

Japan Patent Office Experience on Deployment of Online Services



August 26-30, 2019

Information Technology
Policy Planning Office

1. Basis of System Development

2. Outline of JPO System

3. One Portal Dossier Service

1. Basis of System Development

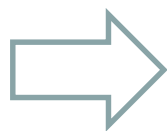
2. Outline of JPO System

3. One Portal Dossier Service

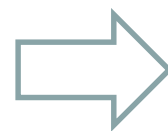
1. Basis of System Development

- **Back Ground of Computerization**
- Relevance of Law Amendment and System Development
- Relevance of Budget Department and System Development
- Schedule of Contract Procedure
- Schedule of System Development
- Outside Vendor

Before computerization...



	in 1985	in 1986	in 1987	in 1988	in 1989
JPO	299,851	316,162	336,884	335,759	345,140
WORLD	921,715	947,715	994,972	1,009,664	1,014,382



Filed
in paper

Proceeded
in paper

Published
in paper

Retrieve
in paper

Office's issues

- Resource to manage a pile of paper documents
- Delays (filing, examination including formality, publication)

Users' issue

- Difficulties in retrieving prior art from paper gazettes

Benefits of computerization for each side,
IP Office and users



Office's benefits

- Improvement of the effectiveness of business operations
- Guarantee of the accuracy of business operations

Public Users' benefits

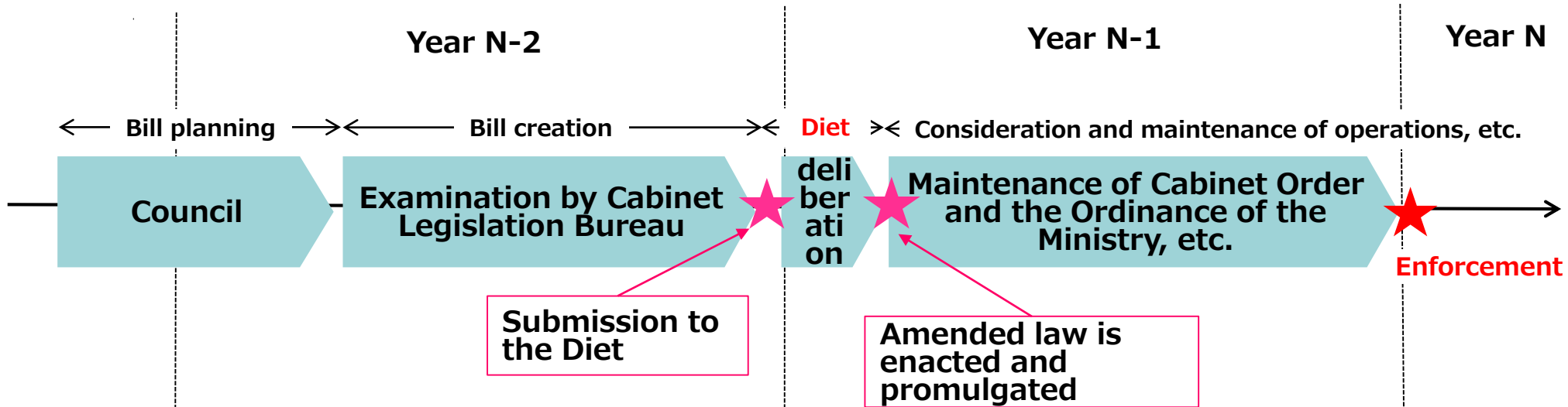
- Improvement of procedural convenience in filing, etc.
- Timely and user-friendly utilization of IP information

