Signal and Image Processing Engineer: Signal and Image Processing Engineer III

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
Works under only general direction. Independently determines and develops approach to solutions. Work is reviewed upon completion for adequacy in meeting objectives.

Knowledge, Skills and Abilities
Complete understanding and wide application of technical principle, theories, and concepts in the field. General knowledge of other related disciplines.

Problem Solving
Provides technical solutions to a wide range of difficult problems. Solutions are imaginative, thorough, practicable, and consistent with organization objectives.

Impact
Contributes to the completion of specific programs and projects. Failure to obtain results and/or erroneous decisions or recommendations would typically result in serious program delays, and considerable expenditure of resources.

Liaison
Frequent inter-organizational and outside customer contacts. Represents the organization in providing solutions to technical issues associated with specific projects.

Minimum Education and Experience
5-8+ years with BS in designated Engineering or related field.