

اللجنة المعنية بمعايير الويبو

الدورة الحادية عشرة

جنيف، من 4 إلى 8 ديسمبر 2023

اقتراح معيار جديد للويبو بشأن نسق حزم البيانات من أجل التبادل الإلكتروني للوثائق ذات الأولوية والنسخ المعتمدة

وثيقة من إعداد الهيئة المشرفة على فرقة العمل المعنية بالتحول الرقمي

ملخص

1. تقدم فرقة العمل المعنية بالتحول الرقمي مسودة نهائية تخص معيار الويبو الجديد بشأن الحزمة الرقمية المشتملة على وثائق الأولوية المعتمدة، للنظر فيها واعتمادها في الدورة الحادية عشرة للجنة المعنية بمعايير الويبو (لجنة المعايير).

معلومات أساسية

2. وافقت لجنة المعايير في دورتها العاشرة على إضافة المهمة رقم 65، التي اقترحت بعد توصية من الفريق العامل المعني بمعاهدة البراءات، في دورته الخامسة عشرة، بوضع معيار جديد للويبو لتمكين نقل قوائم التسلسل بنسق معيار الويبو ST.26، كجزء من وثائق الأولوية والنسخ المعتمدة. وأسندت هذه المهمة إلى فرقة العمل المعنية بالتحول الرقمي، وفيما يلي وصف المهمة:

" إعداد اقتراح توصيات بشأن نسق حزمة البيانات من أجل التبادل الإلكتروني لوثائق الأولوية والنسخ المعتمدة للبراءات والعلامات والتصاميم الصناعية."

3. واجتمعت فرقة العمل المعنية بالتحول الرقمي أثناء قيامها بهذه المهمة افتراضياً وأجرت مناقشات على صفحة الويكي الخاصة بها. وتُتاح المزيد من التفاصيل حول الأنشطة التحضيرية لفرقة العمل في الوثيقة CWS/11/11.

اقتراح معيار جديد

4. تبحث مكاتب الملكية الفكرية حالياً عن وسيلة لإرسال وثائق الأولوية التي تتضمن قائمة تسلسل بنسق لغة الترميز الموسعة (XML) لمعيار الويبو ST.26، عند الطلب، في نسقها الأصلي. وتم التوصل إلى عدة حلول منذ دخول معيار الويبو ST.26 حيز النفاذ، بما في ذلك استخدام الأنماط الأسلوبية لتحويل نسخة بنسق لغة الترميز الموسعة إلى نسخة بنسق PDF قابلة للقراءة البشرية.

5. وتوصي مسودة المعيار المقترح، والتي ترد في مرفق هذه الوثيقة، باعتماد نسق حزمة بيانات لتبادل وثائق الأولوية إلكترونياً، لكنه يتجاهل عن قصد التفاصيل المتعلقة بوسائل نقل حزمة البيانات.

الأهداف

6. يهدف هذا المعيار إلى تقديم توصيات بشأن نسق حزمة البيانات لتبادل وثائق الأولوية والوثائق الأخرى ذات الصلة إلكترونياً وفقاً لما يلي:
- البند د-3 من المادة 4 من اتفاقية باريس لحماية الملكية الصناعية الذي يجيز لدول الاتحاد بأن تطلب ممن يقدم إقراراً بالأولوية أن يورد صورة من طلب الملكية الصناعية السابق إيداعه؛
 - التفاهم المتفق عليه بين جمعيتي اتحاد باريس واتحاد معاهدة التعاون بشأن البراءات في عام 2004¹ والذي يشير، في جملة أمور، إلى أن السلطة المختصة التي تقدم وثيقة الأولوية هي التي تحدد ما يشكل وثيقة أولوية معتمدة وتاريخ إيداعها، وكيفية اعتماد تلك الوثيقة.
7. ويهدف هذا المعيار المقترح إلى تحديد نسق الحزمة وبنيتها، والمحتويات الإلزامية للحزمة، واصطلاحات تسمية الملفات المضمنة في الحزمة. وتتمثل الأهداف الرئيسية لهذا المعيار فيما يلي:
- السماح بأن يتم بشكل موحد وفعال تبادل وثائق الأولوية المعتمدة والوثائق الأخرى ذات الصلة المتعلقة بطلبات البراءات والعلامات التجارية والتصاميم الصناعية؛
 - ودعم تبادل تلك الوثائق ذات الأولوية بين الأجهزة وزيادة مستويات معالجتها آلياً؛
 - وتحسين معالجة الوثائق من خلال تبادل أنساق النصوص المهيكلة مثل قوائم التسلسل المدرجة في وثائق البراءات بنسق لغة الترميز الموسعة لمعيار الويبو ST.26، ومتن الطلب والبيانات الببليوغرافية بأنساق معايير الويبو ST.36 و ST.96 و ST.97.

النطاق

8. يتسم المعيار بالحيادية فيما يتعلق بطريقة النقل المستخدمة في التبادل. بل إنه يحدد نوع البيانات وأنساق الملفات التي ستُدرج في الحزمة، وبنية هذه الحزمة واصطلاحات التسمية. وبخلاف المكونات التي يشار إليها على أنها إلزامية وفقاً للتوصيات، يحدد مكتب الاعتماد ما سيُدرج في حزمة البيانات تلك.
9. وفيما يلي هيكل المعيار المقترح:
- المتن الرئيسي: يحدد بنية حزمة البيانات واصطلاحات التسمية؛
 - المرفق الأول: يقدم نموذجاً من عينة حزمة بيانات المتضمنة في وثيقة الأولوية على شكل جدول، وترد في ملحق المرفق الأول نفس المعلومات في شكل هيكل شجرة؛
 - المرفق الثاني: يقدم تعريفاً لمخطط لغة الترميز الموسعة فيما يخص ملف فهرس الأولوية، ويرد في ملحق المرفق الثاني نموذج عن لغة الترميز الموسعة.
10. ويُقترح الاسم التالي لمعيار الويبو الجديد:

"معيار الويبو ST.92 - توصيات بشأن نسق حزمة البيانات من أجل التبادل الإلكتروني لوثائق الأولوية والنسخ المعتمدة."

