

# Electromagnetic Engineer: Electromagnetic Engineer III

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Designs and tests electromagnetic products and testing processes using electromagnetic interference (EMI) and electromagnetic compatibility (EMC) concepts and solutions. Applies MIL standards and specifications to modify requirements to meet product performance. Performs EMI/EMC, lightning and electromagnetic pulse (EMP) analysis. Creates test reports, procedures and EMI/EMC control plans. Uses software such as PSpice and Math CAD.

## **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 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.