

CWS/12/15

الأصل: بالإنجليزية

التاريخ: 18 يوليو 2024

## اللجنة المعنية بمعايير الويبو

الدورة الثانية عشرة

جنيف، من 16 إلى 19 سبتمبر 2024

اقترح معيار جديد للويبو بشأن نسق حزم البيانات من أجل التبادل الإلكتروني للوثائق ذات الأولوية

وثيقة من إعداد الهيئة المشرفة على فرقة العمل المعنية بالتحول الرقمي

### ملخص

1. تقدم فرقة العمل المعنية بالتحول الرقمي اقتراحاً بوضع معيار جديد للويبو بشأن نسق حزم البيانات من أجل التبادل الإلكتروني للوثائق ذات الأولوية، للنظر فيه واعتماده في الدورة الثانية عشرة للجنة المعنية بمعايير الويبو (لجنة المعايير).

### معلومات أساسية

2. أنشأت لجنة المعايير، في دورتها العاشرة، المهمة رقم 65، للنظر في اقتراح قدمه الفريق العامل المعني بمعاهدة البراءات، في دورته الخامسة عشرة. وقد اقترح الفريق العامل أن تقوم لجنة المعايير بوضع معيار جديد للويبو لتمكين نقل قوائم التسلسل بنسق معيار الويبو ST.26، كجزء من وثائق الأولوية. وأسندت هذه المهمة إلى فرقة العمل المعنية بالتحول الرقمي، ويرد فيما يلي وصفها:

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

3. وأحاطت لجنة المعايير، في دورتها الحادية عشرة، علماً بمشروع المعيار المقترح وتسمية مشروع المعيار باسم "معيار الويبو ST.92 - توصيات بشأن نسق حزمة البيانات من أجل التبادل الإلكتروني للوثائق ذات الأولوية والنسخ المعتمدة"، واللذين قدمتهما فرقة العمل المعنية بالتحول الرقمي. ومع ذلك، رأت لجنة المعايير أن هناك حاجة إلى مزيد من العمل بشأن مشروع المعيار قبل اعتماده. وبالإضافة إلى ذلك، أعربت عدة وفود عن قلقها بشأن خطة التنفيذ المقترحة، المستندة إلى "فترة انتهاء الصلاحية"، والتي قد لا تمنح مكاتب الملكية الفكرية وقتاً كافياً لتنفيذ المعيار الجديد (انظر الفقرات من 102 إلى 109 من الوثيقة CWS/11/28).

4. ونظمت فرقة العمل المعنية بالتحول الرقمي، أثناء قيامها بهذه المهمة، اجتماعات افتراضية شهرية منذ انعقاد الدورة الأخيرة للجنة المعايير، كما أجرت مناقشات على صفحة الويكي الخاصة بها. وأدت زيادة مشاركة أعضاء فرقة العمل إلى تحسين مشروع المعيار الذي يعالج الاهتمامات السابقة، بما في ذلك:

(أ) تمديد فترة التنفيذ لمراعاة عمليات تحديث أنظمة تكنولوجيا المعلومات التي قد تكون مطلوبة؛

(ب) توضيح نطاق وثائق الأولوية الإلزامية أو التكميلية؛

(ج) التأكيد على أن الطريقة التي تصادق بها مكاتب الملكية الفكرية على وثائق الأولوية، لا تدخل ضمن نطاق المعيار.

ويُتاح المزيد من التفاصيل حول الأنشطة التحضيرية لفرقة العمل في الوثيقة CWS/12/13.

## اقترح معيار جديد

5. قبل اعتماد معيار الويبو ST.26، لم يكن بمقدور مكاتب الملكية الفكرية إرسال وثائق الأولوية الخاصة بالبراءات إلا بنسق PDF. ومنذ دخول معيار الويبو ST.26 حيز النفاذ في 1 يوليو 2022، لم تتفق مكاتب الملكية الفكرية على وسائل نقل قوائم التسلسل المقدمة بنسق الويبو ST.26. وتم التوصل إلى عدة حلول منذ دخول معيار الويبو ST.26 حيز النفاذ، بما في ذلك استخدام أوراق الأنماط الأسلوبية لتحويل نسخة بنسق لغة الترميز الموسعة (XML) إلى نسخة قابلة للقراءة البشرية، مثل نسق PDF، وتوسيع مكاتب الملكية الفكرية إلى إيجاد طريقة لإرسال وثائق الأولوية، التي تتضمن قوائم التسلسل، في نسقها الأصلي، عند الطلب.

6. ويوصي مشروع المعيار المقترح، والذي يرد في مرفقات هذه الوثيقة، باعتماد نسق حزمة البيانات من أجل التبادل الإلكتروني لوثائق الأولوية بغض النظر عن وسائل نقل حزمة البيانات، ويُشار إليها فيما يلي باسم حزمة بيانات وثائق الأولوية (PDDP).

## الأهداف

7. يهدف هذا المعيار إلى تقديم توصيات بشأن النسق PDDP لتبادل وثائق الأولوية والوثائق الأخرى ذات الصلة إلكترونيًا وفقًا لما يلي:

– المادة 4-د (3) من اتفاقية باريس لحماية الملكية الصناعية التي تجيز لدول الاتحاد بأن تطلب ممن يقدم إقراراً بالأولوية أن يورد نسخة من طلب الملكية الصناعية المودع سابقاً، مصدق عليها من الهيئة التي تلقت هذا الطلب؛

– التفاهم المتفق عليه بين جمعيتي اتحاد باريس واتحاد معاهدة التعاون بشأن البراءات في عام 2004<sup>1</sup> والذي يشير إلى أن السلطة المختصة التي تقدم وثيقة الأولوية هي التي تحدد ما يشكل وثيقة أولوية معتمدة وتاريخ إيداعها، وكيفية اعتماد تلك الوثيقة.

