

# Signal and Image Processing Engineer: Signal and Image Processing Engineer I

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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 closely supervised. Follows specific, detailed instructions and/or guidance from more senior functional staff.

## **Knowledge, Skills and Abilities**

Limited use and/or application of basic technical principles, theories, and concepts to specific job assignments.

## **Problem Solving**

Develops solutions to routine technical problems of limited scope by following standardized practices and procedures.

## **Impact**

Contributes to the completion of routine technical tasks. Failure to achieve results can normally be overcome without serious effect on schedules and programs.

## **Liaison**

Contacts are primarily with immediate supervisor, project leaders, and other professionals in the section or group.

## **Minimum Education and Experience**

0-2+ years with BS in designated Engineering or related field.