1. Basis of System Development

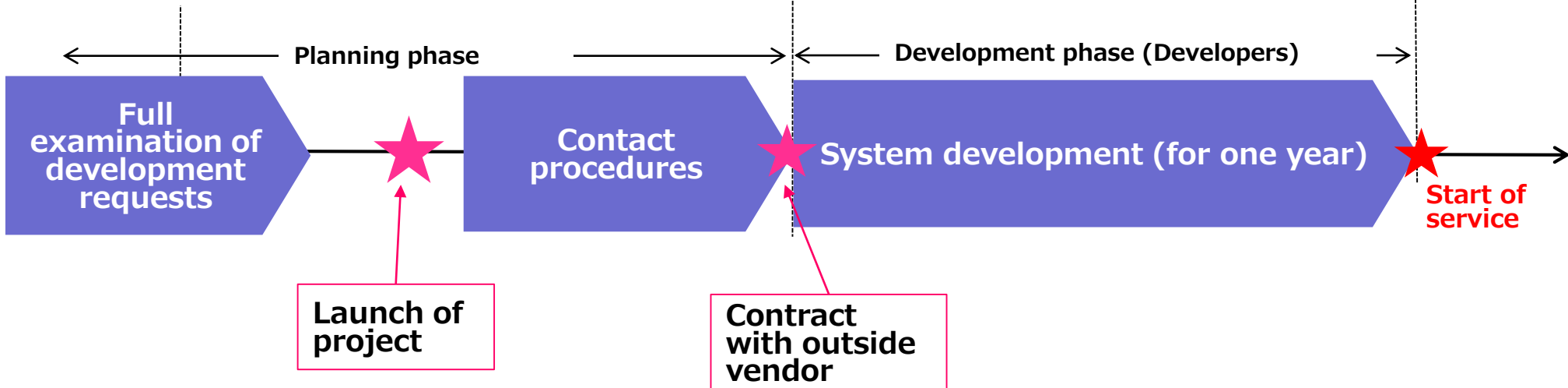
- Back Ground of Computerization
- **Relevance of Law Amendment and System Development**
- Relevance of Budget Department and System Development
- Schedule of Contract Procedure
- Schedule of System Development
- Outside Vendor

- Many operations at the IPO are carried out under the support of IT systems.
- There is necessity to consider whether or not there is a system revision (e.g. law amendment) when developing the IT system.
- Coordination among various departments is necessary to match the schedule of both a system revision and IT system development.

