

## **Committee on WIPO Standards (CWS)**

**Eleventh Session**  
**Geneva, December 4 to 8, 2023**

### **PROPOSAL FOR A NEW WIPO STANDARD ON THE DATA PACKAGE FORMAT FOR THE ELECTRONIC EXCHANGE OF PRIORITY DOCUMENTS AND CERTIFIED COPIES**

*Document prepared by the Digital Transformation Task Force Leader*

#### **SUMMARY**

1. The Digital Transformation Task Force presents a final draft for a new WIPO standard on a certified priority document digital package, for consideration and adoption at the eleventh session of the Committee on WIPO Standards (CWS).

#### **BACKGROUND**

2. At its tenth session, the CWS approved the addition of Task No. 65, which was proposed after the Patent Cooperation Treaty (PCT) Working Group, at its fifteenth session, recommending that the CWS develop a new WIPO standard to enable the transmission of sequence listings in WIPO Standard ST.26 format, as part of priority documents and certified copies. This Task was assigned to the Digital Transformation Task Force and the description of the Task reads as follows:

*“To prepare a proposal for recommendations on the data package format for the electronic exchange of priority documents and certified copies for patents, marks and industrial designs.”*

3. The Digital Transformation Task Force in undertaking this Task has met online and conducted discussions on the Task Force wiki space. Further details on these Task Force preparatory activities are available in document CWS/11/11.

## PROPOSAL FOR A NEW STANDARD

4. Intellectual Property Offices (IPOs) are currently looking for a means to transmit priority documents which include a sequence listing in the WIPO Standard ST.26 XML format, when requested, in its original format. Several solutions have been found since WIPO ST.26 came into force, including the use of stylesheets to produce a human-readable version, in PDF, of the XML document.

5. The proposed draft Standard, which is reproduced as the Annex to the present document, recommends a data package format for the electronic exchange of priority documents, but purposefully leaves out details regarding the means of transmission of the data package.

### Objectives

6. This Standard aims to provide recommendations on the data package format for the electronic exchange of certified priority documents and other related documents according to:

- Article 4D (3) of the Paris Convention for the Protection of Industrial Property which 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; and
- The agreed understanding by the Assemblies of the Paris Union and the PCT Union in 2004<sup>1</sup> which indicates inter alia 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.

7. This proposed Standard is intended to define the package format and structure, which contents are mandatory for the package, and the naming conventions for files included in the package. The main objectives of this Standard are to:

- Allow the efficient standardized exchange of certified priority documents and other related documents related to patent, trademark and industrial design applications;
- Support machine-to-machine communication of these priority documents and enable further automated processing of those documents; and
- Improve processing of documents by exchanging structured text formats such as sequence listings included in patent documents 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.

### Scope

8. 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. Other than the components which are indicated as mandatory according to the recommendations, the certifying Office determines what is to be included within this data package.

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

9. The proposed Standard is structured as follows:
- Main Body: defines the data package structure and naming conventions;
  - Annex I: provides a mock-up of a sample priority document data package in table format and in the Appendix to Annex I, the same information in tree structure format; and
  - Annex II: provides the XML Schema Definition for the Priority Index file and in the Appendix to Annex II, an example XML instance.

10. The following name for the new WIPO Standard is proposed:

“WIPO Standard ST.92 - Recommendations on the data package format for the electronic exchange of priority documents and certified copies”

#### IMPLEMENTATION OF THE NEW WIPO STANDARD

11. Once the CWS adopts the proposed new WIPO standard, IPOs should consider the implementation of the Standard. The Task Force Leader and the International Bureau propose an incremental approach with a ‘sunset period’ by the end of 2025, allowing each IPO to complete implementation of the new Standard at its own pace. From the January 1, 2026, it is proposed that an IPO accept and provide priority documents only compliant with this Standard.

12. With regard to the implementation of the Standard within WIPO Digital Access Service (DAS), the International Bureau plans to accept and provide priority documents compliant with the new Standard from July 1, 2024, in parallel with the current format, but complete its transition by the end of 2025. From the January 1, 2026, WIPO DAS plans to accept and provide priority documents only compliant with this Standard considering the ‘sunset period’ suggested in paragraph 11 above. Further technical details on the implementation of the proposed Standard in WIPO DAS should be discussed separately among the WIPO DAS participating IPOs.

#### PROPOSAL FOR THE REVISION OF TASK NO. 65

13. Once the proposed new Standard on certified priority document data package has been adopted by the CWS, Task No. 65 should be considered complete, and the Digital Transformation Task Force will have successfully concluded its work on this Task. In implementing the new Standard, IPOs may require some improvements to be made to WIPO Standard ST.92. Therefore, it is proposed that the description of Task No. 65 be revised as follows:

“Ensure the necessary revisions and updates of WIPO Standard ST.92 and support IP offices for their implementation of the Standard before the end of 2025”

14. *The CWS is invited to:*

*(a) note the content of this document and the Annex to the present document;*

*(b) consider and approve the name of the proposed Standard "WIPO Standard ST.92 - Recommendations on the data package format for the electronic exchange of priority documents and certified copies", as indicated in paragraph 10 above;*

*(c) consider and adopt the new WIPO Standard ST.92 as referred to in paragraphs 8 to 9 above and as reproduced in the Annex to the present document;*

*(d) consider and agree on the implementation plan as referred to in paragraphs 11 and 12 above; and*

*(e) consider and approve the revision of Task No. 65, as indicated in paragraph 13 above.*

[Annex follows]

**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 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 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.

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<sup>1</sup> 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 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.

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 application<sup>4</sup>, a sound mark in MP3 file for a trademark application<sup>5</sup> and a 3D visual representation in STEP for an industrial design application<sup>6</sup>. 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'.

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

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

<sup>4</sup> See WIPO Standard ST.26

<sup>5</sup> See WIPO Standard ST.68

<sup>6</sup> 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 format<sup>7</sup> 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.

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<sup>7</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 WIPO Standards ST.25 or ST.23.

<sup>8</sup> 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 <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.68</a>	Electronic Management of Sound Marks
WIPO Standard <a href="#">ST.88</a>	Electronic Representation of Industrial Designs
WIPO Standard <a href="#">ST.90</a>	Processing and communicating intellectual property data using Web APIs (Application programming interfaces)
WIPO Standard <a href="#">ST.91</a>	Recommendations on digital three-dimensional (3D) models and 3D images
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

[Annex I follows]

**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.
<b>\OtherCertifiedArtifacts</b>			
	US_17822338_20170331_SequenceListing_ST26.xml		Sequence listing complaint with WIPO ST.26
<b>\SupplementaryArtifacts</b>			
	<b>\XML</b>	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
	<b>\Images</b>	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.
	<b>\DOCX</b>	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
```

[Annex II follows]

## ANNEX II

### XML SCHEMA FOR PRIORITY DOCUMENT INDEX XML FILES<sup>1</sup>

*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"/>

```

---

<sup>1</sup> 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: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>
```

[Appendix to Annex II follows]

## 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>
  </pde:SupplementaryPriorityDocument>
  <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>
  </pde:SupplementaryPriorityDocument>
  <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>
  </pde:SupplementaryPriorityDocument>
  <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>
  </pde:SupplementaryPriorityDocument>
  <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>
  </pde:SupplementaryPriorityDocument>
  <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>
  </pde:SupplementaryPriorityDocument>
  <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:PriorityDocumentComponentCategory>
  </pde:SupplementaryPriorityDocument>
</pde:SupplementaryDocumentBag>
</pde:PriorityDocumentIndex>
```

[End of Annex II and of Standard]

[End of the Annex and of document]