

ISO/IEC 19770-2:2015-10 (E)

Information technology - Software asset management - Part 2: Software identification tag

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms, definitions, and abbreviated terms	2
3.1	Terms and definitions	2
3.2	Abbreviated terms	2
4	Conformance	3
4.1	SWID tag conformance	3
4.2	Application conformance	3
4.3	Platform conformance	3
5	Interoperability guidance	3
5.1	Overview	3
5.2	SWID tag modification	3
5.3	SWID tag relationships	4
5.3.1	Overview	4
5.3.2	Pre-installation data attribute	4
5.3.3	SWID patch attribute	4
5.3.4	SWID supplemental attribute	5
6	Implementation of software identification tagging processes	6
6.1	General requirements and guidance	6
6.1.1	XML and XSD	6
6.1.3	SWID tag installation and removal	6
6.1.4	SWID data storage and transmission	6
6.1.5	Unique registration ID (regid)	7
6.1.6	Tag identifier	8
6.1.7	Unique software identification tag file name	8
6.1.8	Software identification tag discovery	8
6.1.9	Languages	8
6.1.10	Authenticity of software identification tags	9
6.1.11	File hash definitions	9
6.1.12	Use of standardized data types in XSD definition	10
6.1.13	Using Evidence or Payload	10
6.1.14	Redistributable software components	10
7	Platform requirements and guidance	10
8	Elements	11
8.1	General	11
8.2	Minimum SWID tag data values required	12
8.3	Recommended SWID tag data values	13
8.4	XML element and attribute names	13
8.4.1	Introduction	13
8.4.2	Additional attributes allowed	14

8.5	Data values	14
8.5.1	SoftwareIdentity	14
8.5.2	Entity	18
8.5.3	Evidence	20
8.5.4	Link	20
8.5.5	Meta	25
8.5.6	Payload	26
8.6	Type and attribute definitions	26
8.6.1	Directory	26
8.6.2	File	27
8.6.3	FileSystemItem	28
8.6.4	Ownership	30
8.6.5	NMTOKEN and NMTOKENS	30
8.6.6	Process	30
8.6.7	Rel	30
8.6.8	Resource	31
8.6.9	ResourceCollection	31
8.6.10	Role	32
8.6.11	SoftwareMeta	32
8.6.12	Use	34
8.6.13	VersionScheme	35
Annex A (informative) XSD changes between revisions		36
Annex B (normative) XML schema definition (XSD)		39
Annex C (informative) UML structure of SWID tag schema		60
Annex D (informative) Sample tags		62
Bibliography		73