

# IT-related Cooperation Projects among IP5 Offices and Possible Expansion to the Region

**Matsuo Nonaka**

Director for International Affairs

IT Planning Office, JPO

## fiveIPoffices

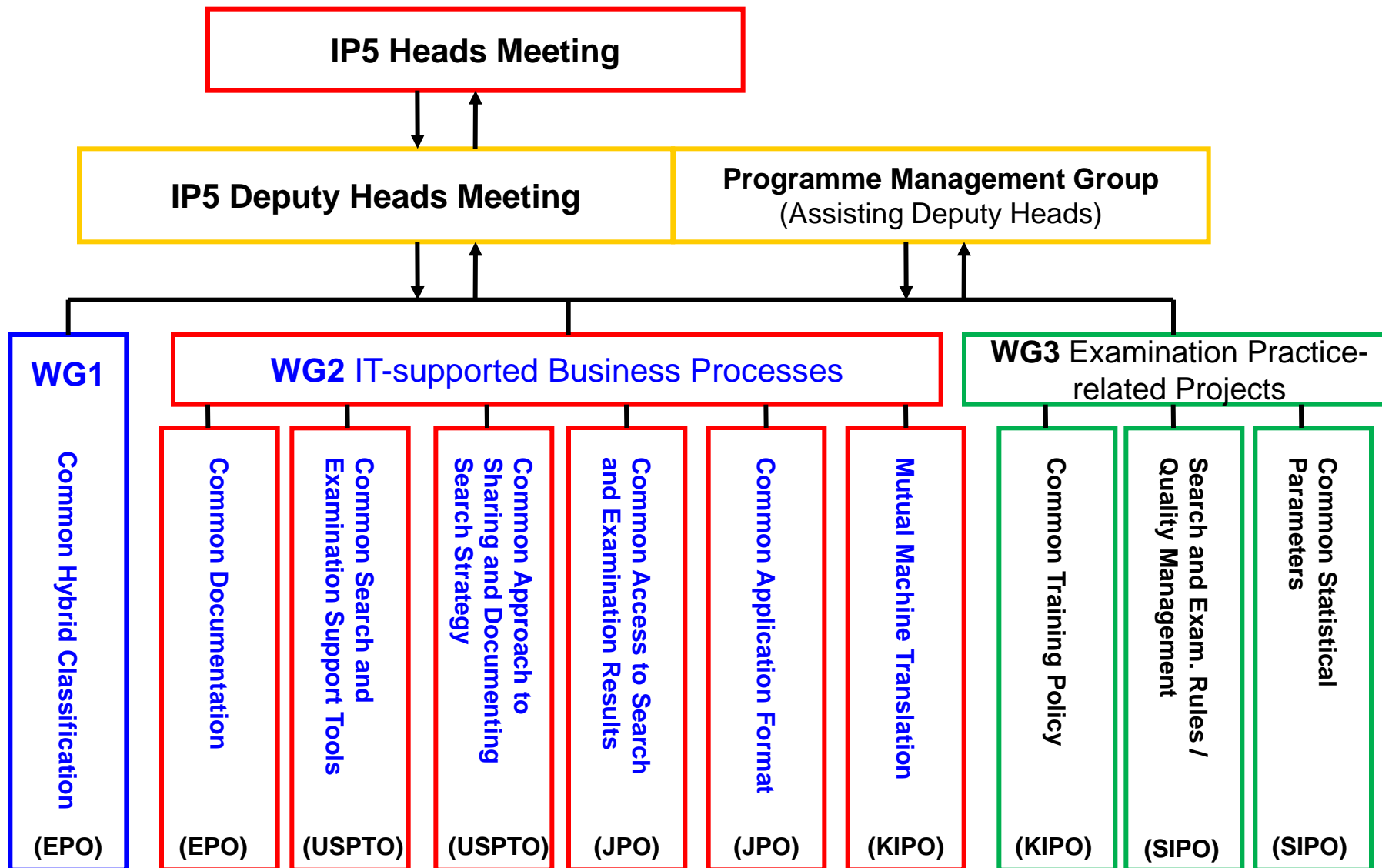
European Patent Office /// Japan Patent Office ///  
Korean Intellectual Property Office /// State Intellectual  
Property Office of the People's Republic of China ///  
United States Patent and Trademark Office

- **May 2007**    **1<sup>st</sup> IP5 Heads Meeting**
- **Oct 2008**    **2<sup>nd</sup> IP5 Heads Meeting**
  - Agreed to implement 10 Foundation Projects (FPs) to facilitate work sharing

### **Work sharing vision:**

*"The elimination of unnecessary duplication of work among the offices, enhancement of patent examination efficiency and quality, and guarantee of the stability of patent right".*

