

C5RA Details

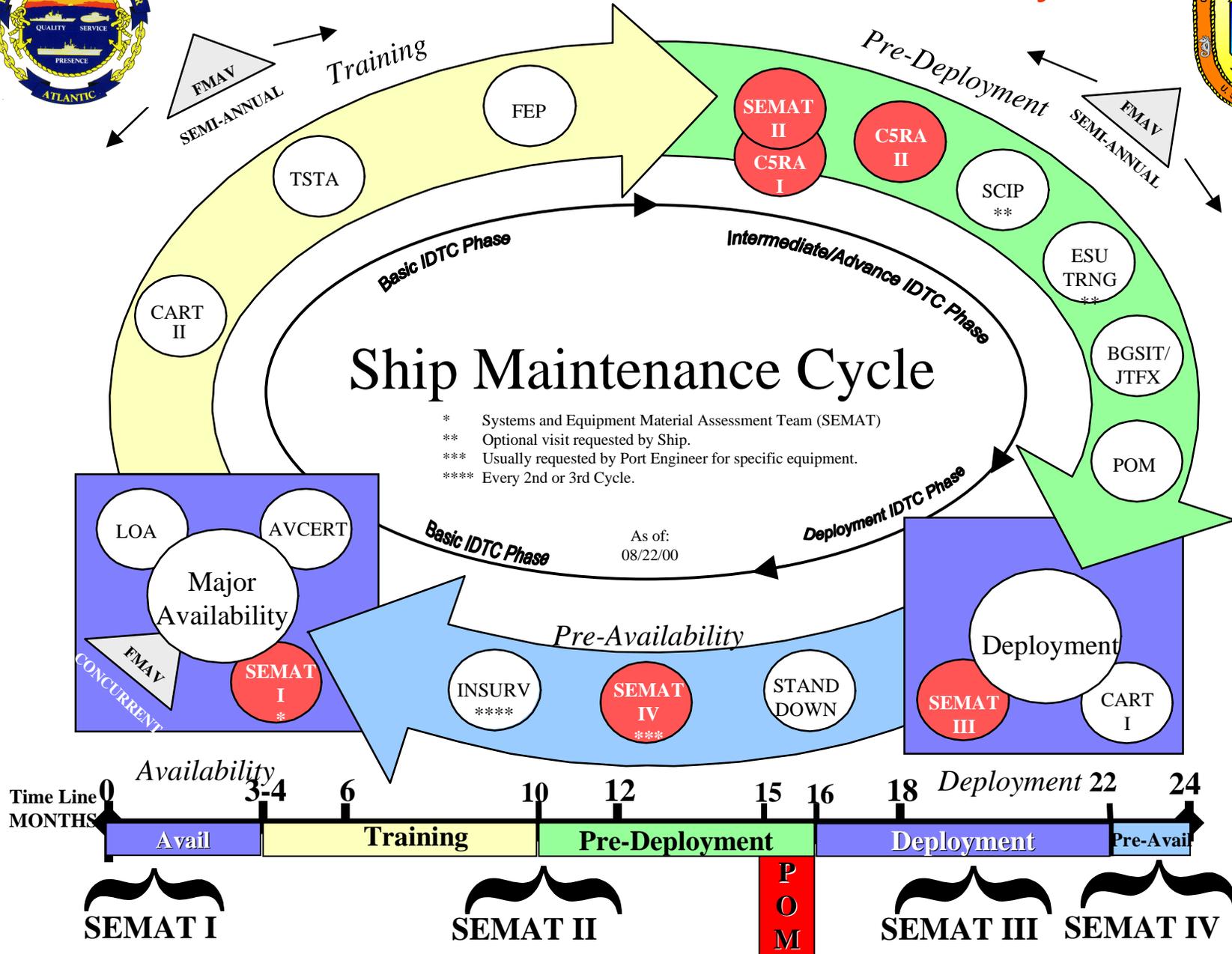
08/30/00

C5RA - Revised Maintenance Philosophy

- Sep/Oct 98 Navy set a course to reduce time spent on inspections/certifications/etc., during a Ship's Inter-Deployment Training Cycle (IDTC) and provide more time to Ship's Commanding Officers
- New inspection philosophy is two part:
 - Only inspect the right things at the right time
 - Only inspect them once during a Ship's IDTC
- Apr 99 Fleet Review Board consolidated/canceled majority of inspections/assist visits across entire Fleet
- Apr 00 COMNAVSURFLANT redesignates Combat Systems Readiness Review (CSRR) as Combat Systems, Command, Control, Communications and Computer Readiness Assessment (C5RA)



