∑ XTCE GOVSAT Tool Suite 1.0

The XTCE GOVSAT software suite contains three tools: validation, search, and reporting. The Extensible Markup Language (XML) Telemetric and Command Exchange (XTCE) GOVSAT Tool Suite is written in Java for manipulating XTCE XML files. XTCE is a Consultative Committee for Space Data Systems (CCSDS) and Object Management Group (OMG) specification for describing the format and information in telemetry and command packet streams. These descriptions are files that are used to configure real-time telemetry and command systems for mission operations. XTCE's purpose is to exchange database information between different systems.

XTCE GOVSAT consists of rules for narrowing the use of XTCE for missions. The Validation Tool is used to syntax check GOVSAT XML files. The Search Tool is used to search (i.e. command and telemetry mnemonics) the GOVSAT XML files and view the results. Finally, the Reporting Tool is used to create command and telemetry reports. These reports can be displayed or printed for use by the operations team.