

ISO/IEC Guide 77-3:2008-02 (E)

Guide for specification of product properties and classes_ - Part_3: Experience gained

Contents		Page
Foreword		v
Introduction.....		vi
1	Scope	1
2	Terms and definitions	2
3	Overview	2
4	Developing a PLIB reference dictionary for ISO 13399	3
4.1	General	3
4.2	Determining the scope of the development project	4
4.3	Selection of the project team	5
4.4	Supporting software.....	6
4.5	PLIB information model	6
4.6	Establishment of liaisons	6
4.7	Development of the classification	6
4.8	Visible properties	10
4.9	Checking the records.....	11
4.10	Prototype implementation	11
4.11	Producing the standard documents.....	11
4.12	Expenditure of effort	12
4.13	Conclusions	12
5	Development of the IEC 61360 reference dictionary	13
5.1	Introduction.....	13
5.2	Scope and objectives.....	13
5.3	Organizing the work	14
5.4	ISO/IEC information model	14
5.5	Constraining and explaining the IEC use of the ISO/IEC information model.....	15
5.6	Property specification attributes	15
5.7	Classification of components	17
5.8	Maintenance procedure	20
5.9	Tools and publication	23
5.10	Global unique identification	23
5.11	Conclusions	24
6	Development of the ISO 13584-501 reference dictionary	25
6.1	General	25
6.2	Starting and conducting a dictionary project.....	25
6.3	Development of the reference dictionary.....	26
6.4	Publishing the standard.....	29
6.5	Applying dictionary standards.....	29
6.6	Provision of tools, experts, and financial resources.....	29
6.7	PLIB information model	29
6.8	Planned maintenance for the reference dictionary.....	29
6.9	Expenditure of effort	31
6.10	Conclusion	31
7	Development of the ISO 13584-511 reference dictionary	32
7.1	Identifying the scope.....	32
7.2	ISO 13584-511 team and cooperation with TC 2	32
7.3	Classification	32
7.4	Example hierarchy of externally threaded fastener and the reference mechanism.....	34
7.5	Properties	38

7.6 Hardness and thread40

7.7 Tools40

7.8 Conclusion40

8 Lessons learned.....41

8.1 General.....41

8.2 ISO/TC 37 (reference dictionary for cutting tool)41

8.3 IEC/TC 3/SC 3D (reference dictionary of electrotechnical components)41

8.4 ISO/TC 184/SC 4/WG 2, ISO 13584-501 project team (reference dictionaries for measuring instruments)42

9 Conclusions43

9.1 General.....43

9.2 Efforts43

9.3 Project setup43

9.4 Required knowledge and training of experts.....43

9.5 Tools and software44

9.6 Modelling issues44

9.7 Maintenance and practical use.....45

9.8 Final conclusion.....45

Annex A (informative) Illustrations of activity work flows46

Annex B (informative) References to Internet information on tools and organizations maintaining reference dictionaries52

Annex C (informative) Glossary of useful terms53

Bibliography54