IP Information Roundtable:

Standards for IP Data/Information

Young-Woo YUN

Head, Standards Section, WIPO

Overview

■ Evolution of IP Ecosystem

■ Implication of evolution

■ Recent focus and trend

■ WIPO Standardization Activities in 2018/19

■ CWS Task Force Activities

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Evolution of IP Ecosystem

- Total IP applications around the world increased

  - 7M applications in 2004 to 21M in 2018

- IP becomes more important in digital economy

- Digitalization for massive data processing

- Personalized data and prompt service

- Machine to Machine (M2M) communications

- Disruptive technologies available

Implication of Evolution

- Digitized IP data in structued text format required

- IP data quality at source ensured

- IP digital objects connected and reused

- Interoperability enhanced

- Stanardization essential

- Collaboration indispensible

- Development and use of common tools and services

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WIPO Standards

- WIPO Standards provide a single, common framework for working with the information contained within IP data and documents

- By using WIPO Standards, IP offices around the globe can work in a more efficient, harmonious, and timely fashion

- WIPO Standards greatly simplify both international cooperation among Offices as well as helping public users of IP information to better access and make use of that information in their applications

Scope of WIPO Standards

- Semantic and Syntax Standards on IP data and documentation
- All IP domains: patent, trademarsk, industrial designs
  - Geographical indications and Copyright in 2020
- Entire IP administration: filing, processiong, publication/dissemination and post grant/registration; and exchange
  - IP management data to be improved
- Stakeholders and users: IP offices, Applicants, IP Industry and IP professionals (IP attorneys to be considered)

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Recent focus and trend

- Legal status information

- Further standardized IP digital objects

- Streamlined data flow in national and international process

- Development of common tools

- Implication of distruptive technologies

- More active participations by IP industry and IP professionals

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Who develops WIPO Standards?

- The Committee on WIPO Standards (CWS) is the collaborative international forum for discussing and reaching agreement on WIPO Standards, including their revision and development.

- 17 Task Forces (Expert Groups) are active under the CWS to enhance WIPO Standards and other materials, where IP offices and user groups nominate their experts.

  - Legal Status Task Force

  - Blockchain Task Force

  - XML4IP Task force

  - PAPI Task Force
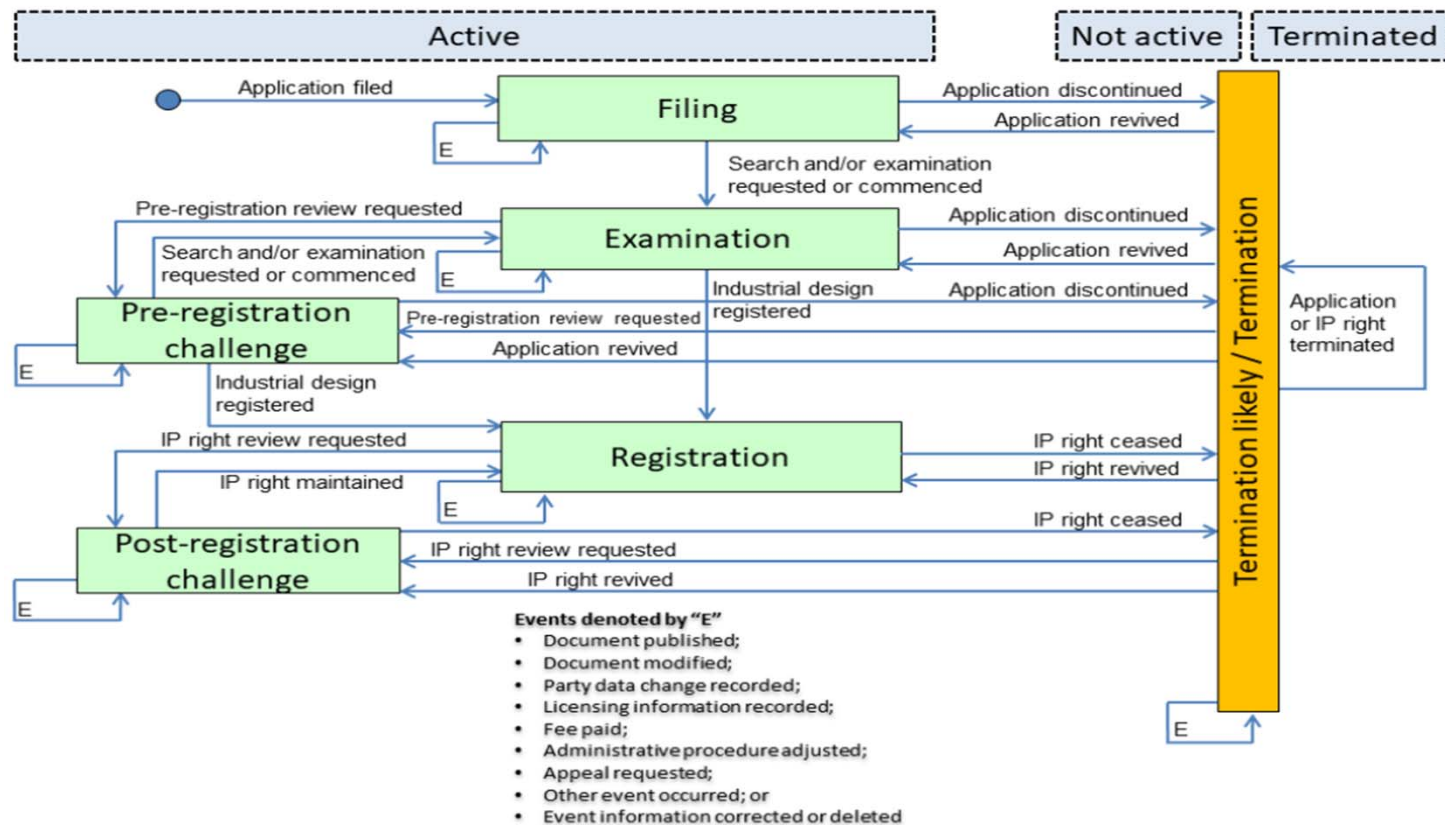
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WIPO Standardization Activities

