

ISO 13584-501:2007-02 (E)

Industrial automation systems and integration - Parts library - Part 501: Reference dictionary for measuring instruments - Registration procedure

Contents		Page
Foreword		vi
1	Scope	1
2	Normative references	3
3	Terms, definitions, and abbreviations	4
4	Representation of ontology concepts as dictionaries entries	11
4.1	Measuring instrument classes	11
4.1.1	Modelled classes	11
4.1.2	Referenced classes	12
4.1.3	Used attributes	12
4.2	Property DET definitions	13
4.2.1	Modelled properties	13
4.2.2	Imported properties	13
4.2.3	Used Attributes	13
4.3	Data type definitions	15
4.3.1	Modelled domains of values	15
4.3.2	Used Attributes	15
4.4	Identification of dictionary entries	15
4.5	Specification of registration status	16
5	Classification principles	17
5.1	Connection to pre-existing classification	17
5.2	Upper level of the hierarchy	17
5.2.1	Principal identification hierarchy	17
5.2.2	Domain	17
5.2.3	Function	17
5.2.4	Principle	17
5.3	Subdivision of principal identification layers	18
5.4	Simplification of principal identification layers	18
5.5	Lower level of the hierarchy	18
5.6	Auxiliary classification	18
6	Computer sensible description	19
Introduction		viii
6.1	External files	19
6.2	Information model and conformance class	19
6.3	Implementation method	19
6.4	Language to be used for text attributes	19
6.5	Distribution of computer sensible descriptions	19
6.6	Control on the intermediate and formal releases	19
6.7	Registration authority identifier	20
7	Registration and maintenance procedure	21
7.1	Structure of registration authority	21
7.2	Role and responsibility	23
7.2.1	Role and responsibility of parties	23
7.2.2	Technical committee of registration authority	23

7.2.3	Secretary of registration authority	24
7.2.4	Validation committee of registration authority	25
7.2.5	ISO/IEC member body	26
7.3	Registration procedure	26
7.3.1	Decision rules	26
7.3.2	Registration process flow	27
7.3.3	Task of registration authority	30
8	Principles of dictionary edition, update, and maintenance	32
8.1	Initial release of the dictionary	32
8.2	Version and revision numbers of dictionary elements	32
8.2.1	Version number	32
8.2.2	Revision number	32
8.3	Identification of a formal release of the reference dictionary	33
Annex A (normative) Information object registration		34
Annex B (normative) Dictionary physical file		35
Annex C (normative) Class definition		36
Annex D (normative) Property definitions		37
Annex E (normative) Application form for dictionary elements		38
Annex F (informative) History of registration authority		44
Bibliography		45
Index		47
Figures Figure 1 -- BSU coding style		16
Figure 2 -- Registration time frame		28
Figure 3 -- Registration flow diagram		29
Tables Table 1 -- Structure of registration authority and levels of participation		22
Table F. 1 -- Historical record of ISO13584-501 registration authorities		44