CNSL Continuous Maintenance Cycle



C5RA - Purpose

- C5RA
 - Duration: two, 2-week phases. Phase I is in conjunction with C5RA II and Phase II (if required) typically follows in 4 - 8 weeks.
 - Lead Assessment Activity: FTSCCLANT 4104
 - When: Prior to Deployment
 - Focus: Pre-Deployment preparation and input for next availability
 - Sample Assessment Objects: Communications Systems, Electronic Warfare Systems, Fire Control Systems, Navigation Systems, Radar Systems, Sonar Systems, and Weapons Systems
- C5RA Phase I assesses, repairs and trains. Phase II performs additional repairs and training as required based on the results of Phase I.

C5RA - Guiding Principles

To ensure successful accomplishment of, and future benefit from C5RA visits, COMNAVSURFLANT and executing activities follow these guiding principles:

- Maximum of one look per object per cycle (IDTC).
- C5RA uses existing Navy systems and databases: 3-M, CSMP, Regional Maintenance Automated Information System (RMAIS), Integrated Class Maintenance Plan (ICMP), SCLISIS/CDMD-OA, Master Assessment Index (MAI), and SNAPSHOTS.
- C5RA develops and uses standard test procedures in PMS. Although assigned for assessment team accomplishment, these test procedures are also available for Ship's Force self-assessment.

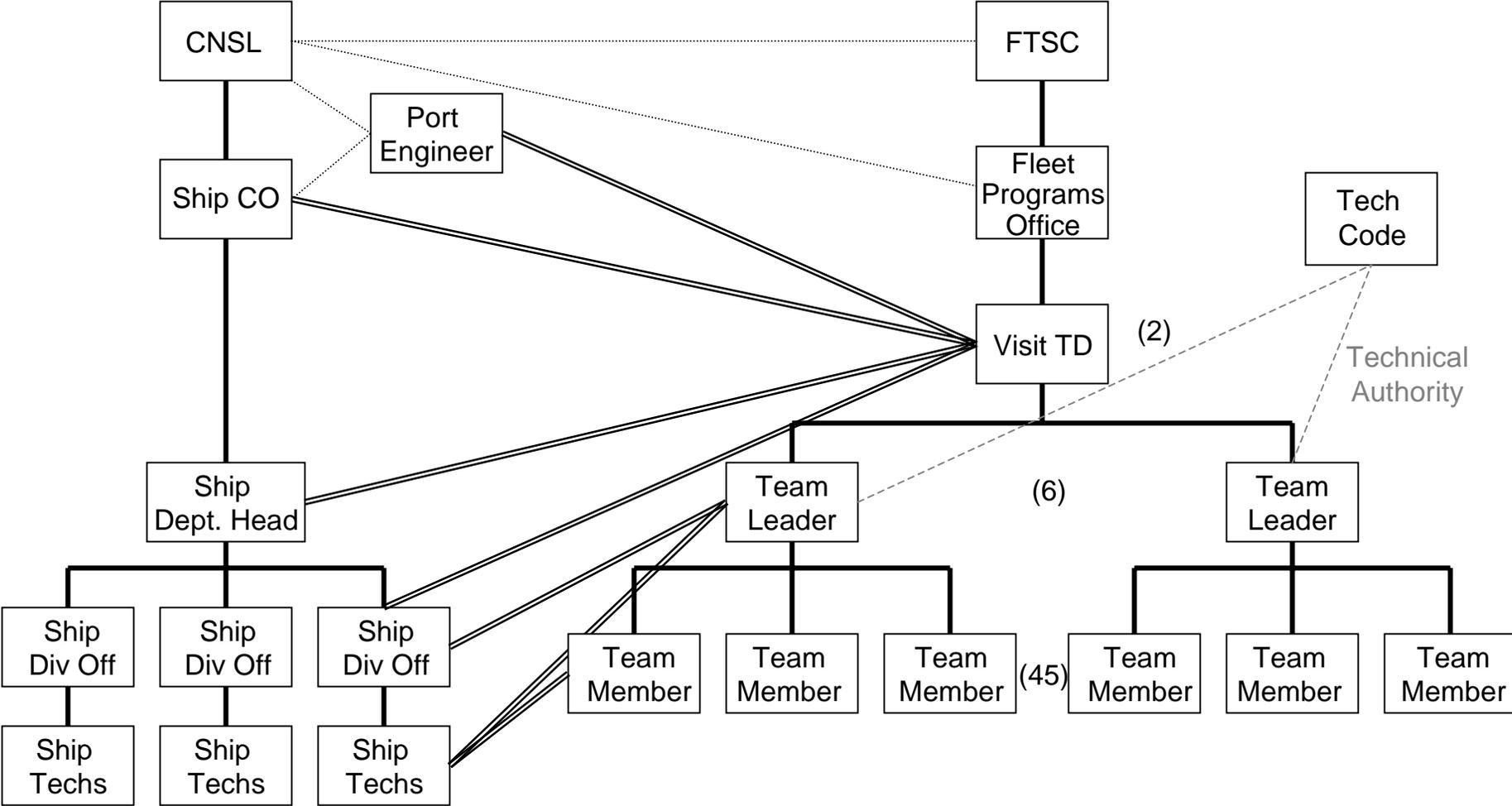
C5RA - Guiding Principles (Cont.)