تنفيذ معيار الويبو الجديد

11. بمجرد أن تعتمد لجنة المعايير معيار الويبو الجديد المقترح، ينبغي لمكاتب الملكية الفكرية أن تنظر في تنفيذ المعيار. وتقتصر الهيئة المشرفة على فرقة العمل والمكتب الدولي نهجاً تدريجياً يتضمن "مرحلة أفول" بحلول نهاية عام 2025، مما يسمح لكل مكتب من مكاتب الملكية الفكرية بإكمال تنفيذ المعيار الجديد بالوتيرة التي تناسبه. واعتباراً من 1 يناير 2026، يُقترح أن يقبل مكتب الملكية الفكرية ويقدم وثائق الأولوية المتوافقة فقط مع هذا المعيار.
12. وفيما يتعلق بتنفيذ المعيار ضمن خدمة الويبو للنفاذ الرقمي (DAS)، يخطط المكتب الدولي لقبول وتقديم وثائق الأولوية المتوافقة مع المعيار الجديد اعتباراً من 1 يوليو 2024، بالتوازي مع النسق الحالي، مع استكمال الانتقال إليه بحلول نهاية عام 2025. واعتباراً من 1 يناير 2026، تخطط خدمة الويبو للنفاذ الرقمي لقبول وتقديم وثائق الأولوية المتوافقة مع هذا المعيار فقط مع

¹ انظر الفقرة 9 من الوثيقة A/40/6.

مراعاة "مرحلة الأفل" المقترحة في الفقرة 11 أعلاه. وينبغي مناقشة المزيد من التفاصيل التقنية بشأن تنفيذ المعيار المقترح في خدمة الويبو للنفاذ الرقمي بشكل منفصل بين مكاتب الملكية الفكرية المشاركة في تلك الخدمة.

اقترح مراجعة المهمة رقم 65

13. بمجرد اعتماد لجنة معايير المعايير الجديدة المقترحة بشأن حزمة بيانات وثائق الأولوية المعتمدة، ينبغي اعتبار المهمة رقم 65 مكتملة، وستكون فرقة العمل المعنية بالتحول الرقمي قد اختتمت عملها في هذه المهمة بنجاح. وعند تنفيذ المعيار الجديد، قد تتطلب مكاتب الملكية الفكرية إدخال بعض التحسينات على معيار الويبو ST.92. ولذلك يقترح تعديل وصف المهمة رقم 65 على النحو التالي:

"ضمان إدخال التعديلات والتحديثات اللازمة على معيار الويبو ST.92 ودعم مكاتب الملكية الفكرية في تنفيذها للمعيار قبل نهاية عام 2025"

14. إن لجنة المعايير مدعوة إلى:

(أ) النظر في محتوى هذه الوثيقة ومرفقها؛

(ب) والنظر في اسم المعيار المقترح "معيار الويبو ST.92 - توصيات بشأن نسق حزمة البيانات من أجل التبادل الإلكتروني لوثائق الأولوية والنسخ المعتمدة"، على النحو المشار إليه في الفقرة 10 أعلاه والموافقة عليه؛

(ج) والنظر في معيار الويبو ST.92 الجديد واعتماده على النحو المشار إليه في الفقرات من 8 إلى 9 أعلاه وعلى النحو الوارد في مرفق هذه الوثيقة؛

(د) والنظر في خطة التنفيذ على النحو المشار إليه في الفقرتين 11 و12 أعلاه والموافقة عليها؛

(هـ) والنظر في تعديل المهمة رقم 65 كما هو مبين في الفقرة 13 أعلاه والموافقة عليه.

[يلي ذلك المرفق]

CWS/11/20 Rev.

ANNEX

المرفق

STANDARD ST.##

RECOMMENDATIONS ON THE DATA PACKAGE FORMAT FOR THE
ELECTRONIC EXCHANGE OF PRIORITY DOCUMENTS AND
CERTIFIED COPIES

*Proposal presented for consideration and approval by the Committee on WIPO Standards (CWS)
at its eleventh session.*

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STANDARD ST.##

RECOMMENDATIONS ON THE DATA PACKAGE FORMAT FOR THE ELECTRONIC EXCHANGE OF PRIORITY DOCUMENTS AND CERTIFIED COPIES

*Proposal presented for consideration by the Committee on WIPO Standards (CWS)
at its eleventh session*

INTRODUCTION

1. This Standard defines the data package format for the electronic exchange of priority documents. It is recommended that intellectual property offices (IPOs) furnish any data package of certified priority documents compliant with this Standard and accept the priority documents which are furnished by another IPO according to this Standard. Article 4D(3) of the Paris Convention for the Protection of Industrial Property allows countries of the Union to require any person making a declaration of priority to produce a copy of the industrial property application previously filed. The copy must be certified as correct by the authority which received such application.
2. The agreed understanding by the Assemblies of the Paris Union and the Patent Cooperation Treaty (PCT) Union in 2004¹ indicates that it is for the competent authority furnishing the priority document to determine what constitutes certification of a priority document and the date of filing, and how it will certify such a document. At the same time, there is a need to ensure that the Office where a later application is filed, is able to read and use those documents efficiently.
3. The purpose of this Standard is to allow for the efficient, lossless and standardized exchange of certified priority documents and other relevant documents. This Standard is to support machine-to-machine communication of these priority documents and enable further automated processing of those documents. This Standard is also to improve processing of documents by exchanging structured text formats such as sequence listings in XML format of WIPO Standard ST.26, and application body and bibliographic data in the formats of WIPO Standards ST.36, ST.96 and ST.97.

