



**IP5 Working Group 2:  
The 3rd Global Dossier Task Force Meeting  
~XML based documents~**

**Global Intellectual Property Academy  
United States Patent & Trademark Office  
Alexandria, Virginia, USA  
February 3-4, 2016**



## CURRENT STATUS

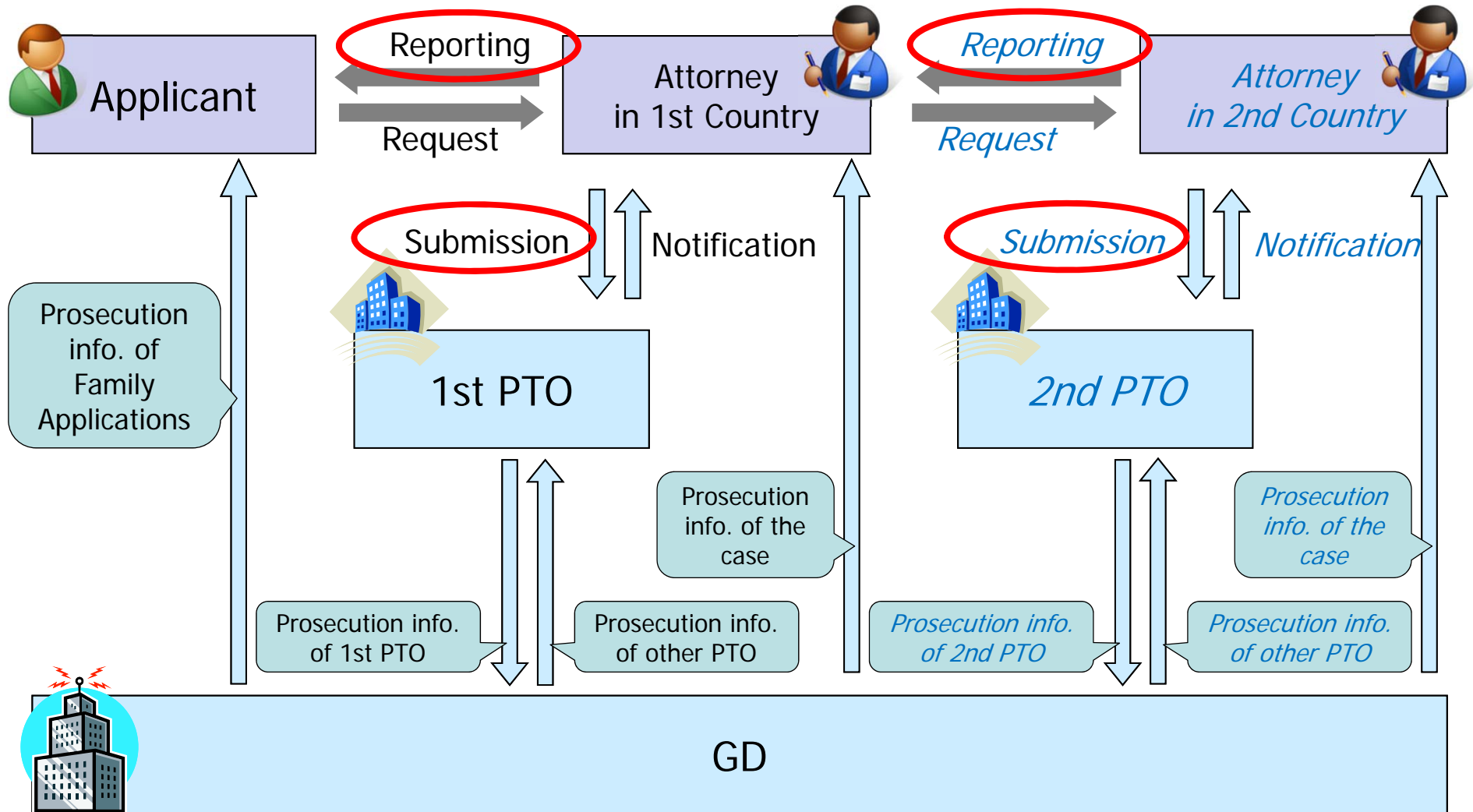
### **GDTF's Five(5) priorities:**

- **Alerting (EPO)**
- **XML based documents (JPO)**
- **Applicants Name standardization (KIPO)**
- **Legal Status (SIPO)**
- **Proof of Concept: Applicant Initiated Inter-Office Document Exchange (USPTO)**