# Organization of IP5 Meeting and FPs



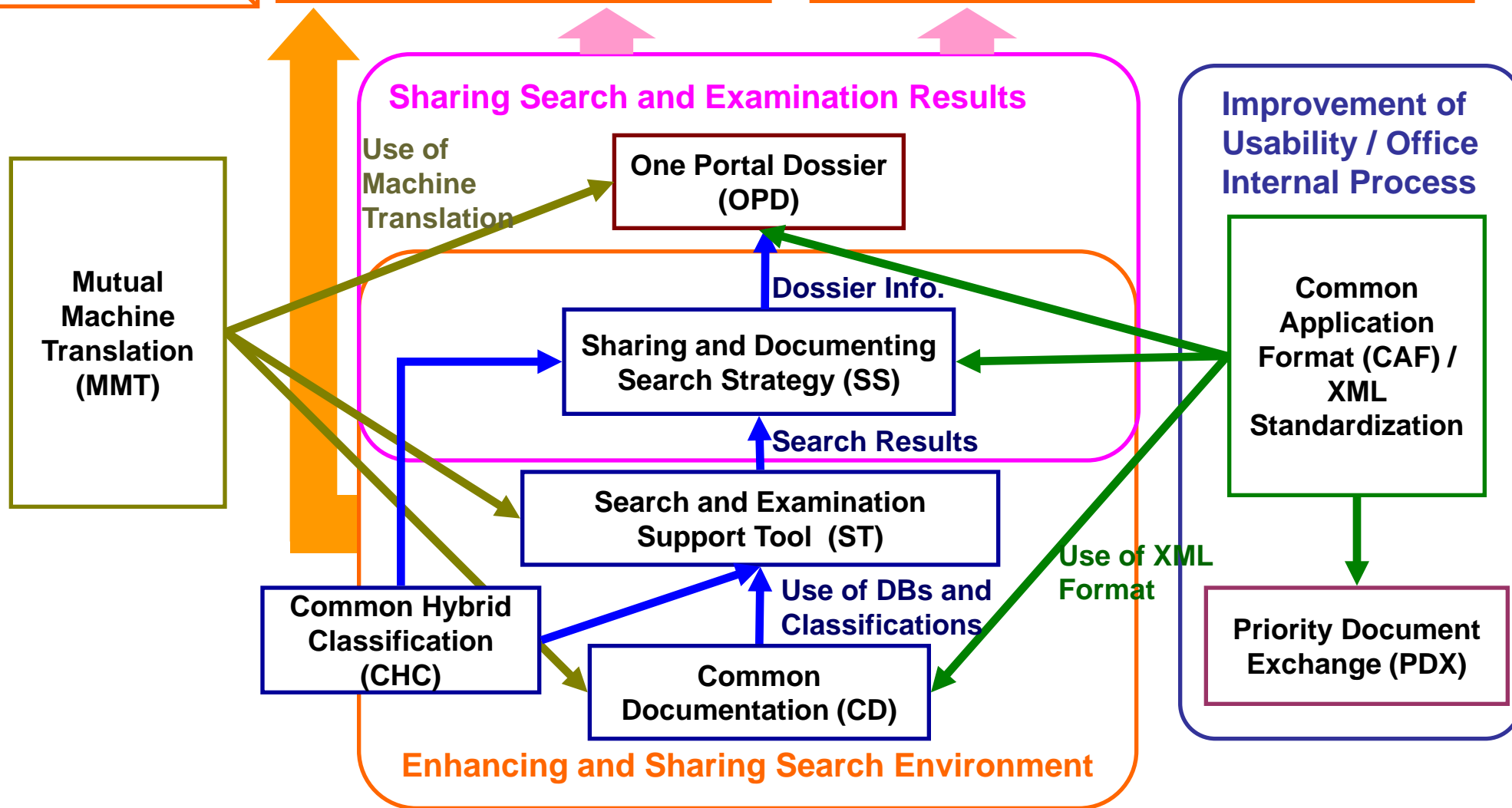
( ) Lead Office of each project