<Schedule of law amendment>



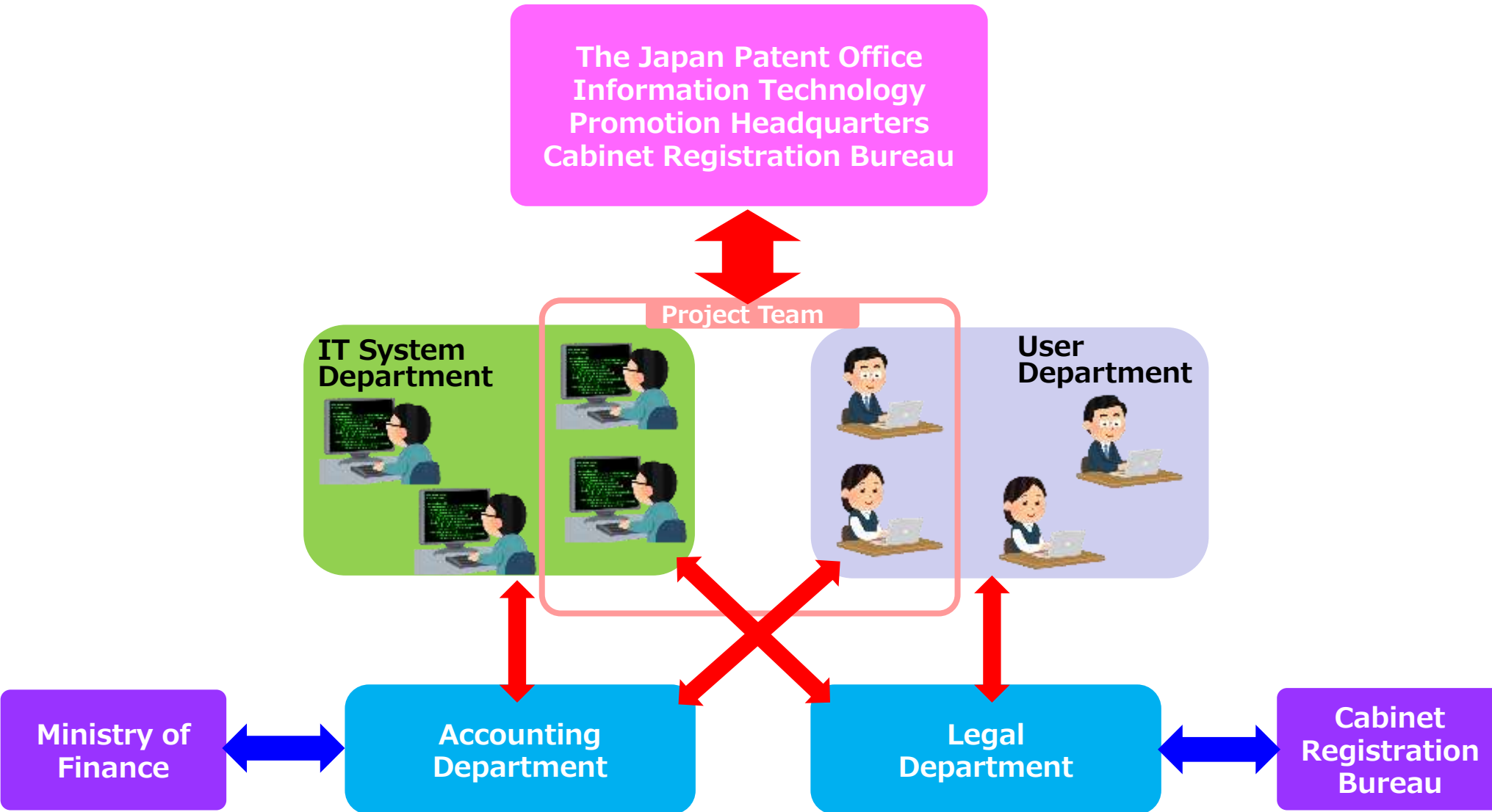
<Schedule of system response>



1. Basis of System Development

- Back Ground of Computerization
- Relevance of Law Amendment and System Development
- **Relevance of Budget Department and System Development**
- Schedule of Contract Procedure
- Schedule of System Development
- Outside Vendor

- A system revision (e.g. law amendment) will be carried out by the cooperation between User department and Legal department.
- The IT system development for responding system revisions will be carried out by a project team, e.g. established by User and Information system department.
- The budget required for the IT system development will be adjusted by the project team, **Information system and Accounting department in cooperation with each other.**

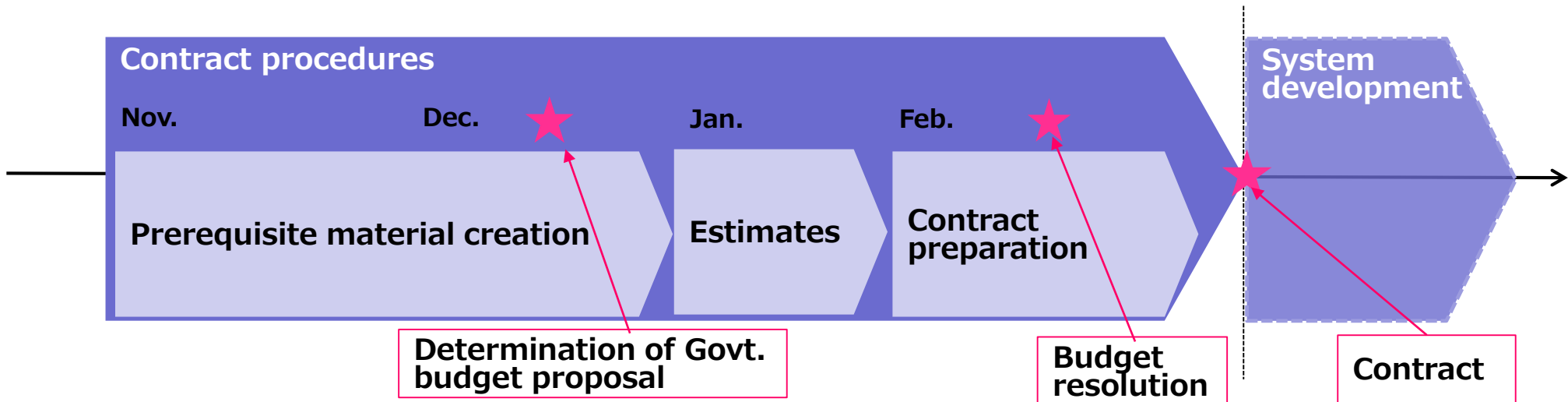


1. Basis of System Development

- Back Ground of Computerization
- Relevance of Law Amendment and System Development
- Relevance of Budget Department and System Development
- **Schedule of Contract Procedure**
- Schedule of System Development
- Outside Vendor

Schedule of Contract Procedure

- Contract procedures follow the process below.



