Signal and Image Processing Engineer: Signal and Image Processing Engineer IV

Researches, designs and develops signal and image collection, processing, and dissemination systems. Develops requirements analysis, system architecture, and integrates new signal and image processing technology systems. Designs, develops and analyzes systems for the extraction of information from signal and image sensors. Systems utilization include as detection and estimation theories, speech processing, and neural networks; electromagnetic and acoustic effects on signals; and implementation of signal processing with advanced computer architectures.

Discretion/Latitude
Work is performed without appreciable direction. Exercises some latitude in determining technical objectives of assignment. Completed work is reviewed for desired results.

Knowledge, Skills and Abilities
Applies technical expertise, and has detailed knowledge of other related disciplines.

Problem Solving
Develops technical solutions to complex problems that require the regular use of ingenuity and creativity.

Impact
Plans and conducts assignments, generally involving larger and more important projects or more than one project. Erroneous decisions or recommendations would typically result in failure to achieve major contract objectives.

Liaison
Represents the organization as the technical contact on contracts and projects. Interacts with external personnel on technical matters often requiring coordination between organizations.

Minimum Education and Experience
8-10+ years with BS in designated Engineering or related field.