# Relationship among IT-related IP5 FPs

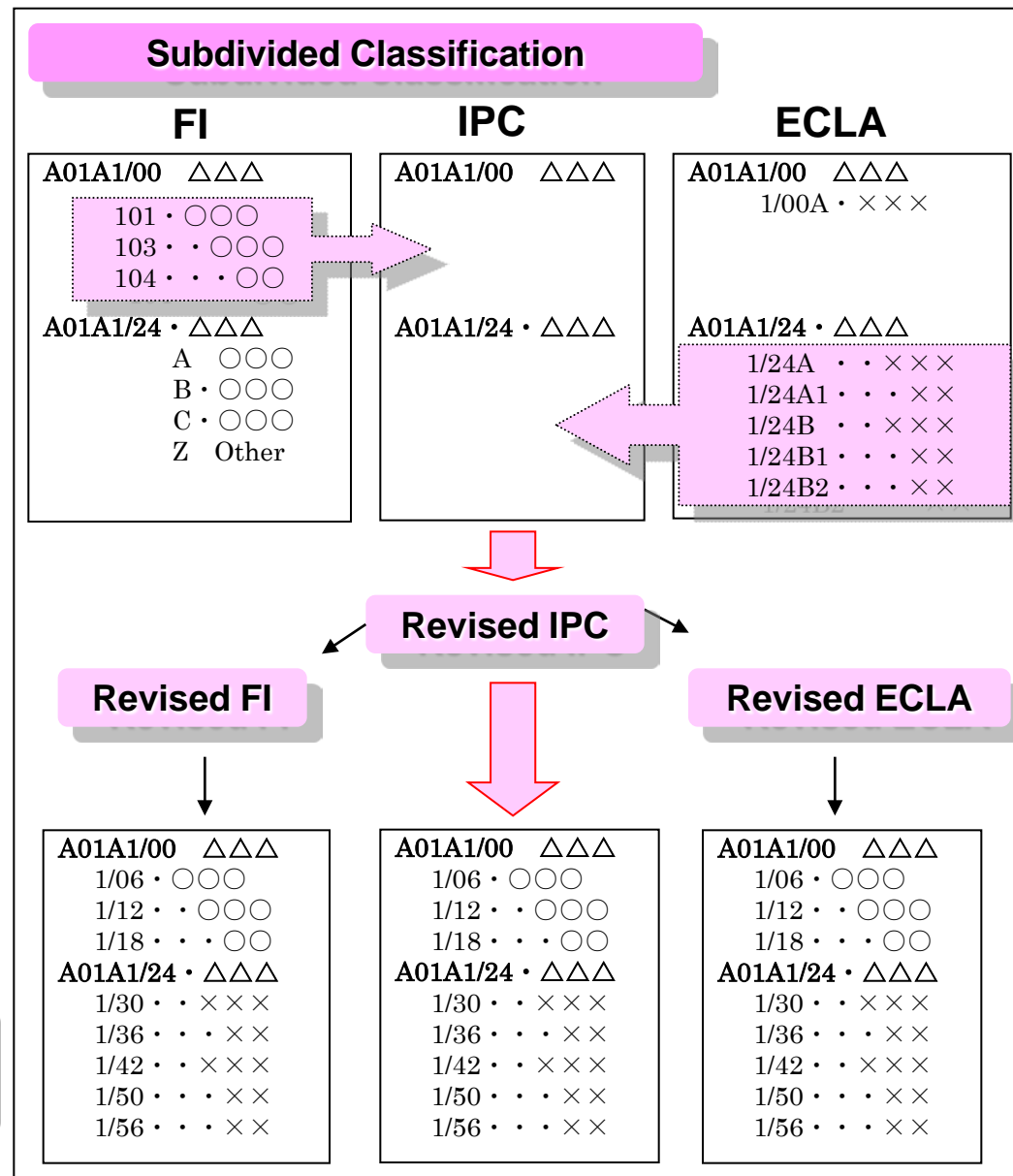
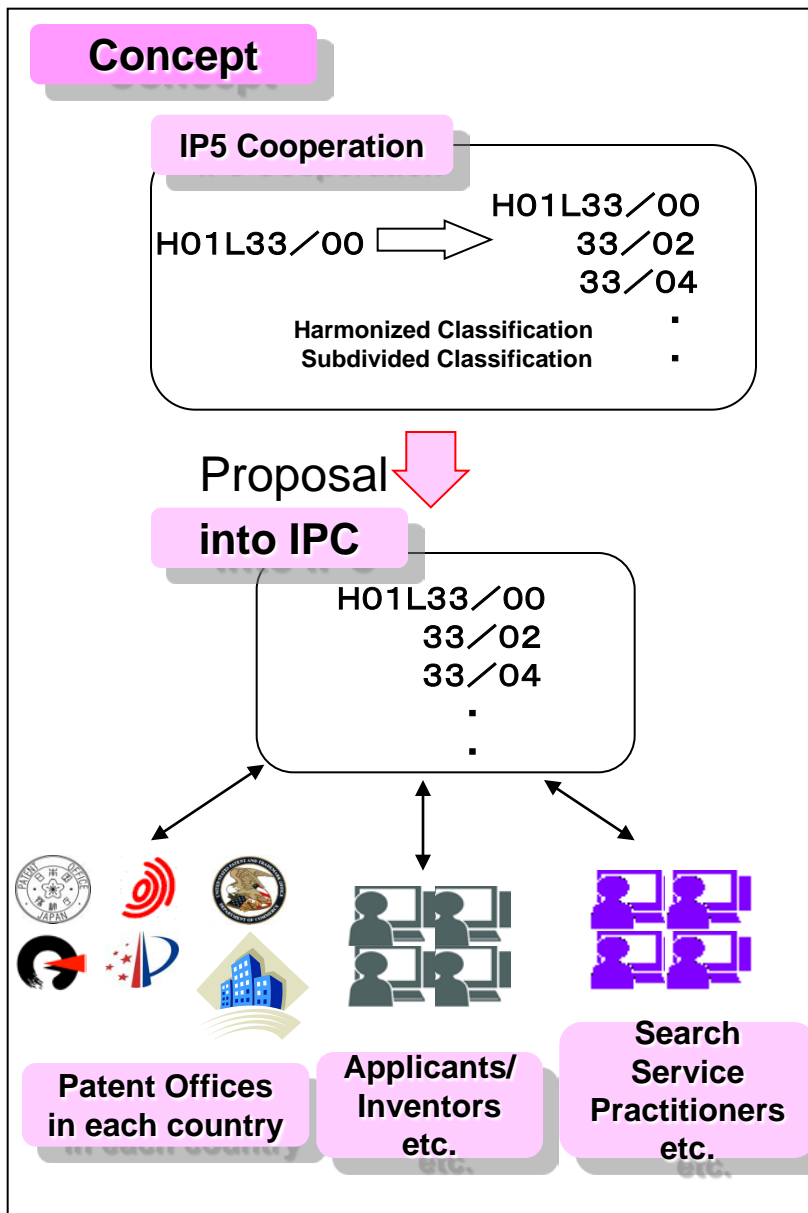
Objective of IP5  
Cooperation