DEFINITIONS AND TERMINOLOGY

4. For the purpose of this Standard, the expression:
 - “priority document” means a copy of the earlier patent, trademark, or industrial design application, certified by the authority with which it was filed, that the applicant is claiming as the date of disclosure.
 - “patent” includes such industrial property rights as patents for inventions, plant patents, design patents, inventor's certificates, utility certificates, utility models, patents of addition, inventor's certificates of addition and utility certificates of addition.
 - “trademark” means a sign or combination of signs which distinguishes the goods or services of one undertaking from those of other undertakings. Signs may consist of one or more distinctive words, letters, numbers, drawings or pictures, symbols, colors, sounds, the form or other special presentation of containers or packages for a product (provided it is not solely dictated by their function) or other aspects depending on the jurisdiction.
 - “industrial design” means the visual aspect of an object, including its two-dimensional and three-dimensional features of shape and surface of objects, and thus covers both concepts of “designs” and “models” where a distinction is made between the former and the latter; the term “industrial designs” does not include design patents.
 - “certifying Office” means the Office which furnished and certified the priority document.
 - “certified” means that the certifying Office has determined that this is a true copy of the priority document. How this document is certified is outside the scope of this Standard.
 - “recipient Office” means the “Office of second filing” or “Office of subsequent filing”.
 - “schema” means XML Schema Definition (XSD) as defined in Annex II of this Standard.
 - “ZIP” means a compressed file format that can be lossless and is defined in ISO/IEC 213201:2015.

¹ See paragraph 9 of document [A/40/6](#)

5. The following notations are used throughout this document:
- <>: Indicates a placeholder descriptive term that, in implementation, will be replaced with a specific instance value.
 - “ ”: Indicates that the text included in quotes must be used verbatim in implementation.
 - { }: Indicates that the items are optional in implementation.
 - `Courier font`: Indicates filenames, folder names, XML keywords, XML tag names and XML codes.

SCOPE OF THE STANDARD

6. This Standard aims to guide IPOs how to package certified priority document data related to a patent, trademark, or industrial design application, ready for exchange preferably using machine-to-machine communication. The Standard is neutral in reference to the transmission mode used for exchange, rather it defines the type of data and file formats to be included in the package, the structure of this package and naming conventions. It should be noted that additional accompanying files might be necessary to support the transmission of the certified priority document data package, which are considered outside the scope of this Standard.

REQUIREMENTS OF THE STANDARD

7. A priority document data package (hereafter referred to as PDDP) must be generated by a certifying Office with the relevant documents compressed together as a single ZIP file. The PDDP ZIP file must be able to be decompressed by commonly used software for example WinZip², 7-Zip³, or Unix/Linux Zip; deflation with normal compression option and must not be password protected or encrypted.

8. All artifacts for priority document exchange purposes should be included in this PDDP ZIP file. The certifying Office determines the contents to be included in the PDDP ZIP file according to international, regional, or national laws.

9. The PDDP ZIP file consists of mandatory and optional components and these documents must be placed in the corresponding folders as specified in the Data Package Structure of this Standard. The mandatory components of the ZIP file are a Priority Document Index file and a single certified Priority Document PDF file. In addition, some other documents can be mandatory, depending on the IP right in question. For example, a sequence listing in XML for a patent application⁴, a sound mark in MP3 file for a trademark application⁵ and a 3D visual representation in STEP for an industrial design application⁶. The certified priority documents mean either only the single certified Priority Document PDF file or the combination of the single certified Priority Document PDF file and some other documents which are placed in the `OtherCertifiedArtifacts` folder explained below.

Data Package Structure

10. The PDDP ZIP file must contain a single Priority Document Index file and a single certified Priority Document PDF file, at top-level, whose contents are within the responsibility of the certifying Office. For example, in case of a patent priority document, it typically will consist of the certification page, description, claims, abstract and drawings of the application. The PDF file should be text based and all fonts used must be embedded in that PDF. The PDDP ZIP file may also contain two folders labelled `OtherCertifiedArtifacts` and `SupplementaryArtifacts` as described below if the relevant forms of content are to be within the PDDP ZIP file. These folders should not be provided if empty.

Index File

11. The Priority Document Index file (hereafter referred to as the Index file) provides the list of documents included in the PDDP ZIP file and any metadata associated with these documents so that recipient Offices can determine the contents of the data package. The Index file must specify the certifying Office, the application number, application filing date, the type of IP right for the priority document which must be one of the following permissible values: 'patent', 'trademark' and 'industrial design'.

² <https://www.winzip.com/en/>

³ <https://www.7-zip.org/>

⁴ See WIPO Standard ST.26

⁵ See WIPO Standard ST.68

⁶ See WIPO Standards ST.88 and ST.91

12. The Index file also provides the list of documents which are included in the PDDP ZIP file with respective data elements indicating each document. The `CertifiedPriorityDocumentBag` indicates the single Certified Priority Document PDF file and other documents which are placed in the `OtherCertifiedArtifacts` folder if existent. The `SupplementaryDocumentBag` indicates other relevant documents if provided in the `SupplementaryArtifacts` folder. The `DocumentDate` element for the `CertifiedPriorityDocument` element represents the date of creation of the Certified Priority Document PDF file.

