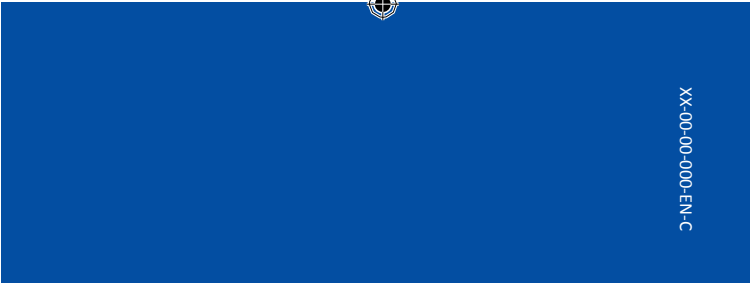## The most used standards for OSS

The analysis performed on the critical software shortlist used at the European Commission, defined in the inventory of Open Source Software, shows that the most applied standard is TLS. The other top frequent standards applied to such software are:

Standard name	Applied to
SSL v3/TLS	Filezilla, openSSL, Winscp
SFTP SSHFTP	Filezilla, Putty, Winscp
JavaScript (ECMAScript)	Eclipse, Firefox, Netbeans
HTTP/S	Filezilla, VLC
HTML5	Firefox, Netbeans
IP	Filezilla, Putty
RSS	Firefox, VLC
CSS	Netbeans, Firefox
FTP	Filezilla, Winscp
Atom	Firefox, VLC

For ongoing updates on FOSSA project status please visit:

https://joinup.ec.europa.eu/community/eu-fossa/home

KPMG

TRASYS
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Publications Office

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FOSSA
Free and Open Source Software Auditing

Work Package 5: The inventory of open technical specifications used in the European Commission
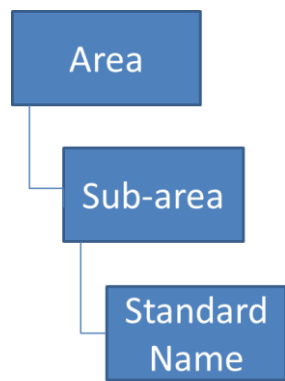
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Taxonomy of standards

The inventory of standards in EU-FOSSA relies on, and further extends, the taxonomy already applied in 2011.

Standards are grouped by:

- Areas (Information, Security, IT management, IT skills, Hardware, Communication, Software)

- Sub-areas

and are further identified by optional attributes.

Area

Sub-area

Standard Name

(Optional) Attributes
- Standardization body
- Reference
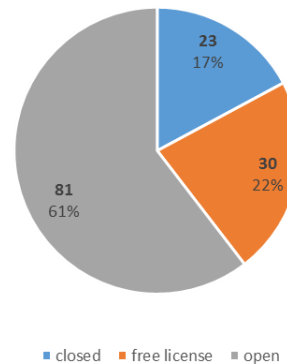- URL
- Description
- …

The taxonomy is flexible and further attributes may be added and tracked in the future.

How many standards?

The current inventory has identified <u>116 standards</u>, (12 more than in 2011) divided by the following areas /sub-areas:
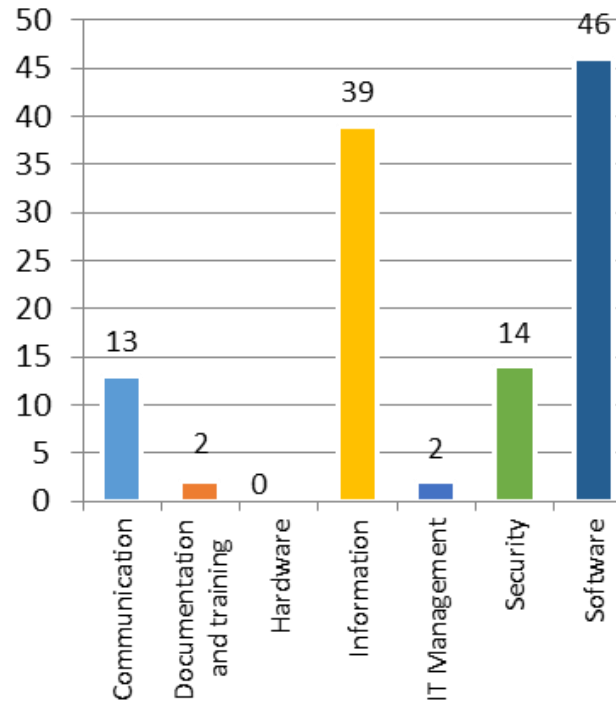
Mostly open standards, but also patented under free license and closed:

23 17%

30 22%

81 61%

■ closed ■ free license ■ open

What standards?

Some examples of the inventoried standards, with focus on the main areas, are:

Area	Standards
Communication	S/MIME,DNS, FTP, HTTP/S, IP, SFTP, SOCKS, TCP…
Information	AAC, MP3, RealAudio, WAV, WMA, UNICODE, ODF, OOXML, PDF, RTF, AVI, MIDI, MP4, Atom, CSS, HTML, HTML5, WCAG, XHTML, GIF, JPG, CSV, XMI, XSL, SVG, MPEG-4…
Security	MD5, RSA, SHA-2,AES, DSA, IP-SEC, SSL v3/TLS, ISO/IEC 27000:2009, ISO/IEC 27001:2005…
Software	JCE, SQL, JavaMail, SAML, RMI/IIOP, JTA, JAX-RPC, SOAP, UDDI, WS-Addressing, WS-Security, WSDL, WSRP, Java EE, JMX, ECMAScript, JSON, BPMN, UML, XACML, Xpath, XPointer, Xquery…