Validation Laboratory Testing

Monday, January 22, 2018

4:45 PM

**Inventory Equipment**

Two (2) Lear RSU Assemblies and each assembly includes:

* 1. One (1) RSU External Enclosure
  2. Two (2) Mounting Kits
  3. Two (2) GPS Antennas
  4. Three (3) WIFI (BT) Antennas
  5. Four (4) DSRC Antennas
  6. One (1) PoE Injector

Two (2) Lear OBU Assemblies and each assembly includes:

* 1. Two (2) OBU External Enclosures
  2. Four (4) Antennas
  3. One (1) Sirius/XM Antenna
  4. One (1) GPS Antenna
  5. Two (2) Mounting Bracket Plates
  6. One (1) External Power Wiring Harness

Two (2) Siemens RSU Assemblies and each assembly includes:

* 1. Two (2) RSU External Enclosure
  2. Two (2) RSU Mounting Brackets
  3. Two (2) GNSS Antennas
  4. Two (2) WIFI/BT Antennas
  5. Two (2) DSRC Antennas
  6. Two (2) LTE Antennas

**Configuration/Integration Of Units**

LEAR RSU/OBU

Passwords provided are inconsistent with what is documented in User Manuals

* 1. To log into unit - Can be accessed via Telnet or SSH
  2. CLI does not automatically start - Username and password required
     1. Username - admin
     2. Password - password
  3. Once CLI starts - Configuration Menu Credentials are required (SuperUser)
     1. Username - root
     2. Password - password
  4. Updated IP address for management -Not eth01
     1. Config interface brtrunk ipv4 192.168.0.40 255.255.255.0

Siemens RSU

Unit requires update of default password before access is granted to GUI

DO NOT POWER UP UNIT UNTIL ALL ANTENNAS INSTALLED!

Uncommon Default IP Address and Password

* 1. Default IP address - 172.24.5.254
  2. Default Username - admin
  3. Default Password - T\_JKFM;5qH

Updated Username and Password:

* 1. Updated Username - admin
  2. Updated Password - P@ssw0rd

* 1. Unit would not allow user to enable WIFI and LTE due to lack of SIM Card
  2. Visually verified Packet Transmit via GUI but no RX packets

**Items completed for Week of January 22, 2018**

1. Successfully wired both Lear units with power and antennas
2. Successfully obtained access to configuration menus on Lear OBU and RSU
3. Changed IP Addresses on the Lear RSU and OBU Units
4. Updated Operational status of both Lear units
5. Enabled MAP, Spat, EVP, and TIM on Lear RSU and OBU
6. Validation team discovered PDM was not supported for ASD
7. Successfully wired and installation of Antennas on Siemens RSU
8. Successfully updated Password on Siemens RSU
9. Enabled GPS on device on Siemens RSU
10. Was able to establish a GPS lock on unit on Siemens RSU
11. Cleared Errors within configuration Menu on Siemens RSU

**Device Manuals - Attached**