8. ويهدف هذا المعيار المقترح إلى تعريف النسق PDDP وبنيتها، وتحديد المحتويات الإلزامية للحزمة واصطلاحات تسمية الملفات المضمنة في الحزمة. وتتمثل الأهداف الرئيسية لهذا المعيار فيما يلي:

– السماح بأن يتم بشكل موحد وفعال تبادل وثائق الأولوية 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 الجغرافية بأنساق معايير الويبو ST.36 و ST.96 و ST.97.

## النطاق

9. يتسم المعيار المقترح بالحيادية فيما يتعلق بطريقة النقل المستخدمة في التبادل. بل إنه يحدد نوع البيانات وأنساق الملفات التي سُدِّرج في الحزمة، وبنية هذه الحزمة واصطلاحات التسمية. وبخلاف المكونات التي يشار إليها على أنها إلزامية وفقاً للتوصيات، يحدد مكتب المزود ما سُدِّرج في حزمة البيانات تلك.

<sup>1</sup> انظر الفقرة 9 من الوثيقة A/40/6.

10. وفي هذه المرحلة، لا يوفر المعيار سوى تفاصيل بشأن تبادل وثائق الأولوية الخاصة بالبراءات، ولكن المراجعات المستقبلية لهذا المعيار، بمجرد اعتمادها، ستمتد لتشمل وثائق الأولوية الخاصة بالعلامات التجارية والتصاميم الصناعية.

11. وفيما يلي هيكل المعيار المقترح:

- المتن الرئيسي: يحدد بنية حزمة البيانات واصطلاحات التسمية؛
- المرفق الأول - تعريف مخطط لغة الترميز الموسعة فيما يخص ملفات فهرس ووثائق الأولوية؛
- ملحق المرفق الأول - نموذج عن لغة الترميز الموسعة لملفات فهرس النسق حزمة بيانات ووثائق الأولوية؛
- المرفق الثاني - أمثلة على هيكل حزمة بيانات ووثائق الأولوية: يقدم نموذجاً من حزمة بيانات ووثائق الأولوية في شكل جدول؛
- ملحق المرفق الثاني - ترد نفس معلومات المرفق الثاني في شكل هيكل شجرة بديل؛
- المرفق الثالث - نموذج لتجزئة حزمة بيانات ووثائق الأولوية المرسله مباشرة إلى المودعين لضمان سلامة الحزمة وعدم رفضها.

12. ويرد المتن الرئيسي للمعيار المقترح في المرفق الأول بهذه الوثيقة. ويرد ملف الفهرس الخاص بتعريف مخطط لغة الترميز الموسعة في المرفق الثاني. أما نموذج لغة الترميز الموسعة لملفات فهرس النسق حزمة بيانات ووثائق الأولوية، فهو يرد في المرفق الثالث بهذه الوثيقة.

13. ويُقترح الاسم التالي لمعيار الويبو الجديد:

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

### تنفيذ معيار الويبو الجديد

14. بمجرد أن تعتمد لجنة المعايير معيار الويبو الجديد المقترح، ينبغي أن تنظر مكاتب الملكية الفكرية في خططها لتنفيذ المعيار. وتقتراح الهيئة المشرفة على فرقة العمل والمكتب الدولي نهجاً تدريجياً يتضمن "فترة انتهاء" بحلول 1 يوليو 2027، مما يسمح لكل مكتب للملكية الفكرية باستكمال تنفيذ المعيار الجديد بالوتيرة التي تناسبه. وقد ترغب المكاتب أيضاً في انتظار التوصيات بشأن وثائق الأولوية الخاصة بالعلامات التجارية والتصاميم الصناعية قبل تنفيذ المعيار الجديد، والتي سَتُقَدَّم في الدورة القادمة للجنة المعايير.

15. ويخطط المكتب الدولي لتحديث خدمة الويبو للنفاذ الرقمي (DAS)، لقبول وتقديم وثائق الأولوية المتوافقة مع المعيار الجديد. ومن المحتمل أن يكون الإطار الزمني لإكمال هذا التحديث ستة أشهر. وسيتمكن التحديث خدمة النفاذ الرقمي من قبول وتقديم وثائق الأولوية المتوافقة مع المعيار الجديد، بالتوازي مع النسق الحالي، حتى نهاية الفترة الانتقالية في 30 يونيو 2027. واعتباراً من 1 يوليو 2027، تخطط خدمة الويبو للنفاذ الرقمي لقبول وتقديم وثائق الأولوية المتوافقة مع هذا المعيار فقط. وينبغي مناقشة المزيد من التفاصيل التقنية بشأن تنفيذ المعيار المقترح في خدمة الويبو للنفاذ الرقمي بشكل منفصل بين المكاتب المشاركة في تلك الخدمة.

### اقترح مراجعة المهمة رقم 65

16. بمجرد أن تعتمد لجنة المعايير المعيار الجديد المقترح بشأن حزمة بيانات ووثائق الأولوية، يمكن اعتبار المهمة رقم 65 مكتملة جزئياً. وستبدأ فرقة العمل في التعاون في تنفيذ المعيار، وستقوم، وفي الوقت ذاته، بمراجعة المعيار ليشمل توصيات بشأن وثائق الأولوية الخاصة بالعلامات التجارية والتصاميم الصناعية. وعلاوة على ذلك، عند 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 1 يوليو 2027."