13. The Index file is an XML file and must comply with the XML schema (XSD) provided as Annex II of this Standard. A sample Index XML file is provided as the Appendix to Annex II.

OtherCertifiedArtifacts folder

14. The `OtherCertifiedArtifacts` folder contains some other documents, if present, which are a mandatory part of the application, but normally provided as a separate file, for example, a sequence listing for a patent application. In the case of the priority document of a patent application, a sequence listing is the only document type permitted in this folder. The sequence listing should be provided in WIPO Standard ST.26, ST.25 or ST.23 format⁷ as originally submitted by the applicant. The content of the sequence listing should preferably not be rendered into PDF format and if it is rendered it should be included in the Certified Priority Document PDF file. For example, the contents of a PDDP ZIP file, containing a priority document with a sequence listing is as follows:

```
- \OtherCertifiedArtifacts folder
    US_17822338_20230331_SequenceListing_ST26.xml
```

SupplementaryArtifacts folder

15. The intent of adding a `SupplementaryArtifacts` folder is to allow the certifying Office to provide other relevant documents, which do not form part of the formal certified priority document itself but that are advantageous for processing the information of the priority document. A document may consist of several files. For example, drawings within a patent application may consist of multiple image files.

16. The `SupplementaryArtifacts` folder may consist of several sub-folders where the certifying Office considers it useful to provide these other relevant documents to the recipient Office. The sub-folder should not exist if empty. Folders can be created as needed under `SupplementaryArtifacts` and/or within the sub-folders considering the file format of the provided documents:

```
- \SupplementaryArtifacts (folder)
    o \XML (folder)8
    o \Images (folder)
    o \DOCX (folder)
    o \JSON (folder)
    o \ZIP (folder)
```

17. The `SupplementaryArtifacts` folder may be extended with additional sub-folders as determined by the certifying Office as required. For example, a `\MP4` sub-folder for multi-media files.

Naming Conventions

18. These naming convention rules are necessary to ensure consistency, uniformity and comprehensiveness in the naming of files and defining of all documents transmitted as part of the data package. These include the PDDP ZIP file itself, the Certified Priority Document PDF file and the Index file. Other files, such as the external image files referenced by XML documents do not need to follow these naming conventions.

19. The Index Schema defined in Annex II to this Standard must follow the naming conventions and rules of WIPO Standard ST.96.

⁷ All patent applications filed on or after July 1, 2022 disclosing amino acid and nucleotide sequences must contain an ST.26 XML compliant sequence listing. Any sequence listing furnished in respect of any applications filed before that date should still comply with WIPO Standards ST.25 or ST.23.

⁸ The XML folder may contain contents that are not XML files but in that case these contents must be referenced from the XML files provided in that folder. For example, TIFF image files that are not referenced in the XML instances provided must be provided in the Images folder.

Filenames

20. The characters used in the filenames of documents directly referenced in the Index file must belong to the following set: 'a-z, A-Z, 0-9', underscore "_", and period ".", where the underscore must only be used as a term separator.

21. The filename of the PDDP ZIP file must be in the format of:
<IP right type>"_<certifying Office ST.3 code >"_<application number>"_<the filing date in the format of yyyyymmdd>.zip
and the IP right type must be one of the values of "Patent", "Trademark" and "IndustrialDesign".

For example: Patent_US_17822338_20170331.zip would be the filename provided for the patent priority document furnished and certified by the United State Patent and Trademark Office (USPTO) for the patent application, which was filed on March 31, 2017 with an application number of 17822338.

22. The filename of Priority Document Index file must always be named: "PriorityDocumentIndex.xml".

23. The filename for the Certified Priority Document PDF file must be in the format of:
<certifying Office ST.3 Code>"_<application number>"_<filing date >"_ "PriorityDocument"{"_"<a unique identifier>}.pdf.
The date should be in the format of CCYYMMDD according to WIPO Standard ST.2

For example: US_17822338_20170331_PriorityDocument_000497.pdf for a priority document which is furnished and certified by the USPTO, the application number of which is 17822338 which was filed on March 31, 2017.

24. For files relating to documents located within the SupplementaryArtifacts folder, it is recommended that the filename include at least the following components:
<certifying Office ST.3 Code>, <application number>, and <category of document component>".<file extension>.
The "category of document component" indicates the type of a component which can be a part of the application or related data to the application. For a patent application, this component could be "ApplicationBody", "Drawings", "Classification" or "BibliographicData".

For example: US_17822338_20170331_BibliographicData.xml for bibliographic data in XML concerning the application of 17822338, which was filed on March 31, 2017, and provided by the USPTO.