Patent Examination **Quality**,  
Stability of Patent Right

Patent Examination **Efficiency**,  
Elimination of unnecessary Duplication



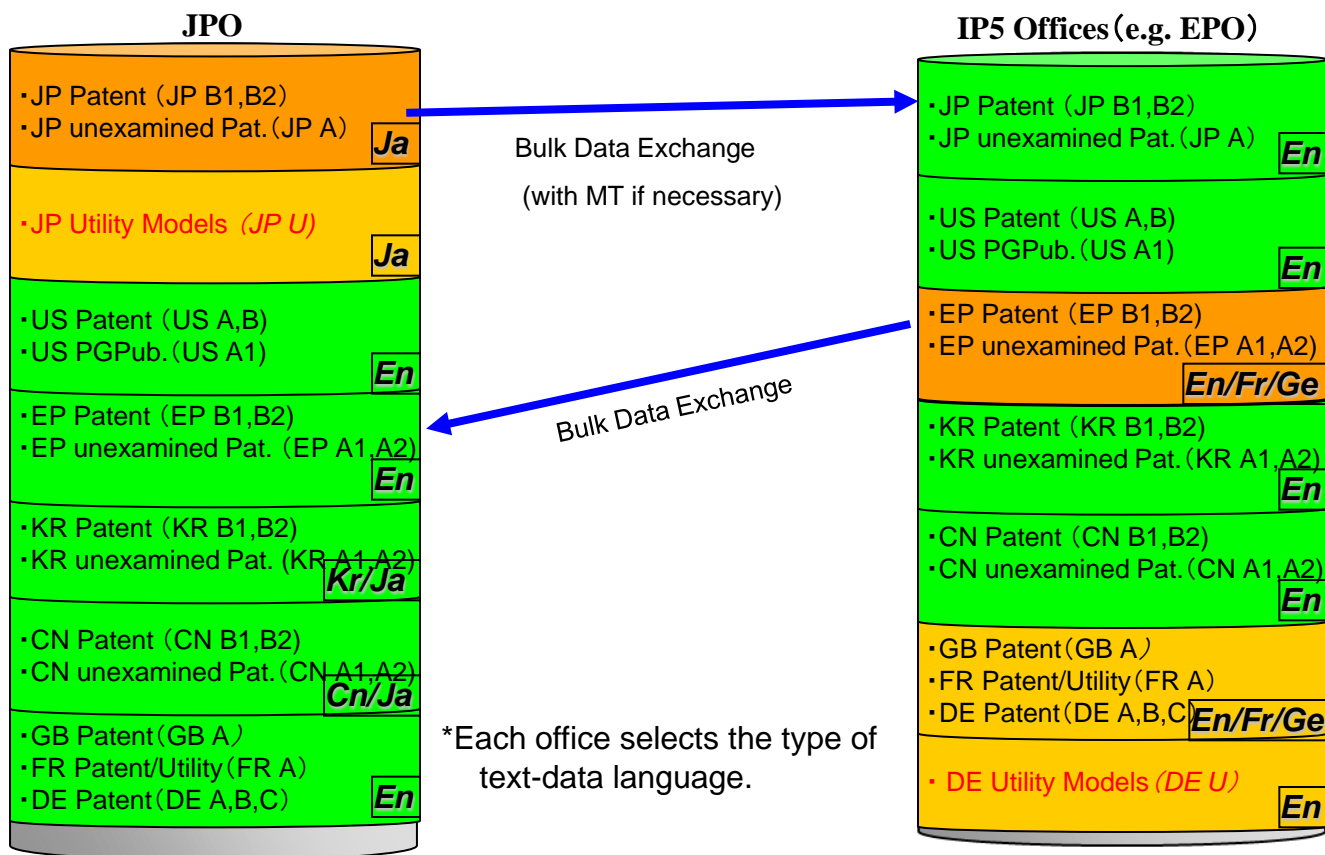
# WG1: Common Hybrid Classification (CHC)



# WG2: Common Documentation (CD)

## (1) data exchange for improvement of each in-house DB

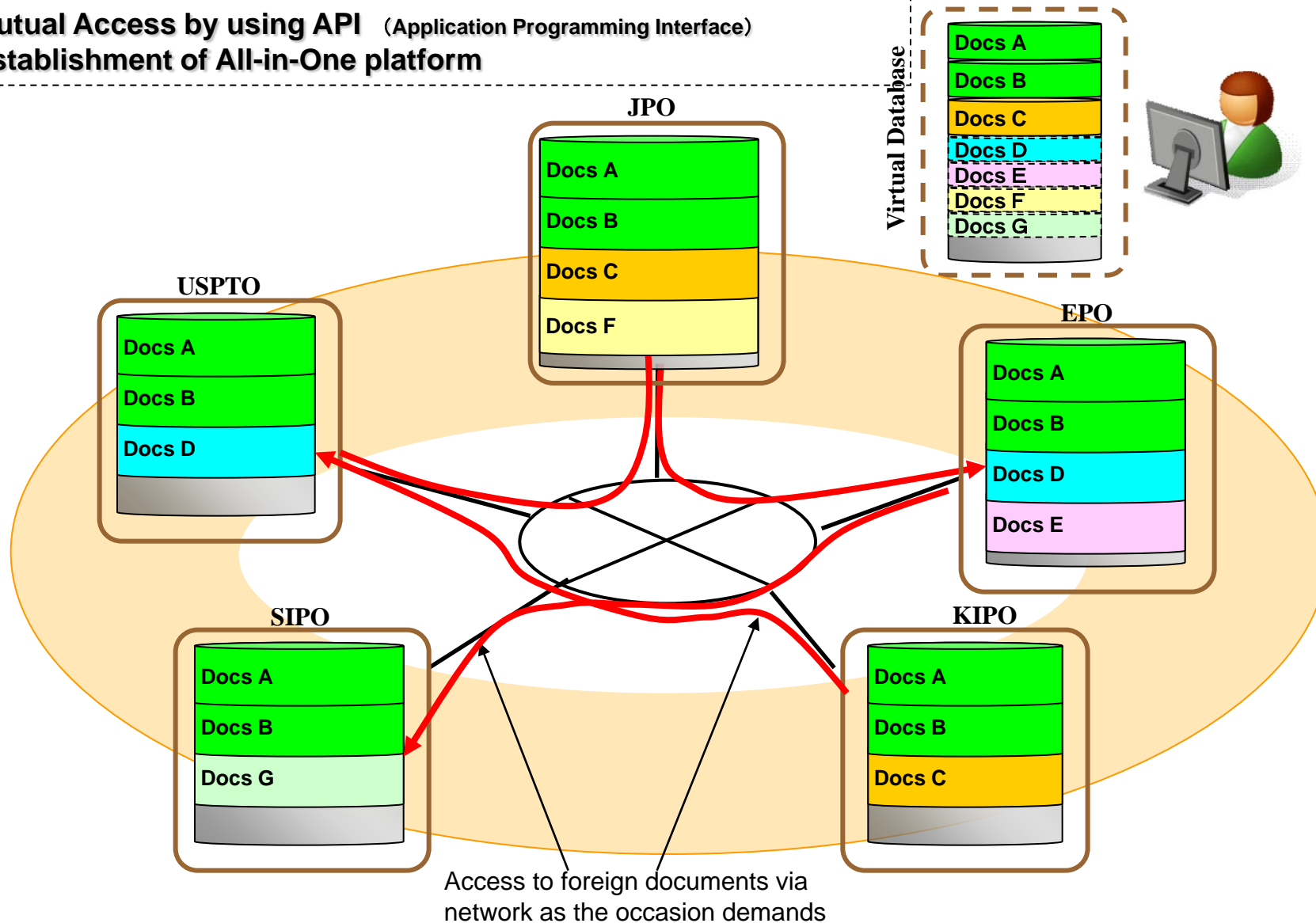
- Improve existing scheme for data exchange (e.g. Standardization of data exchange, media-less exchange etc.)
- Create in-house database by collecting frequently cited documentation under each Office's operation and management
- Select the language for searching/viewing documents



