. Affix a tag or plastic tape to the master clock stating:

***Caution: Reset per Section 030-125-501.***

**2.02** Compare the master clock ***daily*** with one of the following references:

| Operating Company<br>Precise Time Announcement Machine | | |
|---|---|---|
| Boston | 617 637-1234 | Eastern Time |
| Newark | 201 936-8181 | Eastern Time |
| → New York | 212 976-1616 | Eastern Time ← |
| Wash., D.C. | 202 844-1212 | Eastern Time |
| Chicago | 312 936-3636 | Central Time |
| Detroit | 313 472-1212 | Eastern Time |
| U.S. Bureau of Standards | | |
| Boulder, Colo. | 303 499-7111 | Greenwich Mean Time |

***Note:*** Allowance must be made if your local time zone differs from the above time zones. Choose a time reference geographically close to your office.

**2.03** If the master clock is not within 2 seconds of the precise time reference, reset within 2 seconds of precise time.

**2.04** Check all customer call timing systems [such as automatic message accounting (AMA) master timers and operator calculagraphs] ***daily*** against the master clock in accordance with the appropriate section using the following general procedure:

(1) With the KS-3008 stopwatch, or equivalent, refer to the time on the master clock (shortly after it has been checked as described above) and ***precisely*** at the beginning of any minute start the stopwatch.

(2) Move to the call timing system. Note that the elapsed time on the stopwatch (plus the time on the master clock) agrees with that on the timing system within the limits specified in the section for that system.

(3) If the stopwatch time and timing system do not agree, reset as covered by the appropriate section.

(4) Timing systems should be reset only during light traffic periods.

(5) If a timing system uses the 24-hour clock, convert 12-hour clock time by ***adding*** 12 to the hours figure for times from 1:00 PM to 11:59 PM (midnight = 0000 Hrs).