REFERENCES

25. References to the following Standards and resources are of relevance to this Standard:

WIPO Standard ST.2	Standard manner for designating calendar dates by using Gregorian calendar.
WIPO Standard ST.3	Two-letter codes for the representation of states, other entities and intergovernmental organizations.
WIPO Standard ST.25	Presentation of nucleotide and amino acid sequence listings
WIPO Standard ST.26	Presentation of nucleotide and amino acid sequence listings using XML (eXtensible Markup Language)
WIPO Standard ST.36	Processing of Patent documents using XML (eXtensible Markup Language)
WIPO Standard ST.68	Electronic Management of Sound Marks
WIPO Standard ST.88	Electronic Representation of Industrial Designs
WIPO Standard ST.90	Processing and communicating intellectual property data using Web APIs (Application programming interfaces)
WIPO Standard ST.91	Recommendations on digital three-dimensional (3D) models and 3D images
WIPO Standard ST.96	Processing of intellectual property information using XML (Extensible Markup Language)
WIPO Standard ST.97	Processing of intellectual property data using JSON

[يلي ذلك المرفق الأول]

ANNEX I

PRIORITY DOCUMENT EXCHANGE EXAMPLE PACKAGE STRUCTURE

*Proposal presented for consideration by the Committee on WIPO Standards (CWS)
at its eleventh session.*

Provided below is a mock-up of a sample priority document data package, PDDP ZIP file, in table format, for Patent_US_17822338_20170331.zip, which describes the package structure including the files and folders which are included within the ZIP file. Comments are provided to further detail each component.

Patent_US_17822338_20170331.zip			
File/Folder Name	File/Folder Name	Sub-Level File Name	Comment:
PriorityDocumentIndex.xml			Index file
US_17822338_20170331_PriorityDocument_000497.pdf			Certified Priority Document PDF.
\OtherCertifiedArtifacts			
	US_17822338_20170331_SequenceListing_ST26.xml		Sequence listing complaint with WIPO ST.26
\SupplementaryArtifacts			
	\XML	US_17822338_20170331_ApplicationBody.xml	Application body and other related artifacts including the drawings referenced by the specification, bibliographic and classification data
		US_17822338_20170331_Abstract.xml	
		US_17822338_20170331_Description.xml	
		US_17822338_20170331_Claims.xml	
		US_17822338_20170331_BibliographicData.xml	
		US_17822338_20170331_ClassificationData.xml	
		US_17822338_20170331_0001.tif	Drawings referenced by the description
		US_17822338_20170331_0002.tif	Drawings referenced by the description
	\Images	US_17822338_20170331_Drawings.pdf	Image files which are not referenced by the application body or a scanned file that is optionally provided within the data package.
	\DOCX	US_17822338_20170331_Claims.docx	Claims in DOCX format
		US_17822338_20170331_Description.docx	Description in DOCX format

APPENDIX TO ANNEX I
SAMPLE PACKAGE STRUCTURE (TREE FORMAT)

The following tree structure is an alternative representation of the data presented in the Table shown above in Annex I.

```
+---Patent_US_17822338_20170331.zip
| PriorityDocumentIndex.xml           //sample index XML file
| US_17822338_20170331_PriorityDocument_000497.pdf //main priority document in PDF format
|
+---OtherCertifiedArtifacts
|   US_17822338_20170331_SequenceListing_ST26.xml //sample WIPO ST. 26 sequence listing
|
\---SupplementaryArtifacts
|
+---XML
| US_17822338_20170331_ApplicationBody.xml //sample application body in XML
| US_17822338_20170331_Abstract.xml       //sample abstract in XML
| US_17822338_20170331_Claims.xml        //sample claims in XML
| US_17822338_20170331_Description.xml   //sample description in XML
| US_17822338_20170331_00001.tif        //sample drawing image in TIFF referenced by Description
| US_17822338_20170331_00002.tif        //sample drawing image in TIFF referenced by Description
| US_17822338_20170331_BibliographicData.xml //sample bibliographic data in XML
| US_17822338_20170331_ClassificationData.xml //sample classification data in XML
|
+---Images
| US_17822338_20170331_Drawings.pdf      //sample drawings file in PDF
|
+---DOCX
| US_17822338_20170331_Claims.docx      //sample claims in DOCX
| US_17822338_20170331_Description.docx //sample description in DOCX
```

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ANNEX II

XML SCHEMA FOR PRIORITY DOCUMENT INDEX XML FILES¹

*Proposal presented for consideration by the Committee on WIPO Standards (CWS)
at its eleventh session.*

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:pde="http://www.wipo.int/standards/XMLSchema/PriorityDocumentExchange"
xmlns:com="http://www.wipo.int/standards/XMLSchema/ST96/Common"
targetNamespace="http://www.wipo.int/standards/XMLSchema/PriorityDocumentExchange"
elementFormDefault="qualified" attributeFormDefault="qualified" version="V1_0">
  <xsd:import namespace="http://www.wipo.int/standards/XMLSchema/ST96/Common"
schemaLocation="ST96_Common_V7_1.xsd"/>
  <xsd:element name="PriorityDocumentIndex" type="pde:PriorityDocumentIndexType">
    <xsd:annotation>
      <xsd:documentation>Index file for priority document
exchange</xsd:documentation>
      <xsd:appinfo>
        <com:SchemaLastModifiedDate>2023-11-
21</com:SchemaLastModifiedDate>

