ISO 13584-102:2006-11 (E)

Industrial automation systems and integration - Parts library - Part 102: View exchange protocol by ISO 10303 conforming specification

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Normative references 2

3 Terms, definitions, and abbreviations 2

4 Identification of the ISO10303_rep representation category 6
4.1 Concepts 6
4.2 Standardized dictionary entries 7
4.2.1 General 7
4.2.2 View logical name 7
4.2.3 View control variables 8
4.3 Rules for the ISO10303_rep representation category 9
4.3.1 General 9
4.3.2 Step_ap 10
4.3.3 Step_cc 10
4.3.4 Detail level 10
4.3.5 Side 10
4.3.6 Variant 11

5 Exchange format 11
5.1 General 11
5.2 External referent assignment 12
5.3 One representation per file 12

6 Conformance requirements 13
6.1 General 13
6.2 Implementation resources 14
6.3 Implementation methods 14
6.4 Constraints on a library delivery file for referencing this view exchange protocol 15
6.4.1 General 15
6.4.2 Conformance class specification 16
6.4.3 Constraints on a library delivery file referencing ISO10303_rep 16

Annex A (normative) Information object registration 22

Bibliography 23

Index 24

Figures Figure 1 -- Meaning of side view control variable 11

Figure 2 -- Method 1: external referent assignment 12

Figure 3 -- Method 2: file name 13

Tables Table 1 -- View logical name description 7

Table 2 -- View control variables of the ISO10303_rep functional view class 9