

System Engineering and Analysis/Advanced Technology Support

Quality System

Quality is engineered into every aspect of NATC services and products and is applied consistently.

NATC certifies that all test and measurement equipment used by NATC personnel or supplied and installed by NATC to be used in conjunction with testing performed on any customer equipment shall be calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology (NIST).

NATC further certifies that the NATC calibration procedures conform to ANSI/NCSL Z540-1 (formerly MIL STD 45662A), and the inspection requirements of MIL I 45208. NATC is periodically audited by DCAAS and has successfully passed all quality and calibration systems inspections to date. All test vehicles and subsystems, including all test and measurement equipment onboard test vehicles or subsystems fall under the NATC calibration and quality systems provisions and are calibrated in accordance to these inspection requirements.

The NATC Quality Systems Manual (QSM) is available for inspection on site by request, as are all non-proprietary documents and procedures relating to equipment calibration. NATC issues a Certificate of Traceability for all instrumentation used for test and measurement purposes on each contract upon request. This certificate is issued at completion of testing for the interval during which the test vehicle was used. Each equipment item has a calibration interval which is established by the NATC Quality Control Manager based upon equipment type, usage, and demonstrated stability over successive calibration intervals. Calibration data for all test and measurement equipment are retained for the service life of each instrument from date of purchase.

Data/Product Quality and Analysis

Planned and periodic management assessments, involving all levels of management, are conducted to improve quality. Assessments include action to correct deficiencies, cause identification, action to be taken to prevent recurrence, lessons learned and actions to be taken for improvement. Results from the management assessments are documented and any deficiencies corrected promptly.