



# XML Standardization Progress Report on WIPO ST.96 (USPTO)

March 21, 2016

CWS-Reconvened 4<sup>th</sup> session



# Patent Systems



# ST.96 V1\_0\_D5 (Current)

- Docket and Application Viewer System
  - Streamline the examination process
  - View image and text based documents
  - OCR TIFF images to XML
    - Claims Document
    - Description
    - Abstract



# Early ST.96 V2\_0 (Current)

- Public Patent Application Information Retrieval Bulk Data <https://pairbulkdata.uspto.gov/>
  - Allows public to search and download case data in XML based on a search criteria.
  - Includes bibliographic, published document
  - Download data in bulk in XML format.
- Office Action To XML
  - Converted Office Action(MS-Word 2007) to XML



# ST.96 V2\_1 (Development in progress)

- Modernize Patent eCommerce
  - New Electronic Filing System
  - Convert Patent Applications filed in MS-Word 2007 or later for Claims, Description, and Abstract to XML.
- Data for USPTO Next Gen System
  - OCR TIFF image of Claims, Specification, and Abstract documents to XML



# ST.96 Status Cont'd

- Current publication is based on ST.36
- Publication based on ST.96
  - Current focus is on supporting Examination by providing text to examiner
  - Publication based on ST.96 will be phased in at a later time.



# ST.96 V2\_0 Status Cont'd

- CPC Master Classification File
  - All utility patent grants and published applications
  - Started monthly publication in August 2015
  - Data sharing with EPO





# Trademark Systems





# Current Systems - TSDR

- Trademarks Status and Documents Retrieval (TSDR) provides a real time view of the trademark application at the USPTO.
  - The entire set of data related to the life of national and international trademark application can be obtained in ST.96.
- See  
[http://tsdr.uspto.gov/#caseNumber=79104922&caseType=SERIAL\\_NO&searchType=statusSearch](http://tsdr.uspto.gov/#caseNumber=79104922&caseType=SERIAL_NO&searchType=statusSearch)  
for an example of the presentation for an extension of a International Registration into the US.
- Currently TSDR allows present status data for download in ST.96 version 1.0 D3.
- It went into production in March 2013



# TSDR

- TSDR also presents Trademark Trial and Appeal Board **proceeding** data and documents as well Assignments (title) data
  - See <https://tsdrsec.uspto.gov/ts/cd/casestatus/sn77383001/info.xml>



# TSDR 2.2.3 (New release)

- Development is in progress and is based on WIPO ST.96 V2\_1
- Plan to use TrademarkTransaction document level schema



# TMeOG

- The Trademark Enhanced Official Gazette (TMeOG)
  - A web based application that allows simple searching and filtering of the data found in one of more issues (up to five) of the TMeOG.
  - Download in ST.96 version 1.0 D3
    - Single case
    - Multiple cases
    - Entire issue of Official Gazette
  - In production (effective Sept 24. 2013). See <http://tmog.uspto.gov>



# Future Development – ST.96 targets

- Madrid System Electronic Communications between IB and the USPTO.
- Trademark Next Generation
  - Generate XML based on ST.96 for Office Action, Notices, and others.
  - Trademark Assignment History
- Bulk data currently available at <http://www.uspto.gov/learning-and-resources/electronic-data-products/trademark-data-products>
  - Trademark Registration Multi-Page TIFF Images
  - Trademark Daily Application Image 24 Hour Box (current Calendar Year)
  - Trademark Full Text XML Frontfile and Backfile (Applications, Assignments, TTAB)



# Support to the IB

- USPTO supports the IB in designing, updating, and/or creating WIPO ST.96 Resources for every new release
  - ST.96 Annexes
    - ST.96 Annex I: XML Design Rules and Conventions
    - ST.96 Annex II: IP Data Dictionary
    - ST.96 Annex III: IP XML Schemas
    - ST.96 Annex IV: XML Schema Technical Specification
    - ST.96 Annex V: Implementation Rules and Guidelines
    - ST.96 Annex VI: Transformation Rules and Guidelines
  - ST.96 Main Body





# Cont'd Support to the IB

- Developed ST96XSDValidator
  - Now part of Annex V.
  - Uses Schematron to validate XML schema against ST.96 XML Design Rules and Conventions (Annex I of ST.96).
  - Very convenient for IPOs to validate their implementation XML schema against Standard ST.96.





# Questions?





# Thank You!