■ Prerequisite material creation

Make operational requirements in detail, and create prerequisite material more in detail than when the budget request.

■ Estimates

Ask vendors for estimates in order to determine the contract amount.

■ Contract preparation

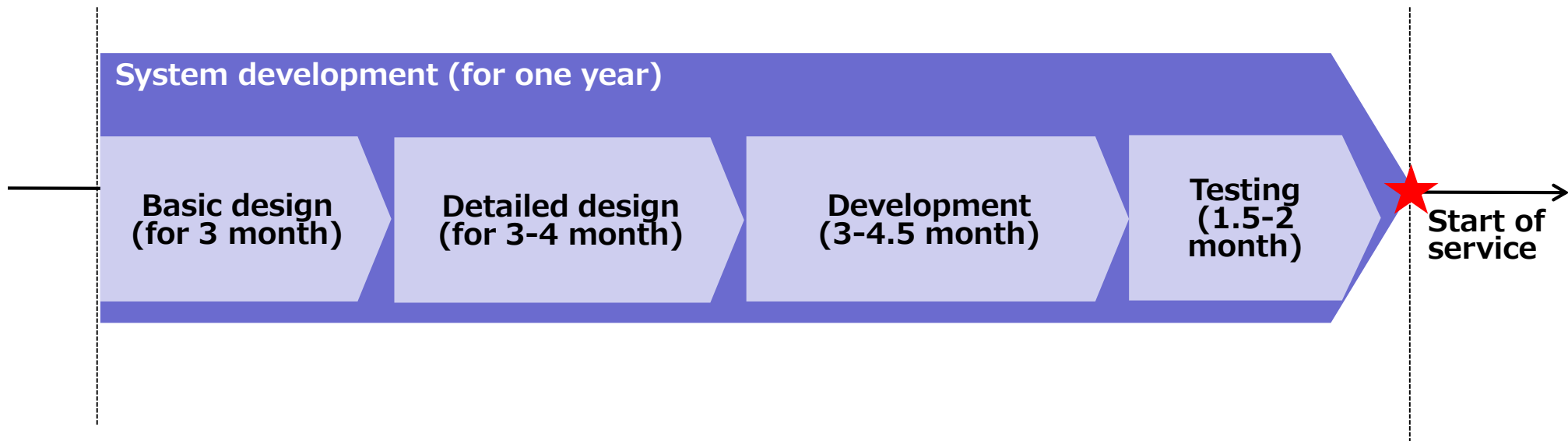
Create specifications by projects, carry out contract procedures by accounting departments.

1. Basis of System Development

- Back Ground of Computerization
- Relevance of Law Amendment and System Development
- Relevance of Budget Department and System Development
- Schedule of Contract Procedure
- **Schedule of System Development**
- Outside Vendor

- The schedule of the system development is as follows.
- The start of service and enforcement of law take place at the same timing.

