Software that conforms to the SPDX specification at the extension profile compliance point shall be able to import and export serialized documents that conform with one of the SPDX serialization formats defined SPDX serialization formats, including the abstract Extension class serving as the base for all defined extension subclasses.

Conformance to the extension profile compliance point does not entail support for the Licencing, Security, Data Set, AI,

Build, or profiles of the SPDX but is expected to be used in combination with the other profiles to extend them.

This compliance point facilitates interchange of extended information that goes beyond the standard SPDX produced by tools supporting SPDX and is used between cooperating parties that understand the form of the extension and can produce and consume its non-standard content.

3 References

3.1 Normative References

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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Bower API, https://bower.io/docs/api/#install

Common Platform Enumeration (CPE) – Specification, The MITRE Corporation, https://cpe.mitre.org/files/cpe-specification_2.2.pdf

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npm-package.json, npm Inc., https://docs.npmjs.com/files/package.json

NuGet documentation, Microsoft, https://docs.microsoft.com/en-us/nuget/

POSIX.1-2017 The Open Group Base Specifications Issue 7, 2018 edition, IEEE/Open Group, https://pubs.opengroup.org/onlinepubs/9699919799/

purl (package URL), https://github.com/package-url/purl-spec

Resource Description Framework (RDF), 2014-02-25, W3C, http://www.w3.org/standards/techs/rdf

RFC-1321, The MD5 Message-Digest Algorithm, The Internet Society Network Working Group, https://tools.ietf.org/html/rfc1321

RFC-3174, US Secure Hash Algorithm 1 (SHA1), The Internet Society Network Working Group, https://tools.ietf.org/html/rfc3174

RFC-3986, Uniform Resource Identifier (URI): Generic Syntax, The Internet Society Network Working Group, https://tools.ietf.org/html/rfc3986

RFC-5234, Augmented BNF for Syntax Specifications: ABNF, The Internet Society Network Working Group, https://tools.ietf.org/html/rfc5234

RFC-6234, US Secure Hash Algorithms (SHA and SHA-based HMAC and HKDF), The Internet Society Network Working Group, https://tools.ietf.org/html/rfc6234

SoftWare Heritage persistent IDentifiers (SWHIDs), https://docs.softwareheritage.org/devel/swh-model/persistent-identifiers.html

SPDX and RDF Ontology, http://spdx.org/rdf/ontology/spdx-2-3