

Table of Contents

Part I: Introduction	1
Setting the Scene	3
<i>A.M. Mumford</i>	
Integrate '88 - A Personal View	11
<i>A.M. Mumford</i>	
 Part II: Using the CGM in a Computing Service	 13
After 10 Years of Metafiles Where Does the CGM Fit?.....	15
<i>T.N. Reed</i>	
The Use of the CGM in the U.K. University Community.....	23
<i>A.M. Mumford</i>	
The CGM Implementation at McDonnell Douglas.....	29
<i>J. Stoll</i>	
 Part III: Making the CGM Pay: Commercial Needs.....	 35
The Ramifications of Adopting the CGM as the Image Transfer Mechanism.....	37
<i>B. Rossin</i>	
The Implementation of the CGM as a GKS Metafile.....	47
<i>C. Tucker and G. Heather</i>	
Technical and Office Protocols (TOP) CGM Application Profile.....	75
<i>K. Hardman</i>	
The CGM Application Profile for CALS: Current Specification and Major Issues...	95
<i>L.R. Henderson</i>	
 Part IV: Extending the CGM to Meet Further User Requirements ...	 111
Uses for CGM in Raster-to-Vector Conversion.....	113
<i>P.R. Bono</i>	

VIII

Extending CGM for Publishing and Technical Drawing Exchange.....	145
<i>G.S. Carson</i>	
The CGM in the Presentation Graphics World	171
<i>G. Silverman</i>	
 Part V: Encoding Issues	 175
Protocol Comparisons: CGM and Others.....	177
<i>G. Davison</i>	
A Need for Character.....	183
<i>S. Jepsen</i>	
Bridge that GAP (CGM at the Real Applications Interface).....	189
<i>C.D. Osland</i>	
 Part VI: Testing Considerations	 201
Testing of the Computer Graphics Metafile.....	203
<i>A.E.J. Pink</i>	
An Overview of ODA and ODA Conformance Testing.....	217
<i>R. Carr</i>	
An NBS Conformance Testing Program: Ideas and Procedures for Graphics Testing.....	231
<i>S.J. Kemmerer</i>	
 Part VII: Further Considerations on Using the CGM	 261
Technical Barriers to Interchange Using the CGM	263
Using the CGM Within Application Profiles	267
User Requirements.....	271
Testing.....	279
Errors in the CGM Standard.....	283
 Contact Addresses	 287