
**Industrial automation systems and
integration — Industrial manufacturing
management data —**

**Part 42:
Time Model**

*Systèmes d'automatisation industrielle et intégration — Données de
gestion de fabrication industrielle —*

Partie 42: Modèle du temps



Reference number
ISO 15531-42:2005(E)

© ISO 2005

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

page

1	Scope	1
2	Normative references.....	1
3	Terms, definitions and abbreviations	2
3.1	Terms and definitions	2
3.2	Abbreviated terms	6
4	Overview of the whole ISO 15531 scope.....	6
5	Domain property	7
5.1	Preamble.....	7
5.2	Fundamental concepts and assumptions.....	7
5.3	Domain property schema definition	8
5.4	Domain property type definitions.....	8
5.4.1	type_of_identifier_of_dom_gen_struct.....	8
5.4.2	type_of_domain.....	9
5.5	domain_property subtype constraint definitions	9
5.5.1	covered_range	9
5.5.2	complcompos_discrcont_bounded	9
5.5.3	complete_composite.....	9
5.5.4	discrete_continuous.....	10
5.5.5	lower_upper.....	10
5.5.6	compl_continuous_discrete.....	10
5.5.7	compos_continuous_discrete.....	11
5.5.8	cont_complete_composite.....	11
5.5.9	disc_complete_composite.....	11
5.5.10	both_bd_compl_compos_disc_cont.....	11
5.5.11	low_bd_compl_compos_disc_cont.....	12
5.5.12	up_bd_compl_compos_disc_cont.....	12
5.5.13	compl_disc_low_both_up	13
5.5.14	compl_cont_low_both_up.....	13
5.5.15	compos_cont_low_both_up.....	13
5.5.16	compos_disc_low_both_up.....	14
5.6	Domain property entity definitions	14
5.6.1	domain.....	14
5.6.2	time_domain.....	14
5.6.3	domain_generic_structure	15
5.6.4	complete_or_composite_domain.....	15
5.6.5	discrete_or_continuous_domain.....	16
5.6.6	bounded_domain	16
5.6.7	complete_domain	16
5.6.8	composite_domain.....	17
5.6.9	continuous_domain	17
5.6.10	discrete_domain.....	17
5.6.11	lower_bounded_domain	18
5.6.12	upper_bounded_domain	18
5.6.13	both_sides_bounded_domain	18
5.6.14	complete_continuous_domain.....	19
5.6.15	lower_bounded_complete_continuous_domain.....	19