**Rationale for revision of ISO/IEC TS 30135 EPUB3:2014**

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**1. Rationale for revision of ISO/IEC TS 30135:2014**

This rationale is to introduce background and purpose for revision of ISO/IEC TS 30135:2014. According to JTC1/SC34 Seoul Resolution (2016-09-28), *"JTC1/SC34 created sub-projects for a revision of TS 30135 (all parts) and assigned them to JWG 7 for development. The revision is to address the latest EPUB3 revision (3.0.1), in which parts 2 and 7 are merged. JTC1/SC 34 instructed its Secretariat to take the necessary action to obtain JTC 1 endorsement in accordance with JTC 1 Supplement 2.1.5.4."*

The Documents ISO/IEC TS 30135 “Information technology — Digital publishing — EPUB3” series i.e. multi-parts standards are distribution and interchange format standards for digital publications and documents based on Web Standards. It was adopted in accordance to the previous ISO Fast-Track as Technical Specifications to satisfy the digital publishing, library and education requirements and to allow the implementation of EPUB 3.0 for packaged single file distribution and offers consumers interoperability between software/hardware for unencrypted reflowable digital books and other publications in 2014.

The main background of this revision is to keep technical equivalence between ISO TSs and IDPF specifications. Current IDPF's EPUB 3.0.1, but ISO/IEC TS 30135 is former version, EPUB 3.0. Therefore, there is necessary to revise ISO/IEC TS 30135 to keep technical equivalence for both specifications.

**2. Proposal statement**

**2.1 Title of the proposed deliverable (English title)**

*Information technology – Digital publishing – EPUB3 – Part 1: Overview*

*Information technology – Digital publishing – EPUB3 – Part 2: Publications*

*Information technology – Digital publishing – EPUB3 – Part 3: Content Documents*

*Information technology – Digital publishing – EPUB3 – Part 4: Open Container Format*

*Information technology – Digital publishing – EPUB3 – Part 5: Media Overlay*

*Information technology – Digital publishing – EPUB3 – Part 6: Canonical Fragment Identifier*

**2.2 Scope of the proposed deliverable**

This six parts of Technical Specification replace seven parts of ISO/IEC TS 30135 EPUB3:2014, and facilitate to adopt EPUB version 3.0.1 which is published in 2014 by International Digital Publishing Forum (IDPF). The Documents composed of multi-parts Technical Specifications to clarify each function and description with sample codes and selected images as above.

*Note: former ISO/IEC TS 30135-7:2014 will be merged with revision of ISO/IEC TS 30135-3.*

**2.3 Purpose and justification of the proposal**

The Documents based on EPUB 3.0.1 specifications of IDPF are proposed as revision of ISO/IEC TS 301325:2014. Going forward, the JTC 1 maintenance procedures for International Standards (as further described in JTC 1 Standing Document 8, “Maintenance of International Standards”) would be used to maintain the Documents. Due to keep technical equivalence between EPUB3 of IDPF and ISO/IEC TSs, will take a role for the international maintenance.

*Note: IDPF was combined with W3C in January 30, 2017 and Publishing@W3C has charge of maintenance of EPUB3 now.*

To make efficient maintenance ISO/IEC JTC 1/ SC34 JWG for EPUB can be right place for the process of standardization such as ballot resolution meeting and/or making defect reports.

**2.4 Preparatory work**

For the PDTS ballots for the revision of ISO/IEC TS 30135 - Part 1 to Part 6, draft texts are prepared with source format of IDPF’s EPUB 3.0.1.

For the development process of EPUB 3.0.1:

*The EPUB 3.0.1 specification is developed by the IDPF EPUB Working Group, consisting of IDPF member representatives and Invited Experts. All Working Group activities are conducted in an "open source" manner: the EPUB 3 Working Group project site (http://code.google.com/p/epub-revision) is publicly accessible and contains a source code repository for specification and related work products and a Wiki for requirements, solutions, meeting notes, etc.*

For the response to user requirements of EPUB 3.0.1:

*All comments on EPUB 3.0.1 specifications of IDPF were submitted via the EPUB 3 Working Group Issue Tracker (https://github.com/w3c/publ-epub-revision/issues), hosted on Google Code.*

**2.5 Indication(s) of the preferred type or types of deliverable(s) to be produced under the proposal**

Proposed six parts of revisions on EPUB 3.0.1 will be Technical Specifications of ISO/IEC.

**2.6 Co-ordination works**

Because IDPF was combined with W3C in January 30, 2017 and Publishing@W3C has charge of maintenance of EPUB3, Publishing@W3C need to collaborate on these works for the TSs.

**2.7 A listing of relevant existing documents at the international, regional and national levels**

* *ISO/IEC TS 30135-1:2014 – ISO/IEC TS 31035-7:2014 (7 Parts of ISO TSs)
Note: Korean National Standards (KS X 6070) was adopted from EPUB 3.0.*
* IDPF EPUB 3.0.1 and W3C EPUB 3.1 specifications
*Note: Korean National Standards (KS X 6071) was adopted from EPUB 3.0.1.*