Systems Modeling Engineer: Systems Modeling Engineer IV

Performs system and subsystem integration, technical risk assessments, technical planning, verification and validation, and supportability and effectiveness analyses of total systems throughout the system lifecycle. Analyses are performed at all levels of total system product implementation to include: concept, design, fabrication, testing, installation, operation, maintenance and disposal. Performs functional analysis, timeline analysis, detail trade studies, requirements allocation and interface-definition studies to translate customer requirements into hardware and software specifications.

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

Knowledge Skills & 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 the larger and more important projects. 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 a BS in designated Engineering or a related field.