

10 May 2024 Allan Knox SARSAT Program Analyst









Status of US SARSAT Program

Space Segment Providing U.S. SAR Region Coverage



The Present

US LEOSAR's; (3) (NOAA 15, 18 and 19) all operating beyond life expectancy

METOP - 'B' (1) US contribution operated by EUMETSAT

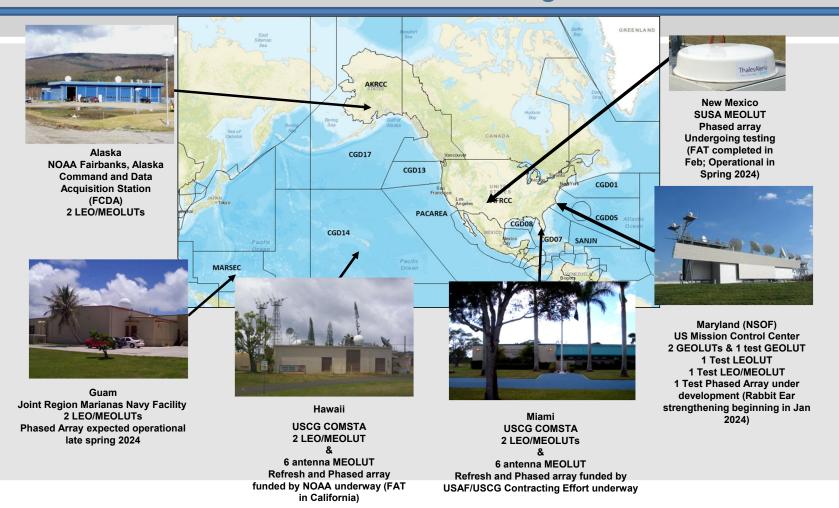
RF COSPAS- (2) 14, 15 and 16 (15 and 16 Undergoing testing) with 2 additional launches scheduled

GOES (2) 14 and 15 with GOES U/16 Launching mid April of 24



- SAR GPS (US): On scheduled to begin launches in 2026

US SARSAT Ground Segment



SARSAT Beacon Totals

- More than 771,149 U.S. beacons in the NOAA Registration Database as of January 31, 2024
 - 159,277 ELTs
 - 310-941 EPIRBs
 - 359,241 PLBs
 - 265 SSAS
- 114,065 DoD devices registered in JSETS
- Estimated worldwide beacon population at the end of 2023:
 - 2,006,000 (+2.8% annual increase)



COSPAS-SARSAT Rescues

350 lives saved in the U.S. in CY 2023

Rescues at sea: 255 people rescued in 84 incidents Aviation rescues: 44 people rescued in 22 incidents Terrestrial rescues: 51 people rescued in 40 incidents







Number rescued world-wide since 1982: over 50,000

Number rescued in United States since 1982: 10,455

Other Significant Happening

- Second Generation Beacons
 - SGB ELT(DT) Operational as of 1 January 2023
- Two-Way Communications
 - Underway (EWG on TWC February; hosted in Turkey)
- LGM Commissioning Efforts
 - Brazil underway
 - Japan Delta Commissioning for SGB and ELT(DT)s
- Phased Array LUT commissioning

Questions

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Other Significant Happening (Cont)

- Phased Array LUT commissioning
 - Moving Beacon testing now being conducted by internal NOAA Team.
 - Purchased two Free Fly Astro UAS and have two certified Part 107
 Pilots