**JIPA analyzed JPO's XML documents, and knew the tag structure, etc. JIPA would like to analyze tag structures used in the remaining IP5 in order for us to see the difference among them.**



# Workloads and Costs





# Rough Estimation

## 1st County

Process	Total Number of Cases	Working Time (Hours)	Costs (US\$)
<i>Filing</i>	233,411	0.50	11.67 M
<i>Request for Examination</i>	186,729	0.25	4.67 M
<i>Office Action</i>	263,786	0.25	6.59 M
<i>Registration</i>	175,857	0.25	4.39 M
<b>Total:</b>			<b>27.32 M</b>

Filing: Numbers of published applications in 2015.  
 Request for Examination: 80% of the filing numbers.  
 IDS: 2 times of numbers of published applications in 2015.  
 Office Action: 1.5 times of numbers of Registration.  
 Registration: Numbers of Issued Patents in 2015.  
 Hourly Rate: 100US \$/hour.

## 2nd County

Process	Total Number of Cases	Working Time (Hours)	Costs (US\$)
<i>Filing</i>	382,481	1.0	38.25 M
<i>Office Action</i>	488,970	0.5	24.45 M
<i>Registration</i>	325,980	0.5	16.30 M
<b>Total</b>			<b>79.0 M</b>

Working Time: 2 times of the Working Time in the 1st Country in light of 1st and 2nd Countries..

<i>IDS</i>	573,721	5.0	286.9 M
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## IP5 (incl. WIPO)

$$\begin{aligned}
 & \text{Total (JP + Other Offices + IDS):} \\
 & 27.32 + (79.0 \times 5 \text{ offices}) \times 0.4 + 286.9 \\
 & = 472.22M !
 \end{aligned}$$