17. إن لجنة المعايير مدعوة إلى:

(أ) الإحاطة علماً بمحتوى هذه الوثيقة ومرفقاتها؛

(ب) والنظر في مراجعة اسم المعيار المقترح "معيار الويبو ST.92"، على النحو المشار إليه في الفقرة 13 أعلاه والموافقة عليها؛

(ج) والنظر في معيار الويبو ST.92 الجديد واعتماده، على النحو المبين في الفقرات من 5 إلى 12 أعلاه وعلى النحو الوارد في مرفقات هذه الوثيقة؛

(د) والنظر في خطة التنفيذ على النحو المبين في الفقرتين 14 و15 أعلاه، والموافقة عليها؛

(هـ) والنظر في تعديل المهمة رقم 65، على النحو المبين في الفقرة 16 أعلاه، والموافقة عليه.

[يلي ذلك المرفق الأول]

**STANDARD ST.92**  
RECOMMENDATIONS ON THE DATA PACKAGE FORMAT FOR THE  
ELECTRONIC EXCHANGE OF PRIORITY DOCUMENTS

*Draft, Version 1.0*

*Proposal presented by the Digital Transformation Task Force for consideration and adoption by the Committee on WIPO Standards (CWS) at its twelfth session*

*Editorial Note prepared by the International Bureau  
Recommendations on trademark and industrial design priority document exchange will be covered in a future update to this Standard*

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## STANDARD ST.92

### RECOMMENDATIONS ON THE DATA PACKAGE FORMAT FOR THE ELECTRONIC EXCHANGE OF PRIORITY DOCUMENTS

*Draft, Version 1.0*

*Proposal presented by the Digital Transformation Task Force for consideration and adoption by the Committee on WIPO Standards (CWS) at its twelfth 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 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, certified as correct by the authority which received such application. Article 4D(3) further provides that countries of the Paris Union may require that the copy of the application be accompanied by a certificate from the same authority showing the date of filing.

2. The agreed understanding by the Assemblies of the Paris Union and the Patent Cooperation Treaty (PCT) Union in 2004<sup>1</sup> 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 an IPO that receives electronically furnished priority documents can read and use those documents efficiently.

3. The purpose of this Standard is to allow for the efficient and standardized exchange of 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 or ST.97.

#### SCOPE OF THE STANDARD

4. This Standard guides IPOs on how to package priority document data related to a patent 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 priority document data package, which are considered outside the scope of this Standard.

#### DEFINITIONS AND TERMINOLOGY

5. For the purpose of this Standard, the expression:

- “priority document” means a copy of a previously filed patent application to which priority is claimed, certified as correct by the authority in which the application was filed, and including a certificate from that authority that shows the date of filing. The certification page may be provided as a separate PDF.
- “certification page” means the certification issued by the authority and shows the date of filing.
- “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.
- “providing Office” means the authority that issued the priority document.
- “recipient Office” means the office of second filing or office of subsequent filing.
- “schema” means XML Schema Definition (XSD) as defined in Annex I of this Standard.
- “ZIP” means an archived file format specified in ISO/IEC 213201:2015, and a ZIP file may contain one or more files or directories that may have been compressed.

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

6. For the purpose of this Standard, the word(s):
- “may” refers to an optional or permissible approach, but not a requirement.
  - “must” refers to a requirement of the Standard; disregard of the requirement will result in noncompliance.
  - “must not” refers to a prohibition of the Standard.
  - “should” refers to a strongly encouraged approach, but not a requirement.
  - “should not” refers to a strongly discouraged approach, but not a prohibition.
7. 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.

#### REFERENCES

8. References to the following Standards and resources are of relevance to this Standard:
- |   |  |
|---|--|
| WIPO Standard <a href="#">ST.2</a>                | Standard manner for designating calendar dates by using Gregorian calendar.                            |
| WIPO Standard <a href="#">ST.3</a>                | Two-letter codes for the representation of states, other entities and intergovernmental organizations. |
| WIPO Standard <a href="#">ST.25</a>               | Presentation of nucleotide and amino acid sequence listings  |
| WIPO Standard <a href="#">ST.26</a>               | Presentation of nucleotide and amino acid sequence listings using XML (eXtensible Markup Language)     |
| WIPO Standard <a href="#">ST.36</a>               | Processing of Patent documents using XML (eXtensible Markup Language)                                  |
| WIPO Standard <a href="#">ST.96</a>               | Processing of intellectual property information using XML (eXtensible Markup Language)                 |
| WIPO Standard <a href="#">ST.97</a>               | Processing of intellectual property data using JSON  |
| ISO Standard ISO/EIC <a href="#">21320-1:2015</a> | Information Technology - Document Container File (ref: File zipping)                                   |
| ISO Standard ISO/EIC <a href="#">10118-1:2016</a> | Hash functions (ref: File hashing)   |



## REQUIREMENTS OF THE PRIORITY DOCUMENT DATA PACKAGE

9. The Priority Document Data Package (hereafter referred to as PDDP) must be compressed into as a single ZIP file, hereafter referred to as PDDP ZIP file. The PDDP ZIP file must be able to be decompressed by commonly used software for example WinZip<sup>2</sup>, 7-Zip<sup>3</sup>, or Unix/Linux Zip; deflation with normal compression option and must not be password protected or encrypted.
10. All artifacts for priority document exchange purposes should be included in this PDDP ZIP file. The providing Office determines the contents to be included in the PDDP ZIP file according to international, regional, or national laws.
11. The PDDP ZIP file consists of:
- The PDDP Index file in XML format (hereafter referred to as the PDDP Index file) `PriorityDocumentIndex.xml`, which describes the content of the data package;
  - The `MandatoryArtifacts` folder containing the Priority Document PDF file and other mandatory documents, as defined in the “`MandatoryArtifacts Folder`” section, including the sequence listing file where appropriate; and
  - The `SupplementaryArtifacts` folder which contains optional files, as defined in the “`SupplementaryArtifacts Folder`” section: this folder should not exist if empty.
12. When the providing Office provides the PDDP ZIP file to an applicant, to ensure the integrity and non-repudiation of the PDDP ZIP file, a cryptographic hash of the PDDP ZIP file may be used. Annex III outlines one example of hashing of the PDDP ZIP file.