- C5RA documents material discrepancies on OPNAV 4790/2Ks. Discrepancies are reviewed and screened by Ship's Force and Maintenance Manager. All discrepancies are entered into the CSMP.
- C5RA documents configuration discrepancies on OPNAV 4790/CKs and upload via CDMD-OA when possible.
- C5RA uses the Navy supply system. C5RA attempts to expedite delivery, locate items not carried by the supply system, addresses recurring problems, and maximizes use of no-cost programs (e.g., CRAMSI, RAM, Gold Disk for electronic diagnosis and repair, etc.).

C5RA - Guiding Principles (Cont.)

- C5RA uses existing financial systems for part support. Repair parts are purchased using EMRM, FMA parts using ROV, and depot-level repairs using ship depot maintenance funding.
- C5RA follows standard Navy Maintenance and QA processes for criticality and level of work.
- No grades or performance evaluations are assigned. Copies of Visit Summaries are given only to Ship's CO, FTSC/LANT/SUPSHIP program manager, and the CNSL sponsor.

C5RA - Visit Relationships



C5RA - Visit Personnel

- Visit Technical Director (TD) - Technical/logistics coordinator for CSRR Phase I and Phase II visits
- Visit Assistant Technical Director - Assists TD and coordinates tag outs with Ship's Force
- Visit Team Leader - Senior subject matter expert in charge of series of systems or equipment during visit
- Visit Team Member - Subject matter expert who conducts assessments, repair assistance, maintenance training
- Visit Team Support - Data entry and repairs parts researcher/ locator/expeditor

C5RA - Execution Summary

- In-brief Ship's Force on visit specifics and first day test plan
- Conduct material condition assessments
- Provide maintenance training
- Assist with repairs
- Daily progress and next day planning briefings
- Review, validate and correct 2-Kilos already in CSMP
- Find and expedite repair parts
- Document discrepancies
- Provide risk assessments
- Generate feed backs
- Collect metrics data
- Debrief ship on visit results and material condition
- Update EOC values for TSP entry

