
**Industrial automation systems and
integration — Product data representation
and exchange —**

Part 501:

**Application interpreted construct:
Edge-based wireframe**

*Systèmes d'automatisation industrielle et intégration — Représentation
et échange de données de produits —*

*Partie 501: Construction interprétée d'application: Cadre en fil
métallique basé sur un côté*



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 2000

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 22 734 10 79
E-mail copyright@iso.ch
Web www.iso.ch

Printed in Switzerland

Contents	Page
1 Scope	1
2 Normative references	1
3 Terms, definitions, and abbreviations	2
4 EXPRESS short listing	3
4.1 Introduction	4
4.2 Fundamental concepts and assumptions	4
4.3 aic_edge_based_wireframe entity definition: edge_based_wireframe_shape_representation ...	4
4.4 aic_edge_based_wireframe function definitions	6
4.4.1 valid_wireframe_edge_curve	6
4.4.2 valid_wireframe_vertex_point	7
Annex A (normative) Short names of entities	9
Annex B (normative) Information object registration	10
B.1 Document identification	10
B.2 Schema identification	10
Annex C (informative) EXPRESS-G diagrams	11
Annex D (informative) Computer interpretable listings	18
Index	19
 Figures	
Figure C.1 - aic_edge_based_wireframe - EXPRESS-G diagram 1 of 6	12
Figure C.2 - aic_edge_based_wireframe - EXPRESS-G diagram 2 of 6	13
Figure C.3 - aic_edge_based_wireframe - EXPRESS-G diagram 3 of 6	14
Figure C.4 - aic_edge_based_wireframe - EXPRESS-G diagram 4 of 6	15
Figure C.5 - aic_edge_based_wireframe - EXPRESS-G diagram 5 of 6	16
Figure C.6 - aic_edge_based_wireframe - EXPRESS-G diagram 6 of 6	17
 Tables	
Table A.1 - Short names of entities	9