6th and 7th Sessions of CWS in 2018/19

■ adopted the new WIPO Standard ST.87

■ revised WIPO Standards ST.3, ST.26, ST.27, ST.37 and ST.60 as well as ST.96

■ approved 3 new Surveys for publication (SPC/PTE, Name Standardization and Design representation) and 3 new questionnaires including 3D and PAPI

■ established 7 new Tasks

■ Organized two Workshops

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WIPO ST.87- Design Legal Status

■ 6 stages, 3 states, 20 Categories and Key/detailed events

WIPO ST.27 - Patent Legal Status

- 6 stages, 3 states, 21 Categories and Key events, and around 160 detaied events

- Two guidance documents approved

- Implementation of ST.27

  - Mapping tables of 12 national/regional patent legal status events to the events of WIPO Standard ST.27 published in https://www.wipo.int/standards/en/part_07.html

  - DPMA: https://www.wipo.int/edocs/mdocs/cws/en/cws_7/cws_7_item_11a.pdf

  - WIPO/IB plans to implement ST.27 in WIPO IPAS

- Patent Legal Status XML and API are under development

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WIPO ST.37- Authority File

- "Recommendation for an authority file of published patent documents"
  - to allow all interested parties to assess the completeness of the available patent documentation from the IP office that generated the authority file
  - Standard defines <u>data elements</u> to constitute an authority file of patent documents, as well as its <u>structure</u> and <u>format</u>.
- WIPO Authority File Portal (currently 20 IP offices): <u>https://www.wipo.int/standards/en/authority_file.html</u>

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WIPO ST.26 – Sequence Listing

- Presentation of nucleotide and amino acid sequence listings using XML

- From 1 Jan 2022, **all** IP Offices must implement WIPO ST.26 at national and international level

- IP Offices will also need to support applicants in their transition from ST.25

- WIPO is developing a common **WIPO Sequence tool** for applicants and IP offices around the worldwide
  - IP offices and end users participating in testing
  - The tool will be deployed in the 2nd half of 2019

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Workshop: Blockchain for IP ecosystem

- **WIPO Standards Workshop on Blockchain**
  - Explore how to leverage the technology for IP and identify business cases in IP that could potentially benefit from blockchain technology
- The outcomes of the workshop reported to the CWS/7

- Plan to prepare white papers on the potential applications of Blockchain technology to IP ecosystem and recommendations for its use in IP space

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CWS Task Force Activities

- Impact of disruptive technologies on IP administration and IP data in view of harmonization and collaboration

- Potential applications of Blockchain for IP ecosystem

- Name standardization

- Digital Transformation

- 3D objects and 3D images

- XML for GIs and Copyright orphan works

- Web API standard for M2M communications

- Trademark legal status data and Multimedia marks

- Others

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Questions and Discussions

■ Thank you for your attention!