

ISO 15531-44:2010-12 (E)

Industrial automation systems and integration - Industrial manufacturing management data - Part 44: Information modelling for shop floor data acquisition

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions, and abbreviated terms	2
3.1	Terms and definitions	2
3.2	Abbreviated terms	4
5.3	Structure of shop floor data acquisition system	9
5.4	The captured data and their organization	11
5.5	The question of time	12
5.6	Size optimization	13
6	The EXPRESS schema definition of shop floor captured data	14
6.1	Shop floor captured data schema definition	14
6.2	Shopfloor_captured_data type definitions	15
6.3	Shop floor captured data entity definitions	16
6.4	Manufactured_product	17
6.5	Orders	18
6.6	Traceability	21
6.7	Productivity_and_maintenance	22
6.8	Quality	25
6.9	Resource	27
6.10	Time stamping and time reference	28
Bibliography		39
Index		40
Figures: Figure 1: Functional Levels (From IEC 62264-1)		6
Figure 2 : Schema of the shop floor data acquisition and level 3 recording process		10
Figure 3: Organization of the model: main data captured		11