### *Data Package Structure*

#### PDDP Index File

13. The PDDP must contain the PDDP Index file in XML format which must identify all documents included in the PDDP including any externally referenced files so that recipient Offices can determine the contents of the data package. In other words, the purpose of the PDDP index file is to have a manifest of what is included in the PDDP. The PDDP Index file must specify the providing Office, the application number, application filing date, and the type of IP right for the priority document which for patents must be “patent”.
14. The PDDP Index file must comply with the XML schema (XSD) provided as Annex I of this Standard. A fictitious sample PDDP Index XML file is provided in Appendix I of this Standard. The examples provided in this Standard are fictitious and provided solely for guidance.
15. The PDDP Index XML schema has a root element `PriorityDocumentIndex`. The element `PriorityDocumentBag` references the single Priority Document PDF file and other documents which are placed in the `MandatoryArtifacts` folder. The element `SupplementaryDocumentBag` references other relevant documents if provided in the `SupplementaryArtifacts` folder. The `DocumentDate` element for the `PriorityDocument` element represents the date of creation of the Priority Document PDF file.

#### MandatoryArtifacts Folder

16. The `MandatoryArtifacts` folder contains the Priority Document PDF file, whose contents are the responsibility of the providing Office. If all of the necessary fonts cannot be embedded in a text-based PDF, then the PDF file should be image-based. The file need not be digitally signed for the purpose of inter-office exchange but if signed, it should be in compliance with a recognized industry standard. The `MandatoryArtifacts` folder must also contain the other mandatory artifacts, as applicable.
17. The `MandatoryArtifacts` folder must include the certification page. This may be included as part of the Priority Document PDF or alternatively as a separate PDF. In addition, the Priority Document PDF for a patent application typically includes the description, claims, abstract and drawings of the application. If a sequence listing file was included in the application, the `MandatoryArtifacts` folder must also contain this file, and it must be provided in WIPO Standard ST.26, ST.25 or ST.23 format<sup>4</sup> as originally submitted by the applicant. The content of the sequence listing should not be rendered into PDF format. If it is rendered, it should be included in the Priority Document PDF file and the original version must also be provided in the `MandatoryArtifacts` folder. The sequence listing file may be zipped.

---

<sup>2</sup> <https://www.winzip.com/en/>

<sup>3</sup> <https://www.7-zip.org/>

<sup>4</sup> 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 the applicable WIPO Standards.

For example, the contents of a `MandatoryArtifacts` folder, containing a priority document with a sequence listing is as follows:

- US\_59111111\_20220719\_PriorityDocument\_000497.pdf (The patent priority document includes the certification page, the description, claims, abstract and drawings of the application.);
- US\_59111111\_20220719\_SequenceListing\_ST26.xml; or
- US\_59111111\_20220719\_SequenceListing\_ST26.zip.

In contrast, this example shows the `MandatoryArtifacts` folder having the certification page provided separately in PDF format as follows:

- US\_59111111\_20220719\_CertificationPage\_000497.pdf;
- US\_59111111\_20220719\_PriorityDocument\_000497.pdf (The document will typically include the description, claims, abstract and drawings of the application.);
- US\_59111111\_20220719\_SequenceListing\_ST26.xml; or
- US\_59111111\_20220719\_SequenceListing\_ST26.zip.

#### SupplementaryArtifacts Folder

18. The `SupplementaryArtifacts` folder allows the providing Office to provide other optional documents, which may be beneficial to the recipient Office. For the patent priority documents, these may include versions of the bibliographic or classification data or else all or part of the application body in an alternative format to the PDF supplied in the `MandatoryArtifacts` folder. The alternative formats may be the documents exactly as they were filed, or else a full text version of the document prepared administratively by the providing Office. The recipient Office may choose to process or archive the contents of this folder at its discretion.

19. While there is no restriction on permitted file formats for the documents in this folder, permitted document types must be defined as one of the following:

- **Bibliographic data**: Bibliographic information included on the first page of a patent document. Contains document identification, domestic filing data, foreign priority data, public availability dates or term of protection, technical information, related patent or application information.
- **Classification data**: The collection of various classification data which arranges the application according to technology area.
- **Sequence listing**: Part of the description of the patent application as filed or a document filed subsequently to the application, which includes the disclosed nucleotide and/or amino acid sequence(s), along with any further description, in WIPO ST.23, ST.25 or ST.26 formats.
- **Abstract**: Part of the patent application that consists of a concise summary of the disclosure as contained in the description, the claims and any drawings.
- **Description**: Description of the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
- **Claims**: Collection of claims.
- **Drawings**: Drawing is the part of a patent application which illustrates the invention and which is required when it is necessary for the understanding of the invention.
- **Application body**: A document containing the abstract, description, claims and drawings.
- **Preconversion document**: A document provided by the applicant in some systems including PCT, normally being a full text format document from which the official filing was created.

20. Subfolders or zip files may be added to hold the document and its referenced files to avoid file naming conflicts. When subfolders are used, the name of the document should be used for the folder name.

For example, the subfolder name below is `US_59111111_20220719_Description` and the name of the main document is `US_59111111_20220719_Description.xml`:

```
/US_59111111_20220719_Description
  US_59111111_20220719_Description.xml
  US_59111111_20220719_Description_0001.tif
  US_59111111_20220719_Description_0002.tif
```

### Naming Conventions and Document Identification

21. To ensure that the PDDP can be processed effectively by IPOs irrespective of their degree of automation of processing, the name of the files in the `MandatoryArtifacts` folder must follow a uniform naming convention and are properly described in the PDDP Index file. These files include the PDDP ZIP file itself, the Priority Document PDF file, the PDDP Index file, and sequence listing file if applicable. External files referenced by XML documents (e.g., image files, Mathematica<sup>5</sup> notebook files, chemical structure files, etc.) do not need to follow these naming conventions, and are outside the scope of this Standard.