C5RA - Visit Assessment Procedures/Equipment

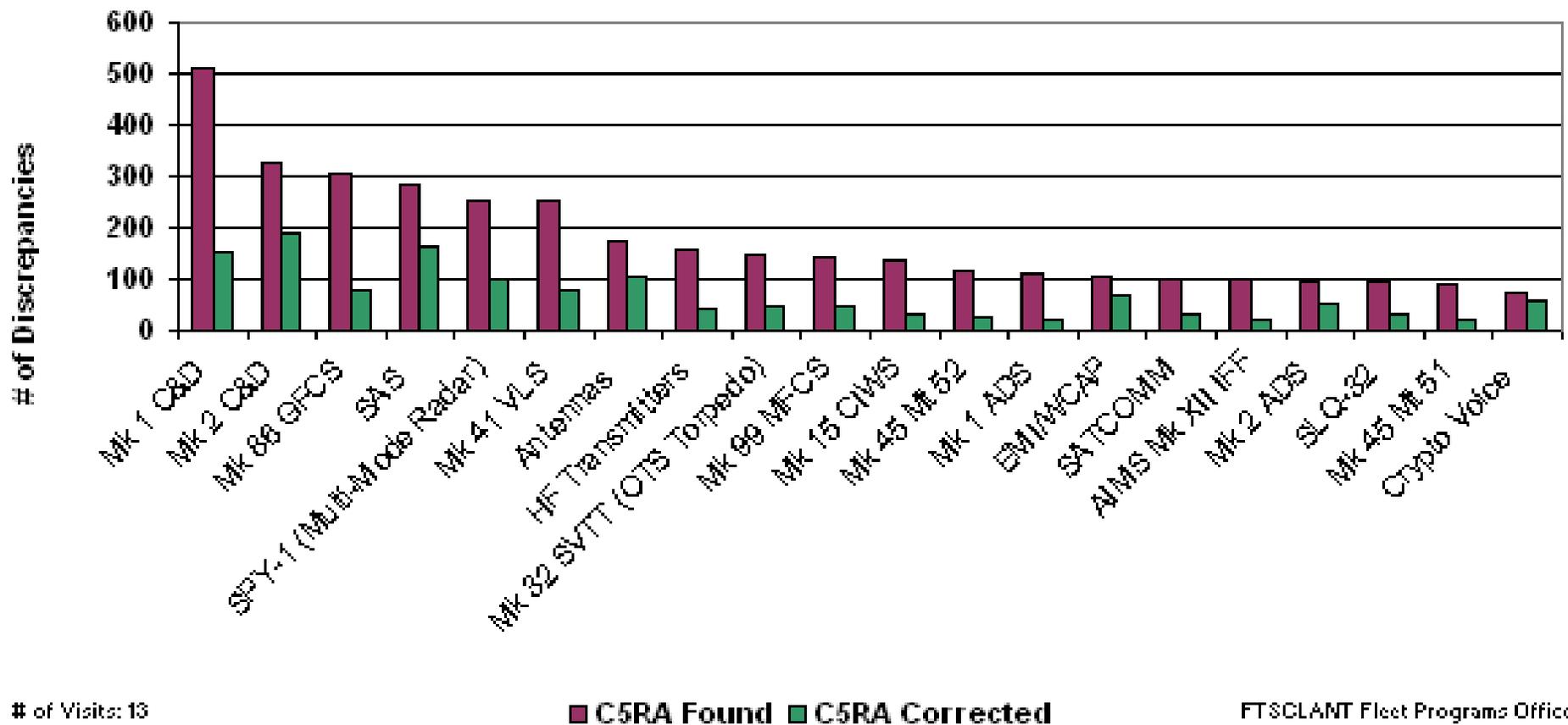
- Crypto Checks
- Radar Radiate
- Sonar Transmission
- Radio/Link Transmission (Comm Checks)
- Daily System Operability Tests (DSOT)
- Anti-Submarine Warfare Sonar Consolidated Operability Tests (ASW SCOT)
- Programmed Operational Functional Appraisal (POFA) Tests
- Mk 32 SVTT Air Slug
- Antenna Voltage Standing Wave Ratio (VSWR)
- Overall Combat Systems Operability Tests (OCSOT)