# WG2: Common Documentation (CD) Cont.

## (2) Mutual Access to each Office's DB

- **Mutual Access by using API** (Application Programming Interface)
- **Establishment of All-in-One platform**



➤ Develop common search and examination environment to ensure ability to produce and reproduce equivalent search results for each office

- **Issues to be considered**

- Single shared system (cost reduction and repeatability) vs. Examiners' choice of multiple systems (examination quality and efficiency)
- Differences in languages
- Differences in legal systems and operations
- Technical feasibility and performance
- Relationship with Common Documentation project



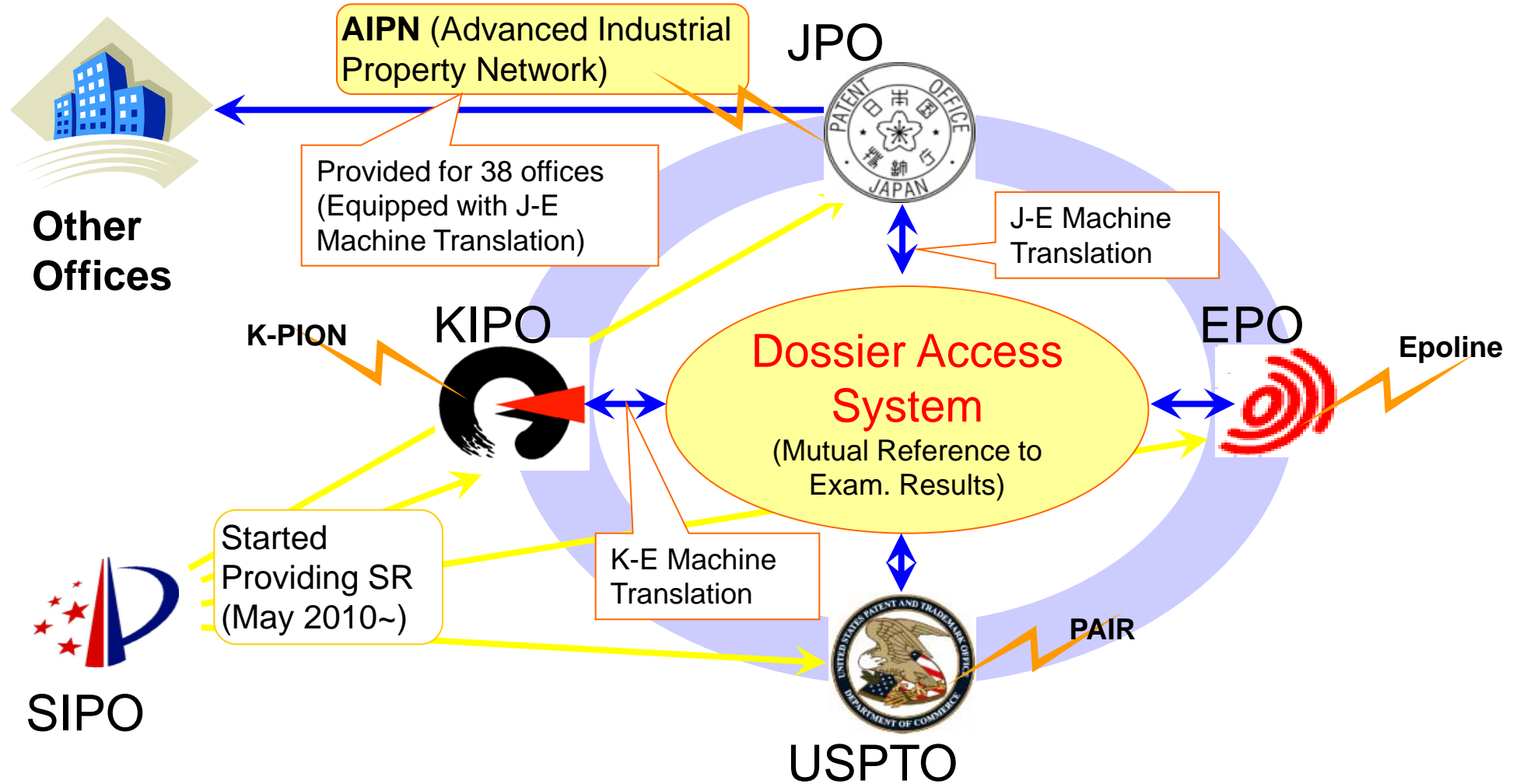
➤ Develop a way to capture and exchange “Search Strategy” performed during search to provide examiners ability to understand search criteria selected by other offices’ examiners.

- **Issues to be considered**

- What to be recorded (full history vs. clean history)
- Examiners burden
- Differences in languages
- Differences in search systems and classification schemes
- Relationship with Common Search Tools project

# WG2: Common Access to Search and Exam. Results

➤ Improve IT environment for examiners to effectively utilize other offices' search and examination result



# WG2: One Portal Dossier (OPD)

## ➤ Sophisticated Dossier Access System

Input Application Number  
(Priority Number, Application number or Publication Number is available.)

