

SLR2000 Work Instructions for Software Teams
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NASA/GSFC (Jan McGarry)

Lead the software team in the development of:

- (1) a software design and supporting documentation
- (2) program code and supporting documentation
- (3) a software verification plan and supporting documentation

Design, code, test and document the Interface and Control Computer (ICC) software.

Be the liaison between the software and hardware teams.

Lead the software team in the testing of the software and the documentation of tests.

Lead the software team in supporting:

- (1) the integration of the hardware
- (2) system testing.

Lead the effort to develop the required algorithms for SLR2000.

Raytheon STX (RSTX)

Participate in the overall design of the SLR2000 software system.

Design, code, test and document the Pseudo-Operator (POP) computer software.

Support the SLR2000 system integration and testing.

Support the algorithm development.

Design, code, test and document the software for the Meteorological System and the Infrared Sky Camera for the Data Analysis Computer (DAN).

Provide system administration for all SLR2000 computers and supporting computers.

AlliedSignal Technical Services (ATSC)

Participate in the overall design of the SLR2000 software system.

Design, code, test and document the Data Analysis (DAN) computer software.

Support the SLR2000 system integration and testing.

Support the algorithm development.

Lead the effort to develop a Software Test Plan for all systems, including benchmark tests for the Data Analysis software.

Design, code, test and document the Dome Control System (DCS) software.

University of Texas

Participate in the overall design of the SLR2000 software system.

Design, code, test and document the Remote Access Terminal (RAT) software.

Support the SLR2000 system integration and testing.

Support the algorithm development.

Convert the New Controller Starcal software for use on POP.