

INTERNATIONAL STANDARD

ISO
8613-8

First edition
1989-09-01

Information processing — Text and office systems — Office Document Architecture (ODA) and interchange format —

Part 8 : Geometric graphics content architectures

*Traitement de l'information — Bureautique — Architecture des documents de
bureau (ODA) et format d'échange —*

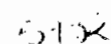
Partie 8 : Architecture des contenus de caractères graphiques géométriques



Reference number
ISO 8613-8 : 1989 (E)

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	2
3 Definitions, symbols, abbreviations and conventions	3
3.1 Definitions	3
3.2 Symbols, abbreviations and conventions	3
3.2.1 CGM	3
3.2.2 Individual CGM elements	3
3.2.3 CGM concepts	3
3.2.4 Width and height	3
4 General principles	3
4.1 Content architecture classes	3
4.2 Content	3
4.3 Presentation attributes	4
4.4 Coding of content information	4
4.5 Layout and imaging of the content	4
5 Positioning	4
5.1 Introduction	4
5.2 Measurement units and directions	5
5.3 The relationship between the region of interest and the basic layout object	5
6 Definition of geometric graphics presentation attributes	7
6.1 Shared presentation attributes	8
6.1.1 Attributes specifying CGM defaults	8
6.1.2 Region of interest specification	20
6.1.3 Picture orientation	21
6.2 Layout presentation attributes	21
6.3 Logical presentation attributes	21
6.3.1 Picture dimensions	21
6.4 Content architecture class attributes	22
6.4.1 Content architecture class	22
6.4.2 Content type	22
6.5 Interaction with document architecture attributes	22



© ISO 1989

All rights reserved. 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 the publisher.

International Organization for Standardization

Case postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

7	Geometric graphics content portions attributes	22
7.1	Common coding attributes	22
7.2	Content information	23
7.3	Other coding attributes	23
8	Formal definitions of geometric graphics content architecture dependent data types	23
8.1	Introduction	23
8.2	Representation of geometric graphics presentation attributes	23
8.3	Representation of coding attributes	28
8.4	Representation of non-basic features and non-standard defaults	28
9	Content layout process	29
9.1	Introduction	29
9.1.1	Purpose	29
9.1.2	Available area	29
9.1.3	Presentation attributes	29
9.1.4	Geometric graphics content architecture classes	29
9.1.5	Layout of the content	29
9.2	Content layout process for formatted processable content architecture class	30
10	Content imaging process	35
10.1	Introduction	35
10.2	Content imaging process for formatted processable form content architecture class	35
10.2.1	Initialization of the imaging process	35
10.2.2	Imaging	36
11	Definition of geometric graphics content architecture classes	36
 Annexes		
A	Summary of ASN.1 object identifiers	37
B	Recommendations for the development of geometric graphics content architecture levels in document application profiles	38
B.1	Geometric graphics content architecture level GFP-0	38
C	Basic differences between character primitives in the geometric graphics and the content of a basic component structured according to the character content architectures defined in ISO 8613-6	46
D	SGML representation of geometric graphics content-specific attributes for ODL	47
D.1	Introduction	47
D.2	Names and public identifiers	47
D.3	Representation of attribute values	47
D.4	Presentation attributes	49
D.5	Coding attributes	51