OK

JP2005-008213

1. All Documents

2. Application Documents

3. Office Actions

4. Applicant's Response

5. Citation

6. Classification

7. Patent Family (Except for IP5)

EPO		JPO		KIPO		SIPO		USPTO	
App. No.	*****	App. No.	*****	App. No.	*****	App. No.	*****	App. No.	*****
Pub. No.	*****	Pub. No.	*****	Pub. No.	*****	Pub. No.	*****	Pub. No.	*****
Pat. No.	*****	Pat. No.	*****	Pat. No.	*****	Pat. No.	*****	Pat. No.	*****
Date	Documents	Date	Documents	Date	Documents	Date	Documents	Date	Documents
17/Sep/2010	*****	16/Sep/2010	***** JP EN	**/**/****	***** KR EN	**/**/****	***** CN EN	**/**/****	*****
**/**/****	*****							**/**/****	***

# WG2: One Portal Dossier (OPD) Cont.

1. All Documents		2. Application Documents		3. Office Actions		4. Applicant's Response		5. Citation		6. Classification		7. Patent Family (Except for IP5)	
EPO		JPO		KIPO		SIPO		USPTO					
App. No.	*****	App. No.	*****	App. No.	*****	App. No.	*****	App. No.	*****	App. No.	*****	App. No.	*****
Pub. No.	*****	Pub. No.	*****	Pub. No.	*****	Pub. No.	*****	Pub. No.	*****	Pub. No.	*****	Pub. No.	*****
Pat. No.	*****	Pat. No.	*****	Pat. No.	*****	Pat. No.	*****	Pat. No.	*****	Pat. No.	*****	Pat. No.	*****
Date	Documents	Date	Documents	Date	Documents	Date	Documents	Date	Documents	Date	Documents	Date	Documents
17/Sep/2010	*****	16/Sep/2010	***** JP EN	**/**/****	***** KR EN	**/**/****	***** CN EN	**/**/****	*****	**/**/****	*****	**/**/****	*****
**/**/****	*****									**/**/****	*****		

## Examination Report

### Reason:

- The following documents (D1/D2), of which D1 is considered to  
 ....  
 D1= EP-A-0709779  
 D2= Yasuda et. al, Color Still Picture Sub-Division  
 Coding International Standards, Journal of the Institute of  
 Image Electronics Engineers of Japan, Japan, December  
 25,  
 1989, Vol.18, No.6, P.398-407
- Lack of novelty, Articles 52(1) and 54 EPC:  
**The present applications does not** comply with the  
 requirements.....

## Citation Information

### EPO:

- [EP 0709779 A](#)
- [Yasuda et. al.](#)

### USPTO:

- [US 2000-325675 A](#)
- [US 2001-292215 A](#)
- [EP 0709779 A](#)

### WIPO:

- [US 2001-292215 A](#)
- [EP 0709779 A](#)

### KIPO:

- \*\*\*\*\*

## Classification Information

### ECLA:

- [H01L 21/23D1A](#)
- [G03B 3/00A2B](#)

### USC:

- [312/06](#)
- [215/09](#)
- [21/234](#)

### FI :

- [H01L 21/23, 101@A](#)
- [G03B 3/00@Z](#)

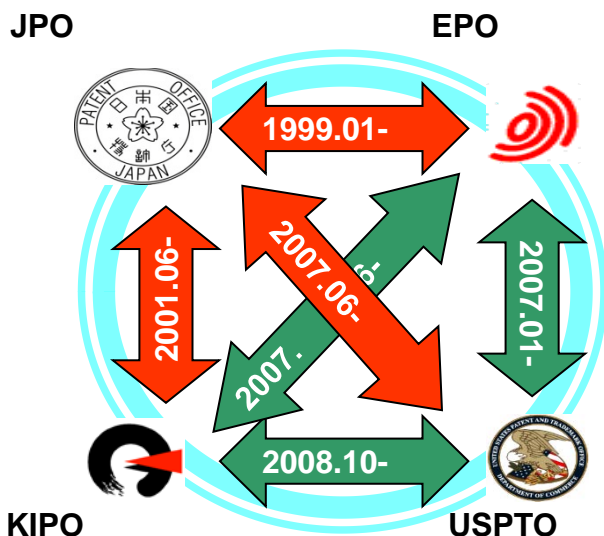
### IPC:

- [H01L 21/23](#)

