



SOFTWARE RELIABILITY MODELING AT NSWCD

- SLBM Software Development program initiated research in 1981
 - Investigated “software reliability modeling” approaches
 - Developed a useful reliability tool for QA (SMERFS)
 - Applied software reliability methodology on the Trident I (C4) and Trident II (D5) systems
- Engineering of Complex Systems (ECS)
 - Sponsored by the Office of Naval Research.
 - One particular task was to develop methodologies and their implementations for the evaluation and assessment of “complex” systems.
 - Development of SMERFS³ (Statistical Modeling and Estimation of Reliability Functions for Systems: Software, Hardware, and Systems)