C5RA - Visit Outcomes

FY 1998 - FY 2000

9/19/00

CG 47 Class C5RA Phase I MOE 2b: Top 20 Systems for C5RA Discrepancies

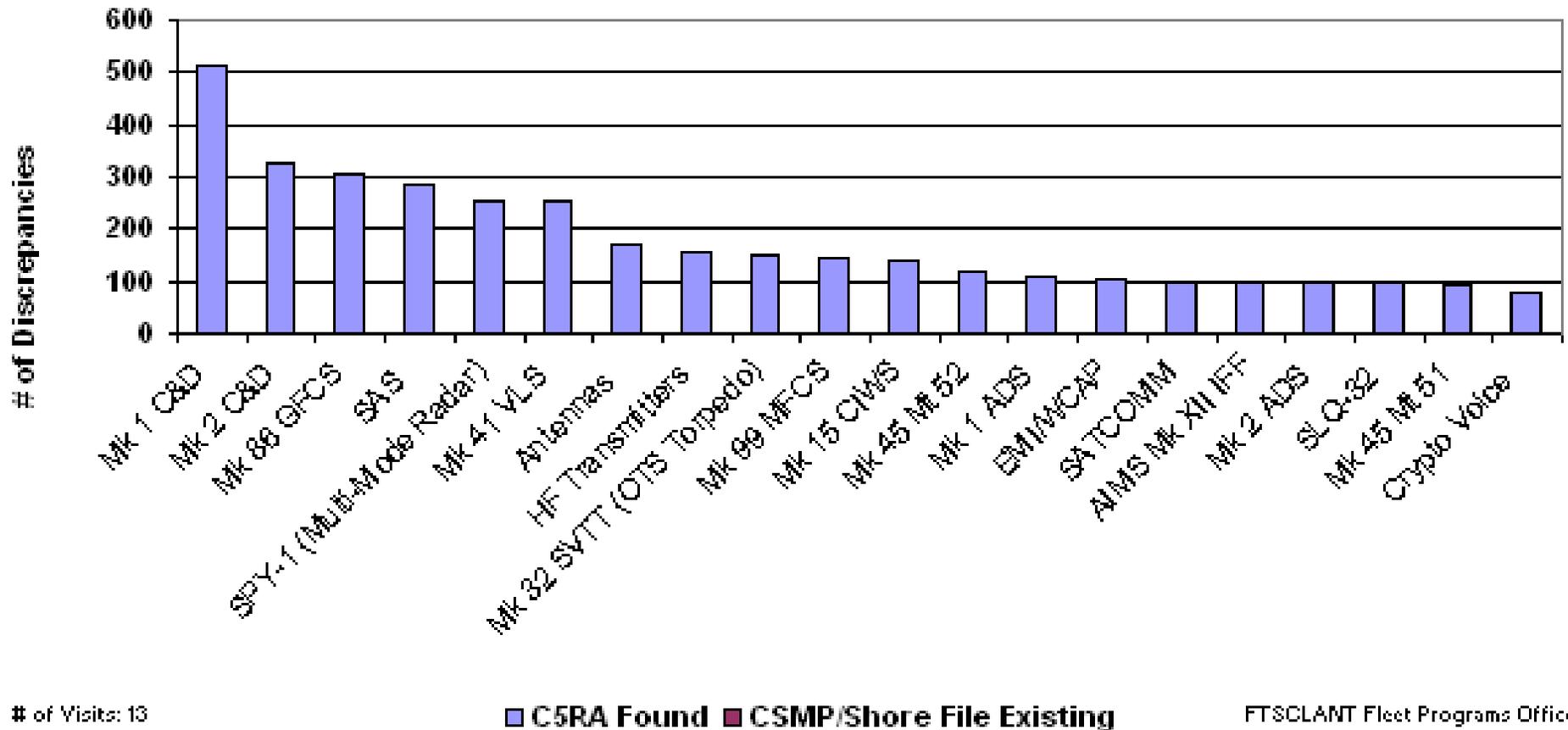


C5RA - Visit Outcomes

FY 1998 - FY 2000

9/19/00

CG 47 Class C5RA Phase I MOE 6a: Top 20 Systems for Total Discrepancies



C5RA - Conclusion

- C5RA is a vital part of Fleet Maintenance Philosophy
- Objective System/Equipment Assessment.
- No report for Chain-of-Command; all documentation is via the CSMP and 3-M.
- The true customer is Ship's Force and Port Engineer/Maintenance Manager.
- Visit Team stays connected to Fleet via Technical Assists, other visits, and Direct Fleet Support.
- Validated material condition of ship improved maintenance planning (validated work candidates).