## Patent family (Except 5 offices)

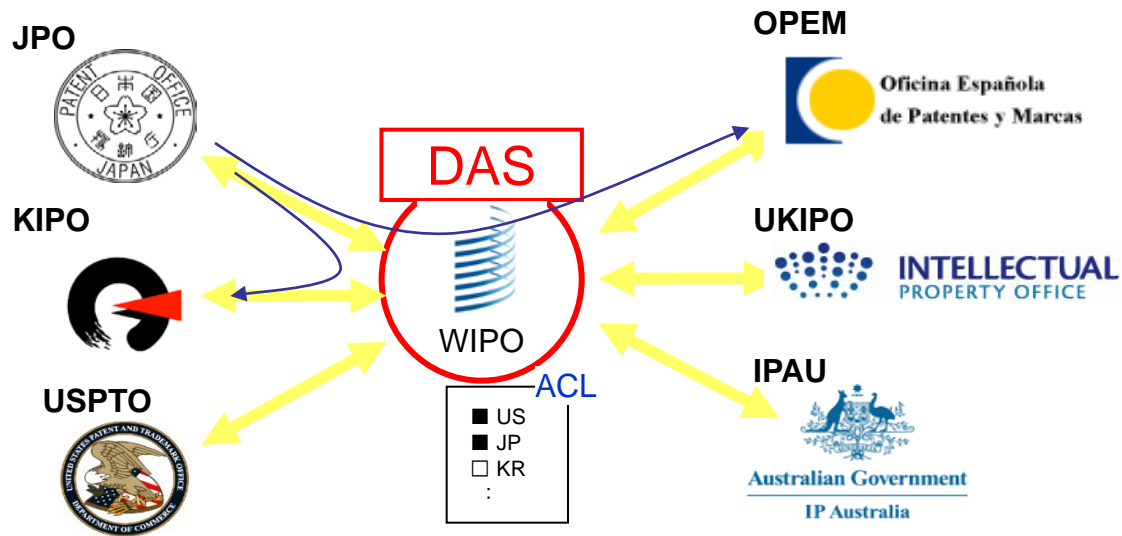
- DE 100000 A  
FR 100000 A

## ■ Bilateral PDX



- Direct P-doc exchange between two offices
- Difficult to add many offices

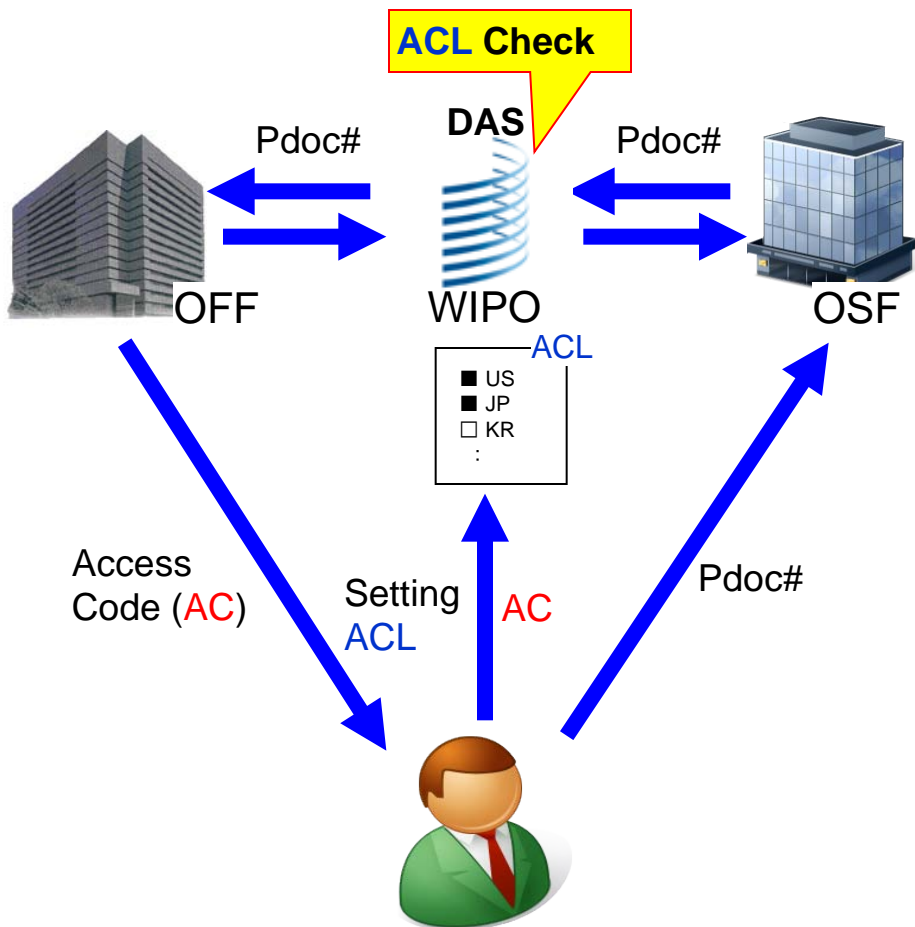
## ■ DAS-PDX (WIPO Digital Access Service)



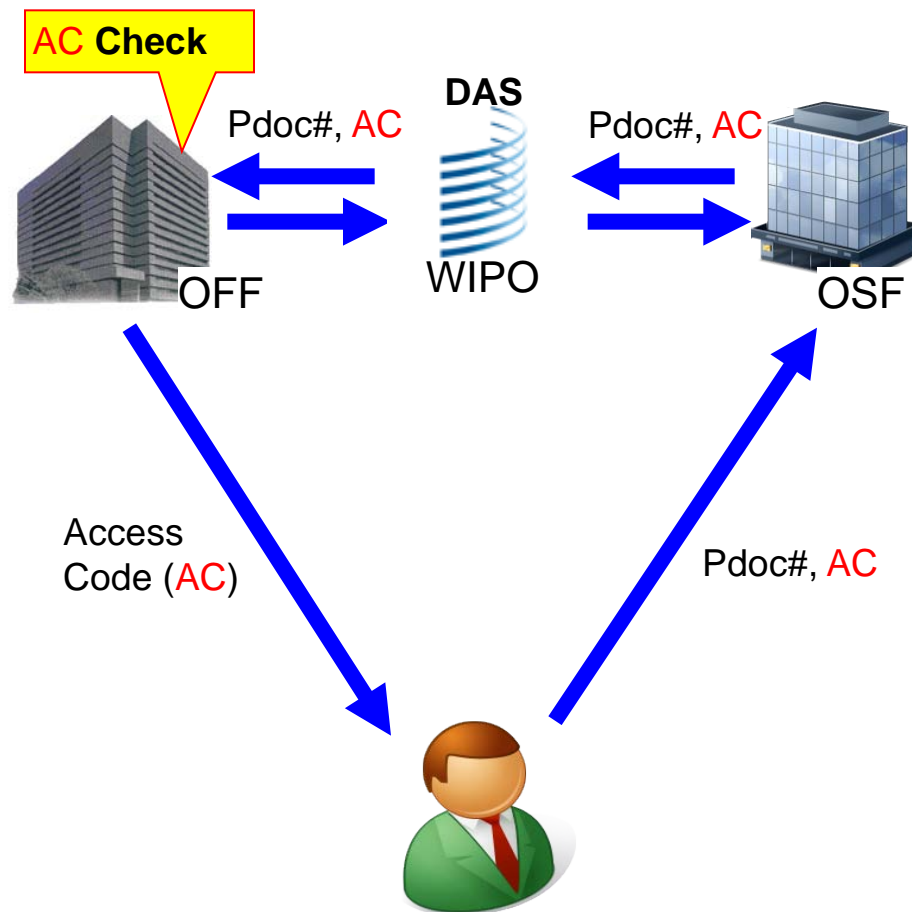
- P-doc Exchange through WIPO DAS system
- Access Control List required
- Easy to add more offices

