



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
325 Broadway
Boulder, Colorado 80305-3328

Date: 17 June 2011

To: Chief Operating Officer, Certichron, Inc.
50 West San Fernando St., Suite 320
San Jose, California 95113

CC: John Brady

Subject: Description of the NIST Internet Time Service

The Time and Frequency Division of the National Institute of Standards and Technology operates a network of public time servers. These systems transmit time messages in a number of different formats including DAYTIME, TIME, and NTP (the Network Time Protocol). The messages transmitted by all of the systems are traceable to the NIST ensemble of atomic clocks, which is located at the NIST facility in Boulder, Colorado. All of the servers operate at NTP stratum 1. A complete list of the servers operated by NIST is on the Internet Time Service page of the NIST web page at tf.nist.gov.

All of the servers are built using standard commercial hardware that is owned by NIST and software that was developed at NIST. All of the systems are monitored and controlled from the NIST laboratory in Boulder. The servers are located at a number of facilities, including facilities operated by Certichron. The servers at the Certichron facilities are identified by network names in the ustiming.org domain. There are currently 9 time servers in this domain. They are located in New York City, Weehawken, New Jersey, Bridgewater, New Jersey, Hatfield, Pennsylvania, Chicago, Las Vegas, Los Angeles, and San Jose. A server in Atlanta is planned for the near future and additional servers will be deployed in the next few months.

A handwritten signature in black ink that reads "Judah Levine".

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