Maturity, Testing & Fielding: The core technology has already been declared Technical Readiness Level 7 by the U.S. Government which means that LRDR demonstrated its system prototype in an operational environment.

This TRL assessment was primarily achieved through the integration and testing conducted (LM) Solid State Radar Integration site (SSRIS) in Moorestown, NJ.

- The SSRIS is a scaled version of the LRDR radar that uses production hardware, tactical backend processing equipment, along with tactical software and successfully demonstrated prototype system performance in an operational environment.
- Since 2018, the SSRIS performed numerous live, precision satellite tracking exercises, including the Lincoln Calibration Sphere-4 (LCS-4). These events reduced risk for the LRDR SDA mission and enabled the radar to verify calibration, track accuracy, and system performance. During an LRDR Capability Exercise Event in December 2020, the SSRIS tracked over 200 satellites for
 Active Electronically Steered Array (AESA) technology and overall readiness.
- o Throughout 2021, the SSRIS tracked five space

and Cape Capon S5399 Tm0