

Application of Markov techniques

The European Standard EN 61165:2006 has the status of a British Standard

ICS 03.120.01; 03.120.30; 21.020; 29.020

National foreword

This British Standard is the UK implementation of EN 61165:2006, which is identical with IEC 61165:2006. This standard supersedes BS 5760-15:1995, which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee DS/1, Dependability and terotechnology, to Subcommittee DS/1/1, Dependability.

National Annex NA is informative and provides some simple approximation methods for evaluating state transition diagrams without the need for more complicated mathematical procedures or computer software programs. These methods were omitted from IEC 61165 during the latest revision.

The importance of care when using modelling techniques cannot be overemphasized, particularly in the case of safety applications. An inaccurate model is destined to yield inaccurate results. Furthermore, it is important to appreciate that there may be unpredictable divergences between the results obtained by mathematical calculation and those obtained by simulation methods.

A list of organizations represented on DS/1/1 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 29 February 2008

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ISBN 978 0 580 54072 1

Amendments/corrigenda issued since publication

Date	Comments