

Centralized Reliability and Events Database

Reliability Data for Nuclear Power Plant Components - June 2010

3rd upgrading to VGB-TW805e

Preface

The Centralized Reliability and Events Database (ZEDB) provides reliability data that can be used in ongoing and future probabilistic safety analyses (PSAs) conducted by the owners/operators of nuclear power plants contributing to the database.

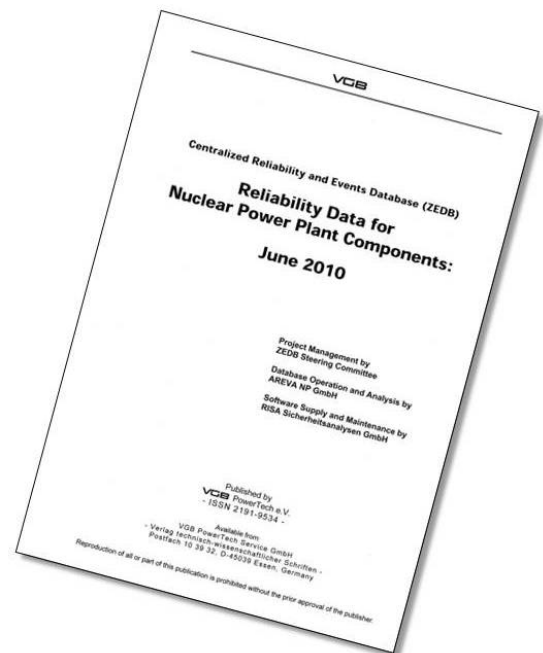
In connection with the preparation and application of plant-specific PSAs, a need exists for plant-specific reliability data based on current operating experience with the equipment concerned.

The Centralized Reliability and Events Database (ZEDB) was set up by the Technical Association for Power and Heat Generation (VGB) to meet this need. This database gathers and analyzes operating experience gained at a large number of nuclear power plants.

In 1999 an analysis was performed for the first time of some of the operating experience stored in the ZEDB, the results of this analysis being published in a data book.

Further analyses followed in 2000, 2002 and 2004, during which time there was an increase in both the number of analyzed components and the scope of operating experience.

As of December 2006, the format used for publishing the ZEDB analysis results has been changed over to the looseleaf compilation presented here. Now it is possible to update the analysis results to incorporate new operating experience and to expand the scope of analyzed components by supplying looseleaf sheets to replace or supplement the previous contents, without having to publish the entire data book again.



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