ISO/IEC 29161:2016-08 (E)

Information technology - Data structure - Unique identification for the Internet of Things

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 1

5 Identification of an "entity" 2
5.1 General 2
5.2 Overview of the "IoT Network" 3

6 Unambiguous wrapper for unique identifiers in IoT applications 4
6.1 Overview 4
6.2 URN schemes suitable for identification in IoT systems 5
6.2.1 Instances of URN schemes 5
6.2.2 Listing of existing URN schemes referenced by this International Standard 6
6.3 URI usage in IoT systems 6

7 Use of unique identification 7
7.1 UI concept 7
7.2 UI encoding 7

Annex B (informative) OID wrappers and sensor networks 10

Annex C (informative) Identification Schemes possible to use in Networks 12

Annex D (informative) Ontology of Identification 13

Bibliography 15