22. The characters used in the file and folder names 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 and the period only to separate the file extension.

23. The filename of the PDDP Index file must always be named: "PriorityDocumentIndex.xml".

24. The filename of the PDDP ZIP file must be in the format of:  
<IP right type>"\_<providing Office ST.3 code>"\_<application number>"\_<the filing date<sup>6</sup>>".zip".

For example: Patent\_US\_59111111\_20220719.zip would be the filename provided for the patent priority document furnished by the United States Patent and Trademark Office (USPTO) for the patent application which was filed on July 19, 2022 with an application number of 59111111.

For example: Patent\_GB\_PCTGB2023000123\_20230114.zip would be the filename provided for the priority document furnished by the United Kingdom Intellectual Property Office for the international application which was filed on January 14, 2023 with an application number of PCT/GB2023/000123.

25. The filename for the Priority Document PDF file must be in the format of:  
<providing Office ST.3 Code>"\_<application number>"\_<filing date<sup>6</sup>>"\_PriorityDocument{"\_"<an optional unique identifier for a patent application>}.pdf.

For example: US\_59111111\_20220719\_PriorityDocument\_000497.pdf for a priority document which is furnished by USPTO as the providing Office, the application number of which is 59111111 which was filed on July 19, 2022.

26. The filename for the certification page PDF file, in the case that it is provided separately, must be in the format of:  
<providing Office ST.3 Code>"\_<application number>"\_<filing date<sup>6</sup>>"\_CertificationPage{"\_"<an optional unique identifier for a patent application>}.pdf.

For example: US\_59111111\_20220719\_CertificationPage\_000497.pdf for a certification page which is furnished by USPTO as the providing Office the application number of which is 59111111 which was filed on July 19, 2022.

27. For files relating to documents located within the `SupplementaryArtifacts` folder, the file name convention proposed below should be followed, at the discretion of the providing Office:

<providing Office ST.3 Code>"\_<application number>"\_<filing date<sup>6</sup>>"\_<category of document>{"\_"<unique identifier - optional unless there are several documents of the same category>}.<file extension>

The "category of document" indicates the type of artifact which is a part of the application or related data of the application and should be in upper camel case naming convention of the English language document types indicated in the `SupplementaryArtifacts` folder section. For example, for a patent application, this artifact may be "ApplicationBody", "ClassificationData" or "BibliographicData".

It is not mandatory to rename documents within the `SupplementaryArtifacts` folder to comply with the naming conventions.

<sup>5</sup> <https://www.wolfram.com/mathematica/>

<sup>6</sup> The date should be in the format of CCYYMMDD according to WIPO Standard ST.2

For example: US\_59111111\_20220719\_BibliographicData.xml for bibliographic data in XML concerning the application of 59111111 which was filed on July 19, 2022 and provided by the USPTO.

28. Where a patent priority document in either the `MandatoryArtifacts` or `SupplementaryArtifacts` folder consists of the exact file or files submitted by the applicant at the time of filing for the application body, description, claims, drawings, abstract or sequence listing, the `DocumentAsFiledIndicator` element should be set to `true` in the PDDP Index file. The value of this element must not be changed as a result of the document being zipped or unzipped or having its file name changed by the providing Office compared to what was submitted. The element should not be set to `true` for other files, such as scans of applications filed on paper or PDFs with modified contents, even if this should not have changed the visual representation of the document, such as removal of metadata.

[Annex I of draft standard follows]

ANNEX I - XML SCHEMA DEFINITION (XSD) FOR PRIORITY DOCUMENT INDEX XML FILES

Version 1.0

*Proposal presented by the Digital Transformation Task Force for consideration and adoption by the Committee on WIPO Standards (CWS) at its twelfth session*

*Editorial Note by the International Bureau:*

*Annex I of WIPO Standard ST.92 is the set of XML schema components to represent the minimum and extended data elements of a PDDP Index file furnished by an IPO. Annex I is based on WIPO Standard ST.96, version 7.1, including the naming conventions used to identify the names of the specific data components for Priority Document Exchange. Annex I includes an Appendix which is a fictitious sample XML instance of a PDDP Index file structured according to the XML schema.*

The XML schema for the PDDP Index file can be downloaded here (the contents of which is included below): [Note: See Annex II to document CWS/12/15. URL will be provided once the proposed standard is adopted.]

```
<?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="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>2024-06-
18</com:SchemaLastModifiedDate>

        <com:SchemaContactPoint>standards@wipo.int</com:SchemaContactPoint>

        <com:SchemaReleaseNoteURL>http://www.wipo.int/standards/XMLSchema/PDDP/V1_0/ReleaseN
otes.pdf</com:SchemaReleaseNoteURL>
      </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:PriorityDocumentBag"/>
      <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: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:IPOfficeCode"/>
      <xsd:choice>
        <xsd:element ref="com:ST13ApplicationNumber"/>
        <xsd:element ref="com:ApplicationNumberText"/>
      </xsd:choice>
    </xsd:sequence>
  </xsd:complexType>
</xsd:schema>
```

```

<xsd:element name="PriorityDocumentBag" type="pde:PriorityDocumentBagType">
  <xsd:annotation>
    <xsd:documentation>A collection of mandatory priority document
artifacts</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:complexType name="PriorityDocumentBagType">
  <xsd:sequence>
    <xsd:element ref="pde:PriorityDocument" maxOccurs="unbounded"/>
  </xsd:sequence>
  <xsd:attribute ref="com:id"/>
</xsd:complexType>
<xsd:complexType name="SupplementaryDocumentBagType">
  <xsd:sequence>
    <xsd:element ref="pde:SupplementaryDocument" 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="SupplementaryDocument" type="pde:SupplementaryDocumentType">
  <xsd:annotation>
    <xsd:documentation>Supplementary artifact of priority
document</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="PriorityDocument" type="pde:PriorityDocumentType">
  <xsd:annotation>
    <xsd:documentation>Priority document for exchange</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:complexType name="PriorityDocumentType">
  <xsd:sequence>
    <xsd:element ref="com:DocumentName"/>
    <xsd:element ref="com:FileName"/>
    <xsd:element ref="com:DocumentLocationURI"/>
    <xsd:element ref="pde:DocumentAsFiledIndicator" minOccurs="0"/>
    <xsd:element ref="pde:DocumentFormatCategory" minOccurs="0"/>
    <xsd:element ref="pde:PatentMandatoryDocumentCategory"/>
    <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="DocumentAsFiledIndicator" type="xsd:boolean">
  <xsd:annotation>
    <xsd:documentation>Indicates whether a document consists of the exact
files originally filed by the applicant in an electronic filing</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:complexType name="SupplementaryDocumentType">
  <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:DocumentAsFiledIndicator" minOccurs="0"/>

