

UrsaNav Testing Wide-Area Timing Alternative

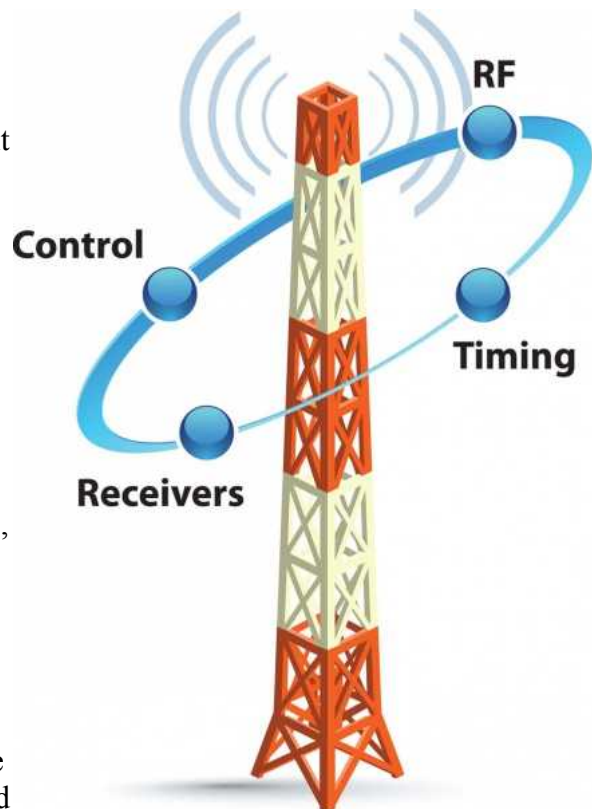
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As a result of a Cooperative Research and Development Agreement (CRADA) between the U.S. Coast Guard and UrsaNav, Inc., on-air tests are being conducted from the former Loran Support Unit site in New Jersey.

One of the CRADA's goals is to research, evaluate, and document a wireless technical approach as [an alternative to GPS](#) for providing precise time. The ability to obtain precise time to at least one microsecond is necessary for the proper operation and functioning of many critical industries and systems. Examples include telecommunications networks, banking and finance, energy and power delivery, emergency services, transportation systems, and military and homeland security systems.

Additional on-air tests are planned at various sites throughout the United States. Broadcasts will test several different frequencies, waveforms, and modulation techniques using evolutionary, state-of-the-art technology. Reception of these broadcasts are planned at both on-shore and off-shore locations, and will include advanced LF data delivery techniques. The results of these trials will be presented at national and international conferences. Any party interested in any part of the trial, or interested in doing their own measurements, are invited to contact us.

UrsaNav provides advanced solutions for Low Frequency Alternative Positioning, Navigation, Timing, and Data, including high-performance eLoran Timing Receivers. The company has partnered with precise-time synchronization company Symmetricom and Nautel, supplier of high-power RF transmitters. According to UrsaNav, this "alliance of expertise" provides the foundation technology for a wide-area, terrestrial-based alternative to satellite systems such as GPS, GLONASS, and Galileo.



Source : GPS World