

# ISO/IEC 29161:2016-08 (E)

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

---

<b>Contents</b>		<b>Page</b>
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