

NAVAL  
SHORE ELECTRONICS  
CRITERIA

**ELECTROMAGNETIC COMPATIBILITY  
AND  
ELECTROMAGNETIC RADIATION HAZARDS**

DEPARTMENT OF THE NAVY  
NAVAL ELECTRONIC SYSTEMS COMMAND  
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## FOREWORD

This handbook presents engineering material concerning electromagnetic compatibility (EMC) and electromagnetic radiation hazards (RADHAZ) to be used as a guide during the planning of a new installation or in the addition of equipments to existing facilities. Its purpose is to acquaint the reader with the effects of the interactions of electromagnetic radiation (EMR) with materiel and personnel from both an interference and a hazards viewpoint, to provide means of predicting such effects, and to enable the reader to plan for the elimination or protection of such potential interactions where necessary. To achieve this purpose, the book describes NAVELEX programs dealing with EMC and RADHAZ, provides basic background material, prediction techniques, evaluation and measurement techniques, and design and installation practices to achieve equipment compatibility and a hazards-free environment for naval shore installations.



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