SAR Systems Operational Analysis

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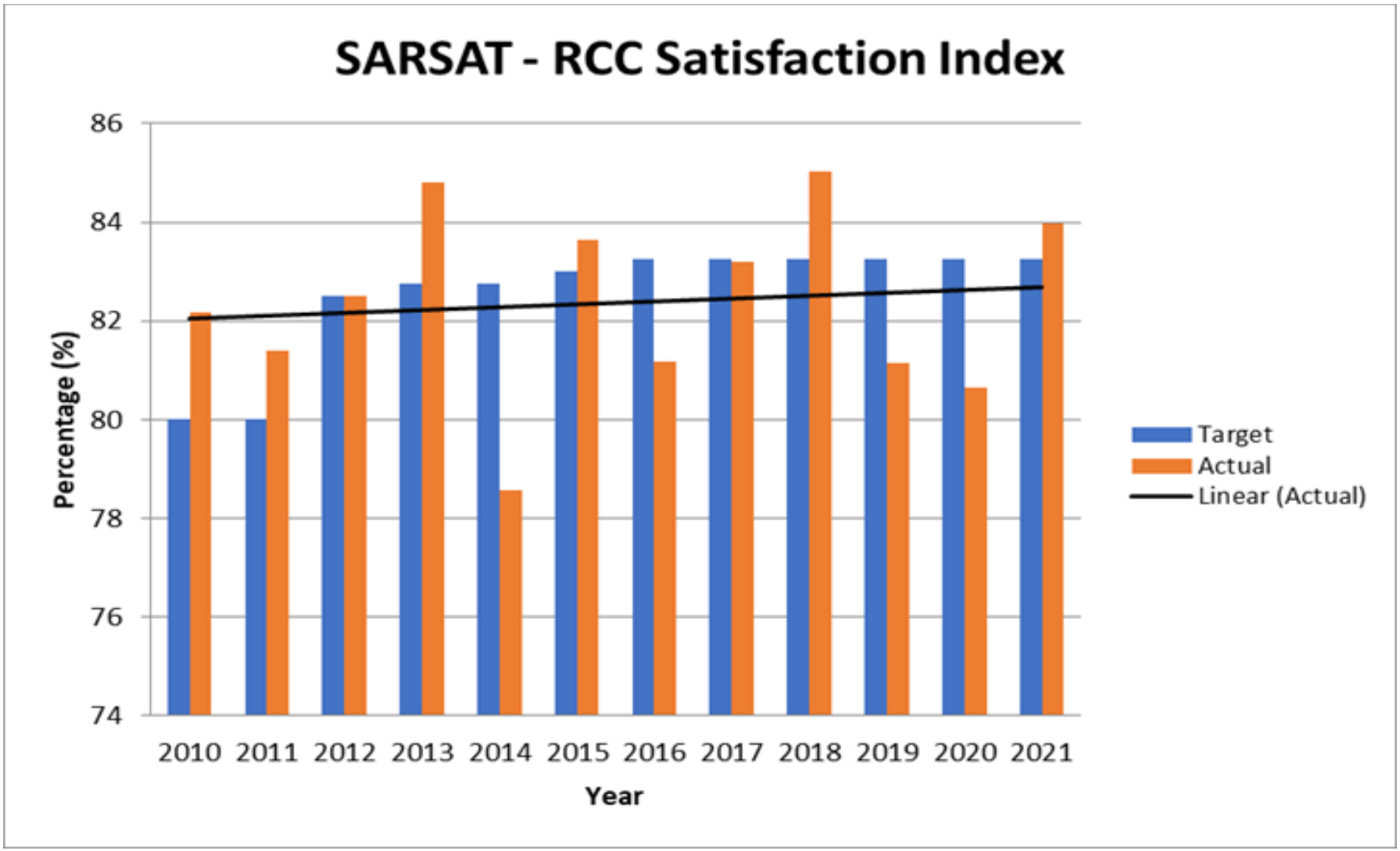
Edwin Thiedeman
CG-7611
SAR Systems Sponsor's Representative

What is an Operational Analysis (OA)?

- The OA is an annual check of a system's performance and health status.
  - Required by DHS
  - Assesses system status and associated DOTmLPF R/G/S
- The OA's provide necessary information to assess and improve the program.
- OA's identify trends (both good and bad).
- OA's support resource allocation decisions.
- We can't fix the problems we don't know.

Example of Trend Analysis



2022 SAR Systems OA

- Assessed SARSAT, SAROPS, AMVER, SLDMBs, and GMDSS Inmarsat and Iridium services. Inputs:
  - 2021 SAR Controllers Workshop
  - 2021 SARSAT Survey
  - SAROPS IPR and Rigor Meetings
  - AMVER Rigor Meetings and pre-CCRI Review
  - Other Interviews/Meetings
- USCG JRCC/RSCs completed the SARSAT survey as a unit (only 06 of 11 submitted).
  - An unknown issue, remains unknown.

2022 SAR Systems OA Results

- SARSAT LEOSAR/GEOSAR stable; MEOSAR, Second-Generation Beacons and Distress Tracking ELTs being introduced and identified issues addressed.
- SAROPS transitioning to web-based client; SAROPS desktop entered limited sustainment.
- AMVER entering technology refresh cycle; operational and performance requirements were validated.

2022 SAR Systems OA Results

- SLDMB data shows >85% operation; review of data shows anomalies now under investigation; manufacturer pursuing tech updates (e.g. GPS, sensor, electronics).
- GMDSS Inmarsat – RescueNET/SafetyNET II applications replacing SafetyNET.
- GMDSS Iridium – in implementation phase for SafetyCAST application and backup terminals.

In Summary…

- **DHS requires OA's be conducted annually.**
- **SARSAT Survey is one of SAR Systems OA inputs.**
- **OA's raise performance and other issues to senior leadership awareness.**
- **OA's support resource allocation.**
- **Unknowns remain unknown**
  - **Without input from users, changes may not get triggered.**
  - **A squeaky wheel gets noticed and may prevent a broken axle.**

Contact us!

Mr. Edwin Thiedeman is the CG-761 Sponsor's Representative for SAR Systems:

Email – Edwin.B.Thiedeman@uscg.mil

Phone – (202) 372-2083

LCDR Matthew Carlton is the USCG SARSAT Liaison:

Email – Matthew.A.Carlton@uscg.mil

Phone – (202) 372-2089