```

```

<xsd:element ref="pde:DocumentFormatCategory" minOccurs="0"/>

<xsd:element ref="pde:PatentSupplementaryDocumentCategory"/>
<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</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:restriction>
</xsd:simpleType>
<xsd:element name="PatentMandatoryDocumentCategory"
type="pde:PatentMandatoryDocumentCategoryType">
  <xsd:annotation>
    <xsd:documentation>A category of the required patent priority document
artifact</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:simpleType name="PatentMandatoryDocumentCategoryType">
  <xsd:restriction base="xsd:token">
    <xsd:enumeration value="Certification page">
      <xsd:annotation>
        <xsd:documentation>The certification issued by the
authority and shows the date of filing</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Priority document PDF">
      <xsd:annotation>
        <xsd:documentation>Priority document
PDF</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Sequence listing">
      <xsd:annotation>
        <xsd:documentation>Sequence listing</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
  </xsd:restriction>
</xsd:simpleType>
<xsd:element name="PatentSupplementaryDocumentCategory"
type="pde:PatentSupplementaryDocumentCategoryType">
  <xsd:annotation>
    <xsd:documentation>A category of the additional patent priority
document artifact, such as the application body of a patent application</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:simpleType name="PatentSupplementaryDocumentCategoryType">
  <xsd:restriction base="xsd:token">
    <xsd:enumeration value="Abstract">
      <xsd:annotation>

```

```

        <xsd:documentation>Abstract</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Application body">
      <xsd:annotation>
        <xsd:documentation>Application body</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Bibliographic data">
      <xsd:annotation>
        <xsd:documentation>Bibliographic
data</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Description">
      <xsd:annotation>
        <xsd:documentation>Description</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Claims">
      <xsd:annotation>
        <xsd:documentation>Claims</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Drawings">
      <xsd:annotation>
        <xsd:documentation>Drawings</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Classification data">
      <xsd:annotation>
        <xsd:documentation>Classification
data</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Preconversion document">
      <xsd:annotation>
        <xsd:documentation>Preconversion
document</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Sequence listing">
      <xsd:annotation>
        <xsd:documentation>Sequence listing</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
  </xsd:restriction>
</xsd:simpleType>
<xsd:element name="ApplicationFilingDate" type="com:DateType">
  <xsd:annotation>
    <xsd:documentation>The filing date of the
application</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="DocumentFormatCategory" type="pde:DocumentFormatCategoryType">
  <xsd:annotation>
    <xsd:documentation>Category of the document file format, e. g. HTML,
PDF</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:simpleType name="DocumentFormatCategoryType">
  <xsd:restriction base="xsd:token">
    <xsd:enumeration value="MS Word">
      <xsd:annotation>
        <xsd:documentation>MS Word</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="MS Excel">
      <xsd:annotation>
        <xsd:documentation>MS Excel</xsd:documentation>
      </xsd:annotation>
    </xsd:enumeration>
  </xsd:restriction>

```



```

        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="XML">
        <xsd:annotation>
            <xsd:documentation>XML</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Text">
        <xsd:annotation>
            <xsd:documentation>Text</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="EPS">
        <xsd:annotation>
            <xsd:documentation>EPS</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="PDF">
        <xsd:annotation>
            <xsd:documentation>PDF</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="JPEG">
        <xsd:annotation>
            <xsd:documentation>JPEG</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="PNG">
        <xsd:annotation>
            <xsd:documentation>PNG</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="TIFF">
        <xsd:annotation>
            <xsd:documentation>TIFF</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="SVG">
        <xsd:annotation>
            <xsd:documentation>Scalable vector graphics
image</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="HTML">
        <xsd:annotation>
            <xsd:documentation>HTML</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="CDX">
        <xsd:annotation>
            <xsd:documentation>CambridgeSoft proprietary ChemDraw
file format</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="MOL">
        <xsd:annotation>
            <xsd:documentation>File format for holding information
about the atoms, bonds, connectivity and coordinates of a molecule</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="NB">
        <xsd:annotation>
            <xsd:documentation>File format for mathematica
notebooks</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="ZIP">
        <xsd:annotation>
            <xsd:documentation>ZIP</xsd:documentation>
        </xsd:annotation>
    </xsd:enumeration>

```

```
        </xsd:enumeration>  
    </xsd:restriction>  
</xsd:simpleType>  
</xsd:schema>
```

[Appendix to Annex I of draft standard follows]