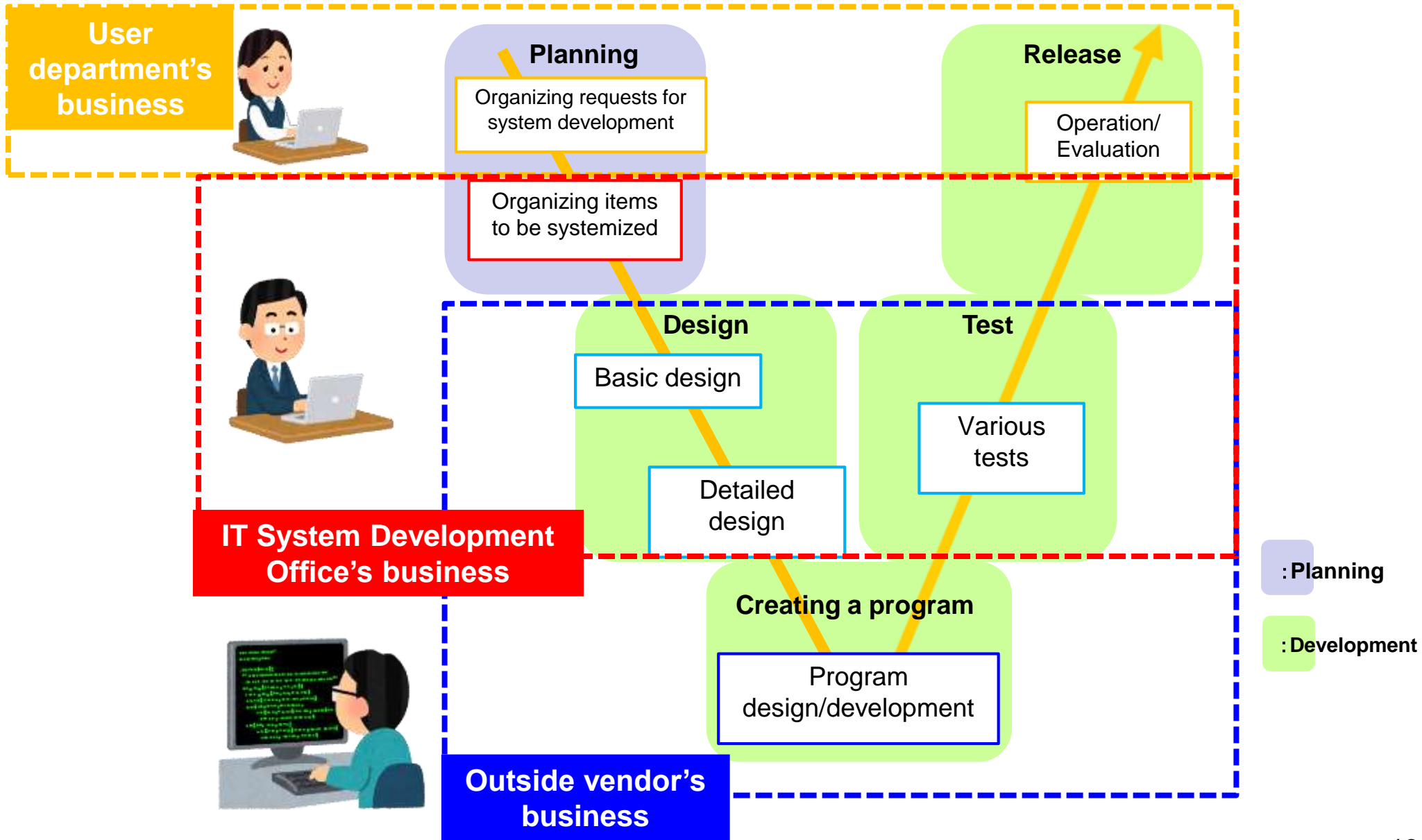
Schedule of one-year development



1. Basis of System Development

- Back Ground of Computerization
- Relevance of Law Amendment and System Development
- Relevance of Budget Department and System Development
- Schedule of Contract Procedure
- Schedule of System Development
- **Outside Vendor**

Outside Vendor (Outline)

