

# Technical Support, Systems Engineering, & Engineering Services

## NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

### PROJECT SUMMARY

Riverside Technology, inc. (Riverside), in cooperation with its subcontractors General Dynamics and BAE Systems, provides technical support and system engineering services for two major satellite development programs at the National Oceanic and Atmospheric Administration (NOAA) and NASA: JPSS and GOES-R. These multi-billion dollar programs represent the next technology generation of environmental satellites critical for weather forecasting, climate research, and natural hazards detection and monitoring. Riverside works in partnership with NOAA and NASA managers and engineers in technical and programmatic monitoring and oversight of the JPSS and GOES-R satellite contractors responsible for satellite ground systems, instruments development, systems integration and spacecraft launch.

LOCATION  
North America

PERIOD  
2007 – Present

### PROJECT DETAILS

NOAA's Technical Support, Systems Engineering and Engineering Services (TSSEES) task order contract provides system engineering and technical assistance (SETA) support for two major components of the NOAA/NASA satellite systems:

1. Joint Polar Satellite System (JPSS)
2. Geostationary Operational Environmental Satellite – series R (GOES-R)

Riverside is providing critical support for five offices that make up the TSSEES contract. Each office is defined as a task, with specific activities performed by Riverside and its team of industry partners:

#### Task 1: NESDIS Headquarters

- Budget analysis and planning
- Technical writing/editing
- Publication and presentations development

#### Task 2: Office of Systems Development (OSD)

- Strategic planning of satellite systems
- Budget planning and justification for systems acquisitions
- Requirements management for remote and in situ environmental observations

#### Task 3: JPSS Program

- Systems engineering
- Hardware & software configuration management & change management
- System testing & validation
- Environmental information products generation
- Program control, administration and executive level communications
- Public outreach
- Trade studies

#### Task 4: GOES-R Program

- Requirements tracking/management
- Hardware & software configuration management
- Science algorithms & science products generation
- Program control & administration
- Environmental information products development
- Instrument development & calibration
- System test and evaluation

#### Task 5: Office of the Chief Information Officer (OCIO)

- Systems requirements tracking/management
- Development of federally mandated information and documentation for information systems compliance
- Coordination of requirements and acquisitions with other NOAA Line Offices
- Major systems security risk analysis and mitigation strategies

To learn more about the NOAA Satellite Programs, visit the NOAA/NESDIS website at <http://www.nesdis.noaa.gov/>.



### RELATED PROJECTS

NESDIS Environmental Satellite Processing Center Support

NESDIS Satellite Analysis Branch

NESDIS NPOESS Data Exploitation

Integrated Data and Environmental Applications Center Support

RIVERSIDE

global science solutions

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