APPENDIX TO ANNEX I - EXAMPLE XML INSTANCE FOR PDDP INDEX FILE

The example XML for the PDDP Index file, this Appendix, can be downloaded here (the contents of which is included below): *[Note: See Annex III to document CWS/12/15. URL will be provided once the proposed standard is adopted.]*

```
<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>59111111</com:ApplicationNumberText>
  </pde:ApplicationNumber>
  <pde:ApplicationFilingDate>2022-07-19</pde:ApplicationFilingDate>
  <pde:PriorityDocumentBag>
    <pde:PriorityDocument>
      <com:DocumentName>Priority Document PDF</com:DocumentName>
      <com:FileName>US_59111111_20220719_PriorityDocument_000497.pdf</com:FileName>
      <com:DocumentLocationURI>MandatoryArtifacts/</com:DocumentLocationURI>
      <pde:DocumentAsFiledIndicator>true</pde:DocumentAsFiledIndicator>
      <pde:DocumentFormatCategory>PDF</pde:DocumentFormatCategory>
      <pde:PatentMandatoryDocumentCategory>Priority document
PDF</pde:PatentMandatoryDocumentCategory>
      <com:DocumentDate>2024-06-20</com:DocumentDate>
      <com:PageTotalQuantity>6</com:PageTotalQuantity>
    </pde:PriorityDocument>
    <pde:PriorityDocument>
      <com:DocumentName>Sequence Listing</com:DocumentName>
      <com:FileName>US_59111111_20220719_SequenceListing_ST26.xml</com:FileName>
      <com:DocumentLocationURI>MandatoryArtifacts/</com:DocumentLocationURI>
      <pde:DocumentAsFiledIndicator>true</pde:DocumentAsFiledIndicator>
      <pde:DocumentFormatCategory>XML</pde:DocumentFormatCategory>
      <pde:PatentMandatoryDocumentCategory>Sequence
listing</pde:PatentMandatoryDocumentCategory>
      <com:DocumentDate>2022-07-19</com:DocumentDate>
    </pde:PriorityDocument>
  </pde:PriorityDocumentBag>
  <pde:SupplementaryDocumentBag>
    <pde:SupplementaryDocument>
      <com:DocumentName>ApplicationBody</com:DocumentName>
      <com:FileName>US_59111111_20220719_ApplicationBody.xml</com:FileName>
      <com:DocumentLocationURI>SupplementaryArtifacts/</com:DocumentLocationURI>
      <pde:DocumentFormatCategory>XML</pde:DocumentFormatCategory>
      <pde:PatentSupplementaryDocumentCategory>Application
body</pde:PatentSupplementaryDocumentCategory>
    </pde:SupplementaryDocument>
    <pde:SupplementaryDocument>
      <com:DocumentName>Abstract</com:DocumentName>
      <com:FileName>US_59111111_20220719_Abstract.xml</com:FileName>
      <com:DocumentLocationURI>SupplementaryArtifacts/</com:DocumentLocationURI>
      <pde:DocumentFormatCategory>XML</pde:DocumentFormatCategory>
      <pde:PatentSupplementaryDocumentCategory>Abstract</pde:PatentSupplementaryDocumentCate
gory>
    </pde:SupplementaryDocument>
  </pde:SupplementaryDocumentBag>
</pde:PriorityDocumentIndex>
```

```
<com:DocumentName>Description</com:DocumentName>
<com:FileNameBag>
  <com:FileName>US_59111111_20220719_Description.xml</com:FileName>
  <com:FileName>US_59111111_20220719_Description_00001.tif</com:FileName>
  <com:FileName>US_59111111_20220719_Description_00002.tif</com:FileName>
</com:FileNameBag>
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[Annex II of the draft standard follows]

ANNEX II - PRIORITY DOCUMENT DATA PACKAGE STRUCTURE EXAMPLES

Version 1.0

*Proposal presented by the Digital Transformation Task Force for consideration and adoption by the Committee on WIPO Standards (CWS) at its twelfth session*

Annex II provides fictitious examples of the contents of priority document data packages in table and tree structure formats.

*Patent Priority Document Data Package Example*

Table format

Provided below is a fictitious example of a PDDP ZIP file, in table format, for Patent\_US\_59111111\_20220719.zip, which describes the package structure including the files and folders which are included within the ZIP file.

| File/Folder Name                 | File Name  | Comment:  |
|----------------------------------|--|---|
| <b>PriorityDocumentIndex.xml</b> |  | PDDP Index file   |
|                                  | US_59111111_20220719_PriorityDocument_000497.pdf   | Priority Document PDF (includes the certification page, and will typically include the description, claims, abstract and drawings of the application) |
| <b>/MandatoryArtifacts</b>       |  |   |
|                                  | US_59111111_20220719_SequenceListing_ST26.xml or US_59111111_20220719_SequenceListing_ST26.zip | Sequence listing compliant with WIPO ST.26 (see PDDP Index File section of this standard)   |
| <b>/SupplementaryArtifacts</b>   | US_59111111_20220719_ApplicationBody.xml   | Application body and other related artifacts including the drawings referenced by the specification, bibliographic and classification data            |
|                                  | US_59111111_20220719_Abstract.xml  |   |
|                                  | US_59111111_20220719_Claims.xml  |   |
|                                  | US_59111111_20220719_BibliographicData.xml   |   |
|                                  | US_59111111_20220719_ClassificationData.xml  |   |
|                                  | US_59111111_20220719_Drawings_0001.tif   | Drawing sheet   |
|                                  | US_59111111_20220719_Drawings_0002.tif   | Drawing sheet   |
|                                  | US_59111111_20220719_Claims.docx   | Claims in DOCX format   |
|                                  | US_59111111_20220719_Description.docx  | Description in DOCX format  |
|                                  | <b>/US_59111111_20220719_Description</b>   | Subfolder   |
|                                  | US_59111111_20220719_Description.xml   | Description document  |
|                                  | US_59111111_20220719_Description_0001.tif  | Images referenced by the XML documents (e.g., chemical formula, mathematical formula, figures, tables, etc.) in this case the Description XML         |
|                                  | US_59111111_20220719_Description_0002.tif  | Images referenced by the XML documents (e.g., chemical formula, mathematical formula, figures, tables, etc.) in this case the Description XML         |

Tree structure format

The following tree structure is an alternative representation of the PDDP ZIP file presented in the Table shown above in Annex II.

