

2019 DMSMS Individual Achievement Award

Ms. Christina Martin, 408 Supply Chain Management Squadron (SCMS), US Air Force

Ms Martin displayed outstanding performance in 2019 and well before! Due to DMSMS issues, Ms Martin is the lead for redesigning the ALQ-172 Radar Jammer system on the B-52 Strategic Bombers, C-130 Combat Talon Special Operations Transport and AC-130 Gunship aircraft, through 12 different engineering redesign projects. In May 2019, she awarded another engineering redesign contract for 2 more Line Replaceable Units (LRUs) totaling \$71.6M. This brings the total of all engineering projects currently being managed by Ms Martin to \$345M. The expected savings/cost avoidance is greater than \$10M for both of the LRU redesigns in 2019.

The Mean Time between Failure (MTBF) has improved with each redesign. For example, the legacy LRU-1 has an MTBF of 430 hours and the redesigned LRU-1 has an estimated MTBF of 2500 hours. The new LRUs will have an improved shelf-life which will ensure they are available to support aircraft missions.

Ms Martin worked with the Sustaining Engineering Program Office at Tinker AFB to ensure her project has all the necessary components to be approved and funded. Once it was funded, she then worked with her Integrated Product Team to get a contract in place with a qualified contractor.

In resolving the DMSMS-related issues through these redesigns, Ms Martin has ensured the ALQ-172 system obtained inherent growth and enhanced mission capability automation, multiband coverage, simultaneous multiple threat recognition and jamming, digital computer control, and jamming capabilities for the warfighters.