STATEMENT OF WORK
LOCAL AMP INTERNAL

The local AMP Internal is the "Wi-Fi" connection to the existing IT infrastructure. The WI-FI solution guarantees no interference with frequencies already allocated by NASA to other equipment and processes.

Synchronous Network System (SNS) Applications Management Platform (AMP) is a web browser based application accessible anywhere Internet is available and allows simplified overall system management. The server includes the software that enables the system to work correctly. The program is written in a form of Linux which is the operating software. SNS clocks utilize two-way communication with the AMP across the wireless network and the wired intranet to ensure accuracy, synchronization and provide the ability to report diagnostics. This is the main reason for the system and the exact reason that a WI-FI system is used.

The vendor shall provide a Wi-Fi solution capable of the following criteria:
- Must be able to get Email notification
- Must have multiple daily updates
- Must update for daylight savings time
- Must have 12 and 24 hour clock capability
- Must be able to automatically restore after an outage
- In the dead areas alternate communication by Ethernet.

NASA IT requires WEP, WEP/Leap Security Protocol, encryption, password and user ID security functions with the ability to incorporate new security protocols as needed.

SALIENT CHARACTERISTICS
CLOCK 12.5" BLK TRADITIONAL

- The 12.5 inch clock must be able to connect to synchronize and communicate with the Synchronous Network System (SNS).
- The clocks must be able to send diagnostic data to be retrieved through the Applications Management Platform (AMP).
- Data retrieved should include the strength of the wireless connection, battery life and time accuracy.
- The clock should have high impact polycarbonate frame and lens and operate in a temperature range of 32 - 158 degrees Fahrenheit.

SALIENT CHARACTERISTICS
4" - 6 RED DIGITS 120VAC

- The Synchronous Network System (SNS) digital clock must be viewable up to 150 feet.
- Must have an 8 hour power outage memory back up and LED display dimming level options.
- Must have alternating time and date options along with P.M. time indications and the ability to offset hours for different time zones.

SALIENT CHARACTERISTICS
LITHIUM BATTERIES

- The lithium batteries must be completely sealed and the battery life performance up to 7 years.
- The lithium battery should have the specific energy of 3.6V Li-SOCL2 battery with 1080wh/L.
- The open circuit voltage should be 3.6V with an opening voltage range of 3.3V to 3.6V.
- The battery must maintain voltage between -67 degrees Fahrenheit to 185 degrees Fahrenheit. The battery must stay stable for 90% of its life.

STATEMENT OF WORK
MAINTENANCE

The vendor shall also provide a 3-year software maintenance agreement. The agreement will include updates for operation of server, clocks and address any security issues.

The contractor shall provide technical assistance for the configuration of the computer, clocks and the interface to the network. NASA will provide technicians for the installation of the wall clocks.

Upon delivery of clocks vendor shall provide a detailed testing documentation.