        <com:SchemaContactPoint>standards@wipo.int</com:SchemaContactPoint>
      </xsd:appinfo>
    </xsd:annotation>
  </xsd:element>
  <xsd:complexType name="PriorityDocumentIndexType">
    <xsd:sequence>
      <xsd:element ref="pde:IPTypeCategory"/>
      <xsd:element ref="pde:ApplicationNumber"/>
      <xsd:element ref="pde:ApplicationFilingDate"/>
      <xsd:element ref="pde:CertifiedPriorityDocumentBag"/>
      <xsd:element ref="pde:SupplementaryDocumentBag" minOccurs="0"/>
    </xsd:sequence>
    <xsd:attribute ref="com:id"/>
    <xsd:attribute ref="com:languageCode" use="required"/>
    <xsd:attribute ref="com:creationDate"/>
  </xsd:complexType>
  <xsd:complexType name="CertifiedPriorityDocumentBagType">
    <xsd:sequence>
      <xsd:element ref="pde:CertifiedPriorityDocument"/>
      <xsd:element ref="pde:OtherCertifiedDocumentBag" minOccurs="0"/>
    </xsd:sequence>
    <xsd:attribute ref="com:id"/>
  </xsd:complexType>
  <xsd:element name="ApplicationNumber" type="pde:ApplicationNumberType">
    <xsd:annotation>
      <xsd:documentation>Numbers used by IPOs in order to identify each
application received, where IP Office code is mandatory</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:complexType name="ApplicationNumberType">
    <xsd:sequence>
      <xsd:element ref="com:IPOOfficeCode"/>
      <xsd:choice>
        <xsd:element ref="com:ST13ApplicationNumber"/>

```

¹ Note: This XML Schema (XSD) is based on version 7.1 of WIPO Standard ST.96.

```

                <xsd:element ref="com:ApplicationNumberText"/>
            </xsd:choice>
        </xsd:sequence>
    </xsd:complexType>
    <xsd:element name="CertifiedPriorityDocumentBag"
type="pde:CertifiedPriorityDocumentBagType">
        <xsd:annotation>
            <xsd:documentation>A collection of certified
artifacts</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="OtherCertifiedDocumentBag"
type="pde:OtherCertifiedDocumentBagType">
        <xsd:annotation>
            <xsd:documentation>A collection of other Certified
artifacts</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:complexType name="OtherCertifiedDocumentBagType">
        <xsd:sequence>
            <xsd:element ref="pde:CertifiedPriorityDocument"
maxOccurs="unbounded"/>
        </xsd:sequence>
        <xsd:attribute ref="com:id"/>
    </xsd:complexType>
    <xsd:complexType name="SupplementaryDocumentBagType">
        <xsd:sequence>
            <xsd:element ref="pde:SupplementaryPriorityDocument"
maxOccurs="unbounded"/>
        </xsd:sequence>
        <xsd:attribute ref="com:id"/>
    </xsd:complexType>
    <xsd:element name="SupplementaryDocumentBag"
type="pde:SupplementaryDocumentBagType">
        <xsd:annotation>
            <xsd:documentation>A collection of supplementary
artifacts</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="OtherCertifiedDocument" type="pde:CertifiedPriorityDocumentType">
        <xsd:annotation>
            <xsd:documentation>Other certified document other than the certified
priority document in PDF</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="SupplementaryPriorityDocument"
type="pde:SupplementaryPriorityDocumentType">
        <xsd:annotation>
            <xsd:documentation>Supplementary artifact of priority
document</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="CertifiedPriorityDocument"
type="pde:CertifiedPriorityDocumentType">
        <xsd:annotation>
            <xsd:documentation>Certified priority document in PDF
format</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:complexType name="CertifiedPriorityDocumentType">
        <xsd:sequence>
            <xsd:element ref="com:DocumentName"/>
            <xsd:element ref="com:FileName"/>
            <xsd:element ref="com:DocumentLocationURI"/>
            <xsd:element ref="pde:PriorityDocumentStatusCategory" minOccurs="0"/>
            <xsd:element ref="com:DocumentFormatCategory" minOccurs="0"/>
            <xsd:element ref="pde:PriorityDocumentComponentCategory"
minOccurs="0"/>
            <xsd:element ref="com:DocumentDate" minOccurs="0"/>
            <xsd:element ref="com:DocumentVersion" minOccurs="0"/>
        </xsd:sequence>
    </xsd:complexType>

```

```
<xsd:element ref="com:DocumentSizeQuantity" minOccurs="0"/>
<xsd:element ref="com:PageTotalQuantity" minOccurs="0"/>
<xsd:element ref="com:CommentText" minOccurs="0"/>
</xsd:sequence>
<xsd:attribute ref="com:id"/>
<xsd:attribute ref="com:sequenceNumber"/>
<xsd:attribute ref="com:languageCode"/>
</xsd:complexType>
<xsd:simpleType name="PriorityDocumentStatusCategoryType">
  <xsd:restriction base="xsd:token">
    <xsd:enumeration value="As Filed">
      <xsd:annotation>
        <xsd:documentation>The document is identified the same
as filed</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Legal Copy">
      <xsd:annotation>
        <xsd:documentation>The document is identified as the
legal copy</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
  </xsd:restriction>
</xsd:simpleType>
<xsd:element name="PriorityDocumentStatusCategory"
type="pde:PriorityDocumentStatusCategoryType">
  <xsd:annotation>
    <xsd:documentation>Indicates whether a priority document is as filed
or considered to be the legal copy</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:complexType name="SupplementaryPriorityDocumentType">
  <xsd:sequence>
    <xsd:element ref="com:DocumentName"/>
    <xsd:choice>
      <xsd:element ref="com:FileName"/>
      <xsd:element ref="com:FileNameBag"/>
    </xsd:choice>
    <xsd:element ref="com:DocumentLocationURI"/>
    <xsd:element ref="pde:PriorityDocumentStatusCategory" minOccurs="0"/>
    <xsd:element ref="com:DocumentFormatCategory" minOccurs="0"/>
    <xsd:element ref="pde:PriorityDocumentComponentCategory"
minOccurs="0"/>
    <xsd:element ref="com:DocumentDate" minOccurs="0"/>
    <xsd:element ref="com:DocumentVersion" minOccurs="0"/>
    <xsd:element ref="com:DocumentSizeQuantity" minOccurs="0"/>
    <xsd:element ref="com:PageTotalQuantity" minOccurs="0"/>
    <xsd:element ref="com:CommentText" minOccurs="0"/>
  </xsd:sequence>
  <xsd:attribute ref="com:id"/>
  <xsd:attribute ref="com:sequenceNumber"/>
  <xsd:attribute ref="com:languageCode"/>
</xsd:complexType>
<xsd:element name="IPTypeCategory" type="pde:IPTypeCategoryType">
  <xsd:annotation>
    <xsd:documentation>Describes the filing type of application i.e.,
Patent, Trademark and Industrial Design</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:simpleType name="IPTypeCategoryType">
  <xsd:restriction base="xsd:token">
    <xsd:enumeration value="Patent">
      <xsd:annotation>
        <xsd:documentation>Patent includes such industrial
property rights as patents for inventions, plant patents, design patents, inventor's
certificates, utility certificates, utility models, patents of addition, inventor's
certificates of addition and utility certificates of addition.</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Trademark">
```

