



# Service Life Extension Program (SLEP) Upgrade Status

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- ***Signal Processor Technology Refresh***
  - Fully Deployed Mar 2018 (Mod 183 - RSP, SPIP, IFDR)
- ***Transmitter Refurbishment***
  - Backplane/CCA Modernization
    - Fully Deployed Jan 2018 ( Mod 182)
  - Transmitter Modulator Upgrade
    - Fully Deployed Dec 2019 (Mod Note 184)
  - Transmitter Chassis Refurbishment
    - Fully Deployed Feb 2020 (Mod Note 192)

- **Pedestal SLEP Refurbishment (Mod Note 203)**

- Contract awarded Aug 2018, base year with 4 ordering periods to 2023, 2 option periods to 2025 (if needed)
  - Two sites per month, 5 man teams, removal/replacement of the radome/pedestal, pedestal refurbished at contractor facility
- First task order Aug 2018 - Aug 2019 (complete, 19 sites, KCRI first site – use to train contract install teams)
- Second task order Aug 2019 – Aug 2020 (complete, 32 sites, included 4 Hawaii sites)
- Third task order Aug 2020 – Aug 2021 (Complete, 31 sites, includes 7 Alaska sites – round/robin air/shipping/barging/trucking - added Lake Charles in Aug 2021 and installed Dec 21 (refurbished pedestal only)
- Fourth task order Sep 2021 – Sep 2022 (currently on-going – completed 15 of 32 sites, includes last FAA site (San Juan, PR)

## **Pedestal SLEP Refurbishment (Mod Note 203) Cont'd**

- Future Task orders
  - Fifth Task order (26 sites, Sep 22 – Sep 23) overlaps previous task order
  - Sixth Task order (21 sites, Sep 23 – July 24)
- Completed Cleveland, OH and Jacksonville, FL (7-18 March)
- Next sites Milwaukee, WI (28 Mar – 8 Apr) and San Juan, PR (4-22 Apr)
- Total Pedestals replaced current task order is 15 of 32 - total overall is 97 of 163 (60%) or 101 of 167 (60%) counting the 4 spare pedestals refurbished at the beginning of Pedestal SLEP.
- Teams were consistently healthy and have adhered to all safety regulations and site mandates.

### **Issues noted**

- Quality control issues were observed during first 6 sites (2019) but both teams have shown matured improvement which has been consistent in subsequent task orders.
- COVID Impacts: OCONUS shipping costs have increased, can't use same methods as Hawaii and Alaska (air/barging/trucking), must use ocean shipments.
- Three members who sustained significant injuries while transiting to Yuma, AZ have recovered – contractor can quickly augment with additional personnel as needed.
- Weather delay in San Juan (Nov 21) - install team to return (4 Apr) caused a slight change to overall remaining installation schedules. However, anticipate Pedestal SLEP to conclude July of 2024.

- **Shelter Maintenance and Repair (SLEP)**

- NWS/DOD Only. Contract awarded to 2 vendors Sep 2018. Base year, 2 ordering periods to Sep 2022, Each vendor competes for each task order
- Last Shelter Refurbishment Completed in Nov 2021.
- Saved 15% overall due to competition amongst vendors
- Total Shelters repaired 114.

- **Addition of Generator, Automated Transfer Switch (ATS), and Diesel Fuel Tank Replacement (SLEP)**

- Added to SLEP FY19, 123 NWS, 25 DOD, 2 spares
- Utilized ROC Support Contract Team (with two sub contracted teams) to install equipment/tanks/Marseal liner at each site
- Placed all Generator/Automated Transfer Switches (ATS)/Fuel Tanks on contract during FY19-21. Some assets are still awaiting delivery.

## **Addition of Generator, Automated Transfer Switch (ATS), and Diesel Fuel Tank Replacement (SLEP) (Cont'd)**

- Installed KREX Jan 2020
- Installed 25 NWS and 5 DOD (Feb – Jul 2020)
- Installed 44 NWS and 10 DOD (Sep 2020 – Jun 2021)
- Completed 84 of 150 to date (56%).

### **Issues Noted**

- COVID Impacts: Install schedule has been delayed due to OEM (Kohler) generator part shortages - first reported in Nov 2021. OEM has just issued another 4 week delay this month.
  - Seven 100kw generators currently on-hand. Will go forward with installing these at the remaining redundant sites in June.
  - If remaining assets are received by end of next month, anticipate remaining installations to begin early July.
- Stringent air management permits (EPA) required at California sites have been obtained. Expiration dates will be monitored and updated as install dates change.
- Required Kohler REP visits for installation and warranty check before initial engine startup (activates warranty period) are needed to be scheduled well in advance.
- Auto startup issues observed during commercial/generator power switches have been solved through OEM firmware updates. Verification is made during REP visit.