ISO/IEC TR 19583-24:2025-02 (E)

Information technology - Concepts and usage of metadata - Part 24: 11179-3:2013 Metamodel in RDF

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1
3.1 Terms and definitions of metamodel constructs 1
3.2 Terms and definitions of concepts 3
3.3 Terms and definitions of knowledge organization systems 7

4 Modeling principles and mapping conventions 9
4.1 Guiding principles of the ISO/IEC 11179-3:2013 Metamodel in RDF 9
4.2 Use of RDF and RDF based vocabularies 9
4.3 Schema conventions 10
4.4 UML Stereotypes 11

5 Overview of ISO/IEC 11179-3:2013 Metamodel in RDF 11
5.1 Organization 11
5.2 Basic types metamodel region (ISO/IEC 11179-3:2013, 6.2) 11
5.3 Basic Classes metamodel region (ISO/IEC 11179-3:2013, 6.3) 12
5.4 Identification metamodel region (ISO/IEC 11179-3:2013, 7.2) 13
5.5 Designation and Definition metamodel region (ISO/IEC 11179-3:2013, 7.3) 14
5.6 Registration metamodel region (ISO/IEC 11179-3:2013, 8.1) 16
5.7 Concepts package (ISO/IEC 11179-3:2013, Clause 9) 17
5.8 Binary Relations package (ISO/IEC 11179-3:2013, Clause 10) 18
5.9 Data Description package (ISO/IEC 11179-3:2013, Clause 11) 18
5.10 Elements of ISO/IEC 11179-6 21

Annex A (informative) Summary of differences between ISO/IEC 11179-3:2013 and ISO/IEC 11179-3:2023, ISO/IEC 11179-31:2023 and ISO/IEC 11179-32:2023 22

Bibliography 26