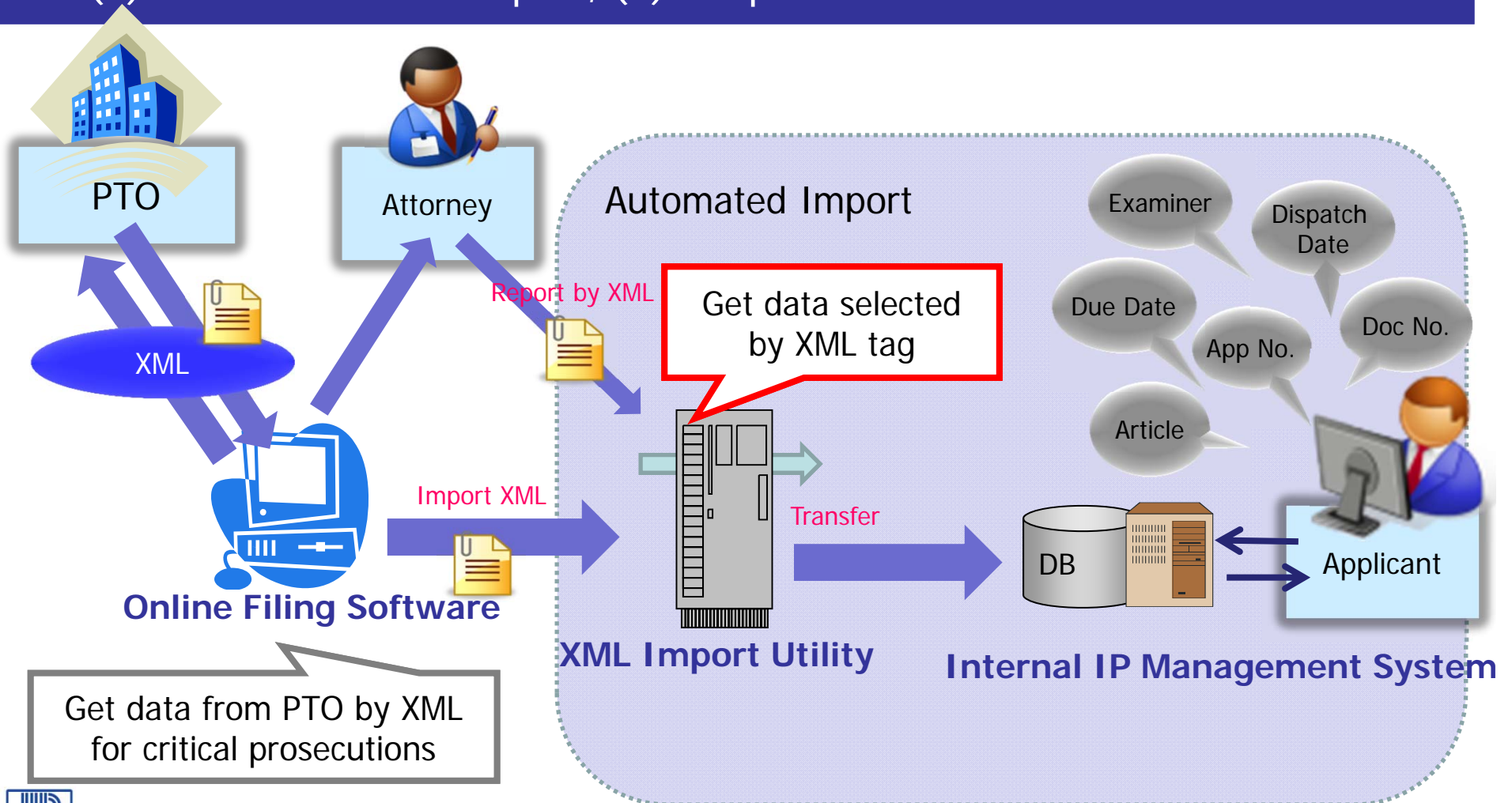
"0.4": Foreign Applicant Rate





# XML Data Interchange Use Case

Importing XML information into internal IP management system can  
(1) Decrease cost to input , (2) Keep information recent and accurate





# PROPOSAL for XML Implementation

## XML Advantages are:

Extendibility	Usability
Flexible Information Enhancement	Machine and Human Readable

## PROPOSALS are:

Prioritize Documents and Implement Step by Step	Standardize Tag to be Read Easily by Machine and Human
1. Alive/Dead Related Documents (e.g. Office Action)	1. Date Format by ISO8601 YYYY-MM-DD (e.g. 2016-02-02)
2. Bibliographic Information	2. Same Tag Name with Non-abbreviated English
3. Cited Documents	3. Nested Structure for Multiple Items (e.g. Applied Articles)







# Tag Standardization

## *Usability: Machine and Human Readable*

*Standardize Tag to be Read Easily by Machine and Human*

**Possible to understand the contents by XML even if we can't read the document written in foreign language.**

**1. *Date Format by ISO8601  
YYYY-MM-DD (e.g. 2016-02-02)***

**Need to use same format for all prosecutions in IP5 to prevent users from misunderstandings.**

**2. *Same Tag Name with Non-abbreviated English***

**Need to understand correctly by both machine and human regardless of countries.**

**3. *Nested Structure for Multiple Items (e.g. Applied Articles)***

**Need to import correctly into internal IP management system.**





# Document Priority

## *Extendibility: Flexible Information Enhancement*

*Prioritize Documents and Implement Step by Step*

Ability to include the same items in one file with different tags makes it easy to enhance.

*1. Alive/Dead Related Documents (e.g. Office Action)*

Most important and critical. It is better to include annuity payment due because it is critical too.

*2. Bibliographic Information*

Easy to be standardized because it is just a fact and makes no difference by the difference of law.

*3. Cited Documents*

Possible to populate information into fillable PDF forms of USPTO.