```
<xsd:annotation>
  <xsd:documentation>Trademarks means a sign or
combination of signs which distinguishes the goods or services of one undertaking from
those of other undertakings. Signs may consist of one or more distinctive words, letters,
numbers, drawings or pictures, symbols, colours, sounds, the form or other special
presentation of containers or packages for a product (provided it is not solely dictated by
their function) or other aspects depending on the jurisdiction. </xsd:documentation>
</xsd:annotation>
</xsd:enumeration>
<xsd:enumeration value="Industrial Design">
  <xsd:annotation>
    <xsd:documentation>Industrial design means the visual
aspect of an object, including its two-dimensional and three-dimensional features of shape
and surface of objects, and thus covers both concepts of designs and models where a
distinction is made between the former and the latter; the term industrial designs does not
include design patents.</xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
</xsd:restriction>
</xsd:simpleType>
<xsd:element name="PriorityDocumentComponentCategory" type="xsd:token">
  <xsd:annotation>
    <xsd:documentation>A category which identifies the component of a
priority document, such as the application body of a patent application or the sound file
of a trademark application</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="ApplicationFilingDate" type="com:DateType">
  <xsd:annotation>
    <xsd:documentation>The filing date of the
application</xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:schema>
```

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APPENDIX TO ANNEX II

EXAMPLE PATENT PRIORITY DOCUMENT INDEX FILE

*Proposal presented for consideration by the Committee on WIPO Standards (CWS)
at its eleventh session.*

```
<?xml version="1.0" encoding="UTF-8"?>
<pde:PriorityDocumentIndex xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:pde="http://www.wipo.int/standards/XMLSchema/PriorityDocumentExchange"
xmlns:com="http://www.wipo.int/standards/XMLSchema/ST96/Common" com:languageCode="en"
xsi:schemaLocation="http://www.wipo.int/standards/XMLSchema/PriorityDocumentExchange
PriorityDocumentIndex_V1_0.xsd">
  <pde:IPTYPECategory>Patent</pde:IPTYPECategory>
  <pde:ApplicationNumber>
    <com:IPOfficeCode>US</com:IPOfficeCode>
    <com:ApplicationNumberText>17822338</com:ApplicationNumberText>
  </pde:ApplicationNumber>
  <pde:ApplicationFilingDate>2017-03-31</pde:ApplicationFilingDate>
  <pde:CertifiedPriorityDocumentBag>
    <pde:CertifiedPriorityDocument>
      <com:DocumentName>Certified Priority Document</com:DocumentName>
      <com:FileName>US_17822338_20170331_PriorityDocument_000497.pdf</com:FileName>
      <com:DocumentLocationURI></com:DocumentLocationURI>
      <com:DocumentFormatCategory>PDF</com:DocumentFormatCategory>
      <pde:PriorityDocumentComponentCategory>Certified priority
document</pde:PriorityDocumentComponentCategory>
      <com:DocumentDate>2022-06-24</com:DocumentDate>
      <com:PageTotalQuantity>6</com:PageTotalQuantity>
    </pde:CertifiedPriorityDocument>
    <pde:OtherCertifiedDocumentBag>
      <pde:CertifiedPriorityDocument>
        <com:DocumentName>Sequence Listing</com:DocumentName>
        <com:FileName>US_17822338_20170331_SequenceListing_ST26.xml</com:FileName>
        <com:DocumentLocationURI>OtherCertifiedArtifacts</com:DocumentLocationURI>
        <pde:PriorityDocumentStatusCategory>Legal
Copy</pde:PriorityDocumentStatusCategory>
        <com:DocumentFormatCategory>XML</com:DocumentFormatCategory>
        <pde:PriorityDocumentComponentCategory>Sequence
listing</pde:PriorityDocumentComponentCategory>
        <com:DocumentDate>2017-03-31</com:DocumentDate>
      </pde:CertifiedPriorityDocument>
    </pde:OtherCertifiedDocumentBag>
  </pde:CertifiedPriorityDocumentBag>
  <pde:SupplementaryDocumentBag>
    <pde:SupplementaryPriorityDocument>
      <com:DocumentName>ApplicationBody</com:DocumentName>
      <com:FileName>US_17822338_20170331_ApplicationBody.xml</com:FileName>
      <com:DocumentLocationURI>SupplementaryArtifacts/XML</com:DocumentLocationURI>
      <pde:PriorityDocumentStatusCategory>Legal
Copy</pde:PriorityDocumentStatusCategory>
      <com:DocumentFormatCategory>XML</com:DocumentFormatCategory>
      <pde:PriorityDocumentComponentCategory>Application
body</pde:PriorityDocumentComponentCategory>
    </pde:SupplementaryPriorityDocument>
  </pde:SupplementaryDocumentBag>
  <pde:SupplementaryPriorityDocument>
    <com:DocumentName>Abstract</com:DocumentName>
    <com:FileName>US_17822338_20170331_Abstract.xml</com:FileName>
    <com:DocumentLocationURI>SupplementaryArtifacts/XML</com:DocumentLocationURI>
    <pde:PriorityDocumentStatusCategory>As
Filed</pde:PriorityDocumentStatusCategory>
```