```
| -Patent_US_59111111_20220719.zip
|   | PriorityDocumentIndex.xml //sample index XML file
|   |---MandatoryArtifacts
|   | |
|   | | US_59111111_20220719_PriorityDocument_000497.pdf //main priority document in PDF format
|   | | US_59111111_20220719_SequenceListing_ST26.xml //sample WIPO ST. 26 sequence listing
|   | | or
|   | | US_59111111_20220719_SequenceListing_ST26.zip //sample WIPO ST. 26 sequence listing
|   |---SupplementaryArtifacts
|   | |
|   | | US_59111111_20220719_ApplicationBody.xml //sample application body in XML
|   | | US_59111111_20220719_Abstract.xml //sample abstract in XML
|   | | US_59111111_20220719_Claims.xml //sample claims in XML
|   | | US_59111111_20220719_BibliographicData.xml //sample bibliographic data in XML
|   | | US_59111111_20220719_ClassificationData.xml //sample classification data in XML
|   | | US_59111111_20220719_Claims.docx //sample claims in DOCX
|   | | US_59111111_20220719_Description.docx //sample description in DOCX
|   | | US_59111111_20220719_Drawings_0001.tif //sample drawing sheet
|   | | US_59111111_20220719_Drawings_0002.tif //sample drawing sheet
|   | |---US_59111111_20220719_Description
|   | | | US_59111111_20220719_Description.xml //sample description in XML
|   | | | US_59111111_20220719_Description_00001.tif //sample image in TIFF referenced by Description XML Document
|   | | |---US_59111111_20220719_Description_00002.tif //sample image in TIFF referenced by Description XML Document
```

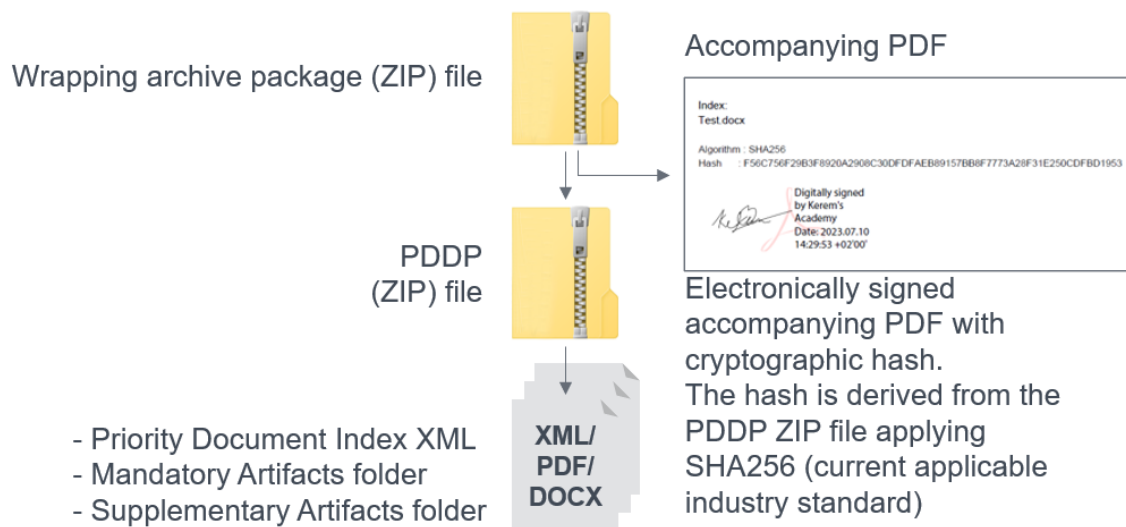
[Annex III of the draft standard follows]

## ANNEX III - EXAMPLE OF HASHING OF PRIORITY DOCUMENT DATA PACKAGES SENT DIRECTLY TO APPLICANTS

Version 1.0

*Proposal presented by the Digital Transformation Task Force for consideration and adoption by the Committee on WIPO Standards (CWS) at its twelfth session*

1. This Annex outlines one example of hashing of the PDDP ZIP file when a providing Office sends the PDDP ZIP file directly to an applicant. This example is non-limiting and provided as one option.
2. It is essential, for both applicants and Offices to ensure that the priority documents transmitted by the providing Office are identical to the documents received by the recipient Office. To ensure the integrity and non-repudiation of the PDDP ZIP file, an accompanying PDF file is created by the providing Office. The accompanying PDF file contains a cryptographic hash of the PDDP ZIP file together with an indication of the algorithm used. In addition, this PDF is electronically signed by the providing Office thereby certifying the integrity of the PDDP ZIP file's content and structure. This enables the receiving Office to check the integrity of the PDDP ZIP file after receipt from the applicant and at any later date. It is the most recommended way to verify the hash value by the recipient Office to prove that the package generated by the providing Office is the authentic and untampered version and to ensure there was no data loss. The cryptographic hash should be generated using a cryptographic hash function which is a widely adopted, de facto industry standard hash algorithm. At present this is SHA-256.
3. To ensure the sending of one single file to the applicant the providing Office creates a wrapping archive package ZIP file that includes the PDDP ZIP file together with the afore described accompanying PDF.



[End of the Annexes and of Standard]

[Annex II follows]