# PROPOSAL for Implementation Step

## 1. Application Submission System

- No Need to consider security independently
- Not so difficult of adding XML files as output

## 2. Public Document Information Sharing

- Not so difficult of adding XML files
- It would be for third party, not for applicants  
=> Priority may be relatively low

## 3. Input and Output through GD

- Easy to develop because of one data source
- Possibility to make real-time data interchange





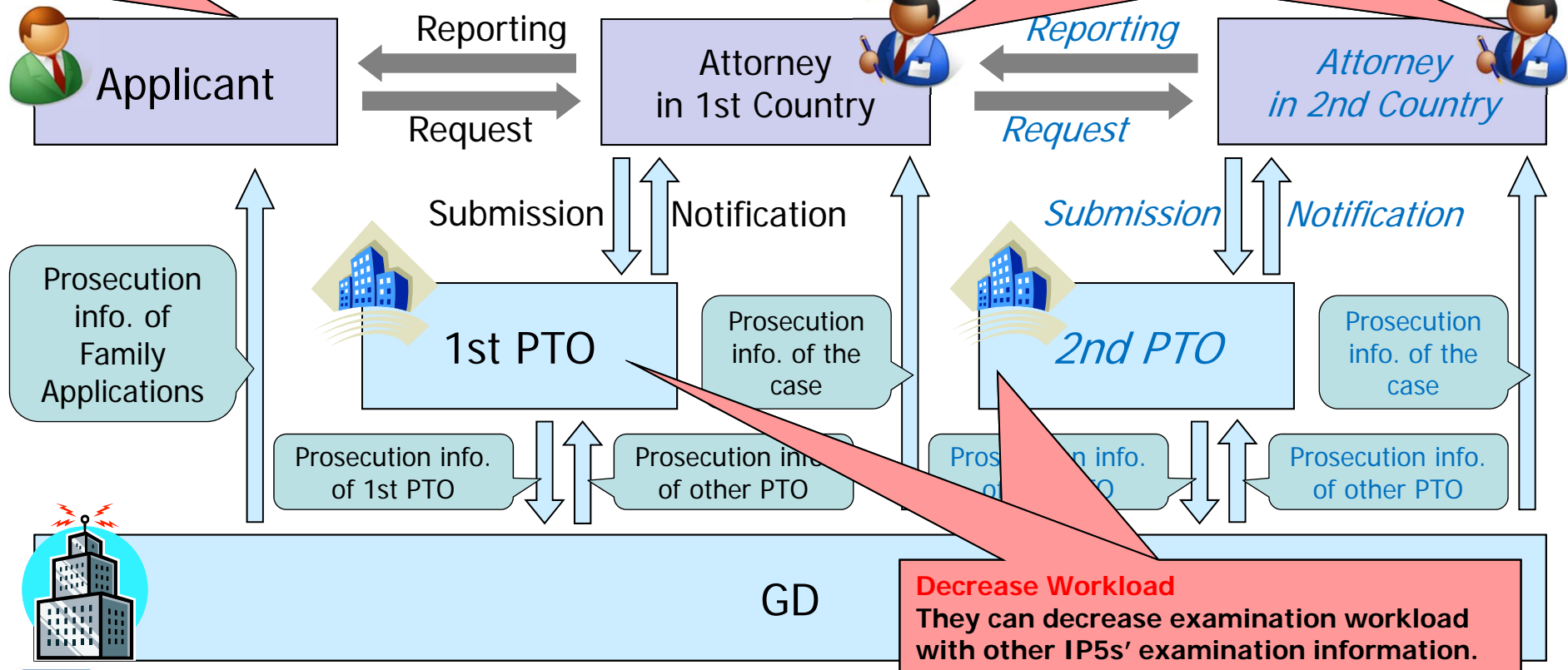
# IDEAL FORM

Every combination of all stakeholders build Win-Win relationship by XML data interchange

**Decrease Management Cost**  
Importing XML data into internal system can decrease IP management cost.

We can make more applications with this decreased cost.

**High-Value Added Service**  
They can shift their effort to do excellent prosecution.





**Thank you for your attention.**