```
<com:DocumentFormatCategory>XML</com:DocumentFormatCategory>

<pde:PriorityDocumentComponentCategory>Abstract</pde:PriorityDocumentComponentCatego
ry>
  </pde:SupplementaryPriorityDocument>
  <pde:SupplementaryPriorityDocument>
    <com:DocumentName>Description</com:DocumentName>
    <com:FileName>US_17822338_20170331_Description.xml</com:FileName>

    <com:DocumentLocationURI>SupplementaryArtifacts/XML</com:DocumentLocationURI>
    <com:DocumentFormatCategory>XML</com:DocumentFormatCategory>

  <pde:PriorityDocumentComponentCategory>Description</pde:PriorityDocumentComponentCat
egory>
    </pde:SupplementaryPriorityDocument>
    <pde:SupplementaryPriorityDocument>
      <com:DocumentName>Drawings</com:DocumentName>
      <com:FileNameBag>
        <com:FileName>US_17822338_20170331_00001.tif</com:FileName>
        <com:FileName>US_17822338_20170331_00002.tif</com:FileName>
      </com:FileNameBag>

      <com:DocumentLocationURI>SupplementaryArtifacts/XML</com:DocumentLocationURI>
      <com:DocumentFormatCategory>TIFF</com:DocumentFormatCategory>

    <pde:PriorityDocumentComponentCategory>Drawing</pde:PriorityDocumentComponentCategor
y>
      </pde:SupplementaryPriorityDocument>
      <pde:SupplementaryPriorityDocument>
        <com:DocumentName>Claims</com:DocumentName>
        <com:FileName>US_17822338_20170331_Claims.xml</com:FileName>

        <com:DocumentLocationURI>SupplementaryArtifacts/XML</com:DocumentLocationURI>
        <com:DocumentFormatCategory>XML</com:DocumentFormatCategory>

      <pde:PriorityDocumentComponentCategory>Claims</pde:PriorityDocumentComponentCategory
>
        </pde:SupplementaryPriorityDocument>
        <pde:SupplementaryPriorityDocument>
          <com:DocumentName>Bibliographic Data</com:DocumentName>

          <com:FileName>US_17822338_20170331_BibliographicData.xml</com:FileName>

          <com:DocumentLocationURI>SupplementaryArtifacts/XML</com:DocumentLocationURI>
          <com:DocumentFormatCategory>XML</com:DocumentFormatCategory>
          <pde:PriorityDocumentComponentCategory>Bibliographic
data</pde:PriorityDocumentComponentCategory>
            </pde:SupplementaryPriorityDocument>
            <pde:SupplementaryPriorityDocument>
              <com:DocumentName>Classification Data</com:DocumentName>

              <com:FileName>US_17822338_20170331_ClassificationData.xml</com:FileName>

              <com:DocumentLocationURI>SupplementaryArtifacts/XML</com:DocumentLocationURI>
              <com:DocumentFormatCategory>XML</com:DocumentFormatCategory>
              <pde:PriorityDocumentComponentCategory>Classification
data</pde:PriorityDocumentComponentCategory>
                </pde:SupplementaryPriorityDocument>
                <pde:SupplementaryPriorityDocument>
                  <com:DocumentName>Drawings</com:DocumentName>
                  <com:FileName>US_17822338_20170331_Drawings.pdf</com:FileName>

                  <com:DocumentLocationURI>SupplementaryArtifacts/Images</com:DocumentLocationURI>
                  <com:DocumentFormatCategory>PDF</com:DocumentFormatCategory>

                <pde:PriorityDocumentComponentCategory>Drawing</pde:PriorityDocumentComponentCategor
y>
                  </pde:SupplementaryPriorityDocument>
                  <pde:SupplementaryPriorityDocument>
                    <com:DocumentName>Claims</com:DocumentName>
```

```
<com:FileName>US_17822338_20170331_Claims.docx</com:FileName>

<com:DocumentLocationURI>SupplementaryArtifacts/DOCX/</com:DocumentLocationURI>
  <com:DocumentFormatCategory>MS Word</com:DocumentFormatCategory>

<pde:PriorityDocumentComponentCategory>Claims</pde:PriorityDocumentComponentCategory
>
  </pde:SupplementaryPriorityDocument>
  <pde:SupplementaryPriorityDocument>
    <com:DocumentName>Description</com:DocumentName>
    <com:FileName>US_17822338_20170331_Description.docx</com:FileName>

    <com:DocumentLocationURI>SupplementaryArtifacts/DOCX/</com:DocumentLocationURI>
      <com:DocumentFormatCategory>MS Word</com:DocumentFormatCategory>

    <pde:PriorityDocumentComponentCategory>Description</pde:PriorityDocumentComponentCat
egory>
      </pde:SupplementaryPriorityDocument>
    </pde:SupplementaryDocumentBag>
  </pde:PriorityDocumentIndex>
```

[نهاية المرفق الثاني والمعيار]

[نهاية المرفق الثاني والوثيقة]