VGB Guideline
Reference Designation System for Power Plants RDS-PP

Letter Code for Power Plant Systems (System Key)
3rd revised edition 2011 (b)

VGB-B 101e

Published by:
VGB PowerTech e.V.

Obtainable at:
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ISBN 978-3-86875-224-3

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Foreword

This guideline was prepared by the VGB Working Panel "Reference Designation and Plant Documentation", which is attended by power plant operators and maintenance contractors as well as designers and suppliers of power plants.

The tasks of this Working Panel also include the preparation and maintenance of discipline-specific and power plant type-specific guidelines as well as the letter codes for power plant systems (system key).

The members of the Working Panel represent the interests of VGB PowerTech e.V. in national and international standardization committees.

Staff members of the following companies listed below contributed to preparing the "Letter Codes for Power Plant Systems" guideline:

- ABB
- ALSTOM, Alstom Power Systems
- E.ON
- Endress+Hauser
- STEAG Power Saar GmbH
- ingenieurbüro gabo gmbh
- iXIT
- KRAFTWERKSSCHULE
- PASYS
- RWE Technology GmbH
- Siemens (Energy Sector)
- Vattenfall Europe Generation
- VERBUND-Austrian Hydro Power
- VGB PowerTech

The list makes no claim to distinctiveness and legal unambiguousness of the company names given.

ISBN 978-3-86875-224-3
Amendments

All Amendments, compared with Version VGB-B 101e : 2010-04 (2nd revised edition), are made recognizable in the text passage with an outer frame line and in the appendix with the letter "b".

Previous editions

- First edition VGB-B 101e : 2007-05
- 2nd revised edition VGB-B 101e : 2010-04

The VGB Working Panel "Reference Designation and Plant Documentation" is responsible for edition and update of this guideline.

Essen, December 2011
VGB PowerTech e.V.

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Introduction

The basic international standards for reference designation provide users with generally applicable general rules and letter codes for main classes for the designation of technical objects and their documentation.

The standard for power plants establishes sector-specific specifications based on the basic standards, and also includes options to enable application for different power plant types.

The fulfillment of specific designation tasks and addressing of collections of information necessitates coding systems which establish a relationship between the object names and letter codes.

IEC 81346-2 provides non-sector-specific binding letter codes for main classes and subclasses for technical systems and components, classifying the objects according to purpose and task.

For the designation of power plant systems, table 3 of IEC 81346-2 provides a framework for the designation of "infrastructure objects". This Guideline, VGB-B 101e, assigns the power-plant-specific systems to letter codes based on this framework.

The relationships between the documents for designation tasks and the relative position of Guideline VGB-B 101e with respect to these are shown in Figure 1 below.
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