Acknowledgement

• These slides are based on the inputs by the XML4IP Task Force members, which are still under discussion within the XML4IP Task Force.
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XML4IP Task Force

• XML4IP Task Force was created by the SDWG in 2007 to prepare:
  – Global International Common Elements (GICEs)
  – XML Schemas / DTDs
• 40 members from 21 IPOs
• Discussion via the Wiki eForum
  – [https://www3.wipo.int/confluence/display/xml4iptf/Home](https://www3.wipo.int/confluence/display/xml4iptf/Home)
• Documents and proposals discussed by the Task Force are available on the WIPO’s website at:
Activities by the XML4IP TF
- Ongoing Discussions -

• Objectives of XML4IP
• Scope of XML4IP
• Structure of XML4IP
• Design Rules and Conventions
• International Common Elements and Types: Core Schema Components
• Compatibility Forms with ST.36, ST.66, ST.86 (planned)
Objectives of XML4IP

• Harmonization between three IP types

• Interoperability of data exchange among IPOs

• Compatibility with WIPO Standards ST.36, ST.66 and ST.86

• Detailed implementation guide
Harmonization: Issue and Desire

Independent Sub-Systems

Integrated system using common G-ICEs

A National Patent Office

Integrated DB

Integrated System

Trademark

Design

Patent

Integrated New Schema

Parameter For Patent

Parameter For Design

Parameter For TM

ST.36 Document
ST.66 Document
ST.86 Document

ST.36 Style DB
Style

Trademark Sub-System

ST.66 Style DB

ST.86 Style DB

Design Sub-System

Design UI

Trademark UI

Patent UI

Parameter For Patent

Parameter For Design

Parameter For TM

Objectives of XML4IP
Objectives of XML4IP

Harmonization: Provisional Solution

G-ICEs Candidates
- Applicant
- Agent
- Name
- Address
- Signatory
- Payment
- ...

P-ICEs
International Common elements for Patent

D-ICEs
International Common elements for design

T-ICEs
International Common elements for trademark

G-ICEs
International Common Elements for patent, trademark and design

PCT Annex F DTDs

XML4IP Design only

XML4IP Patent only

XML4IP Trademark only
Objectives of XML4IP

Interoperability: Issue

Information exchange between multiple countries

Country A

Shared components complying with XML4IP can be used without conversion.

XML4IP Domestic Application/Notification

XML4IP International Application

Shared Component X

Shared Component Y

Proprietary Component α

Proprietary Component β

Applicant

IP Office

Country B

Partial sharing of components

XML4IP International Application

Shared Component X

Shared Component Y

Proprietary Component γ

Proprietary Component δ

IP Office

Interoperability:

Issue

Objectives of XML4IP
Interoperability: one of possible solutions

Objectives of XML4IP
Compatibility with existing Standards

- XML4IP aims at superseding WIPO Standards ST.36, ST.66 and ST.86
- A number of IPOs have adopted WIPO Standards ST.36, ST.66 and ST.86 extensively in their operations.
- Many IP information providers also use the existing WIPO Standards in their production.
- IPOs and other IP information users wish to achieve a degree of compatibility between XML4IP and the existing WIPO.
- Solution for the compatibility (compatibility form) to be provided
Implementation: Issue

- IPOs have difficulties to implement WIPO XML Standards, i.e., ST.36, ST.66, ST.86
  - There is no implementation guideline in the Standards
- Implementation of WIPO XML Standards in one IPO is different from the other IPOs’ implementation.
  - Flexibility increases diversity of implementation and complexity of data exchange
Implementation: Provisional Solution

- Provide the detail implementation guideline with concrete examples
- Use Core Schema Components (International Common Elements: ICEs) as much as possible
Challenges

• Different data structure between ST.36 and ST.66/ST.86 (Harmonization)
• Diverse business rules according to national regulations (Interoperability)
• Conversion of huge amount of legacy data
• Investment for implementation of new Standard, i.e., XML4IP
Benefits of XML4IP

- Lower operation expenses with integrated system
- Efficient data processing by increasing harmonization
- Effective data exchange by enhancing interoperability
- Reduce cost for implementation and data handling by increasing reusability of core schema components
Activities by the IB

- Leading the XML4IP Task Force
- Setup the Wiki Confluence to facilitate the eForum discussion
- Established the WIPO Internal XML Task Force:
  - to participate in the preparation of proposals on XML4IP
  - to coordinate positions and decisions among different WIPO internal units regarding XML technology
  - to study the impact and resources required for the implementation of the new standard
Tentative Schedule for XML4IP

- **October 2009 (SDWG/11):**
  - the XML4IP TF to review the scope and structure of XML4IP
  - the XML4IP TF to review a draft XML4IP Design Rules and Conventions

- **In 2010, at the 1st session of the Committee on WIPO Standards (CWS):**
  - the XML4IP TF to present a whole set of draft proposal of XML4IP for comments from the CWS

- **In 2011, at the 2nd session of CWS:**
  - the XML4IP TF to propose a final draft of XML4IP for consideration by the CWS
Thanks for your attention

Q & A

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