# Improvement Proposal of DAS Usability

## Current System (Access Control List)

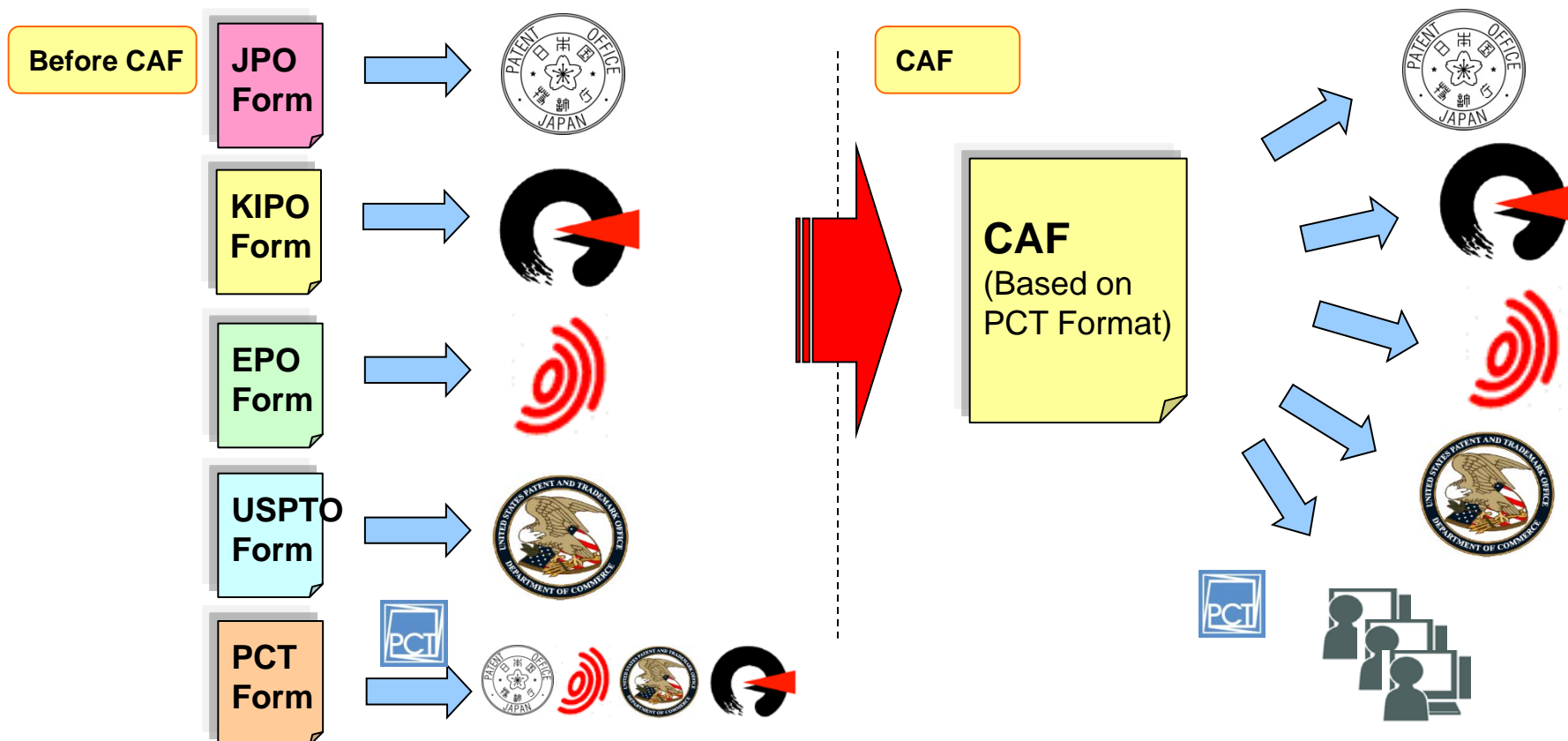


## Proposed System (Access Code for OSF use)



# Common Application Format (CAF)

- CAF is a common application format which can be accepted by any participating Office (EPO, JPO, KIPO, USPTO and WIPO(PCT))
- Translation may be necessary, but no need for format change



➤ Improve quality of machine translation provided by each office

- **Quality Assessment of MT**

- EPO and USPTO to assess sample sentences machine translated by JPO, KIPO and SIPO according to agreed assessment scales
- ➔ **Current quality of MT can be measured**

- **Error Review and Feedback**

- EPO and USPTO to review machine translated sentences provided by JPO, KIPO and SIPO and give feedback on errors in the translation
- ➔ **MT quality can be improved by upgrading MT engine, dictionary etc. based on the error feedback**



- Problems on current XML Standards (ST. 36, 66, 86)
  - Inconsistency between DTD-based ST.36 and XML Schema-based ST.66, 86
    - Difficult to develop common system for all types of IP
  - ST.36 is PCT-based
    - Difficult to apply for forms unique to each office



## XML4IP (ST.96)

new XML standard common to all types of IP

- Currently discussed at WIPO XML4IP TF with the aim of adopting new standard at WIPO CWS meeting in 2011
- IP5 to input their business needs (emphasis on data exchange and secondly usage) to XML4IP TF

Thank you!