BS ISO 4917-1:2024

BSI Standards Publication

Design of nuclear power plants against seismic events

Part 1: Principles

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National foreword

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Phone: +41 22 749 01 11
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Foreword

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Introduction

In accordance with IAEA Safety Standards Series No. SSR-2/1, protective measures against seismic events are required, provided earthquakes are taken into consideration.

Earthquakes comprise that group of design basis external events that requires taking preventive plant engineering measures against damage and which are relevant with respect to radiological effects on the environment.

This document will be applied under the presumption that the geology and tectonics of the plant site have been investigated with special emphasis on the existence of active geological faults and lasting geological ground displacements, and that the site has been deemed suitable for a nuclear installation.

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