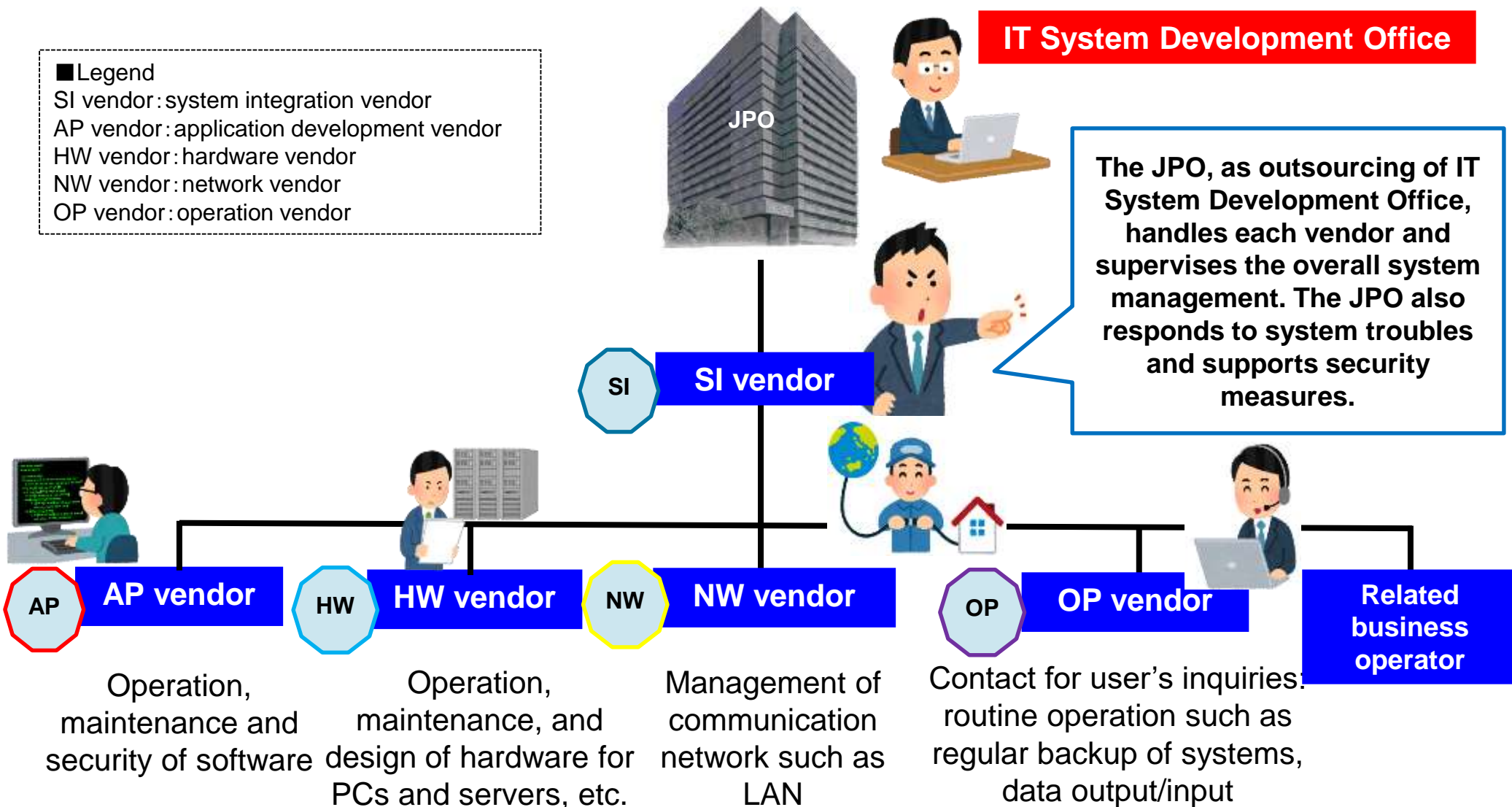


Outside Vendor (Structure)

Legend
 SI vendor: system integration vendor
 AP vendor: application development vendor
 HW vendor: hardware vendor
 NW vendor: network vendor
 OP vendor: operation vendor

IT System Development Office

The JPO, as outsourcing of IT System Development Office, handles each vendor and supervises the overall system management. The JPO also responds to system troubles and supports security measures.



If the computerization of IPO can be realized,

- ✓ Both IP office and Public user will make a great profit
- ✓ Improvement of the effectiveness and accuracy for IPO side
- ✓ Improvement of procedural convenience, timely and user-friendly utilization of IP information for User side

When considering the IT system development

- ✓ Notice the necessity of cooperation with other related departments, e.g. legal, budget, etc.
- ✓ Also importance of the structure of outside vendor (In case of contracting with outside vendor)

1. Basis of System Development

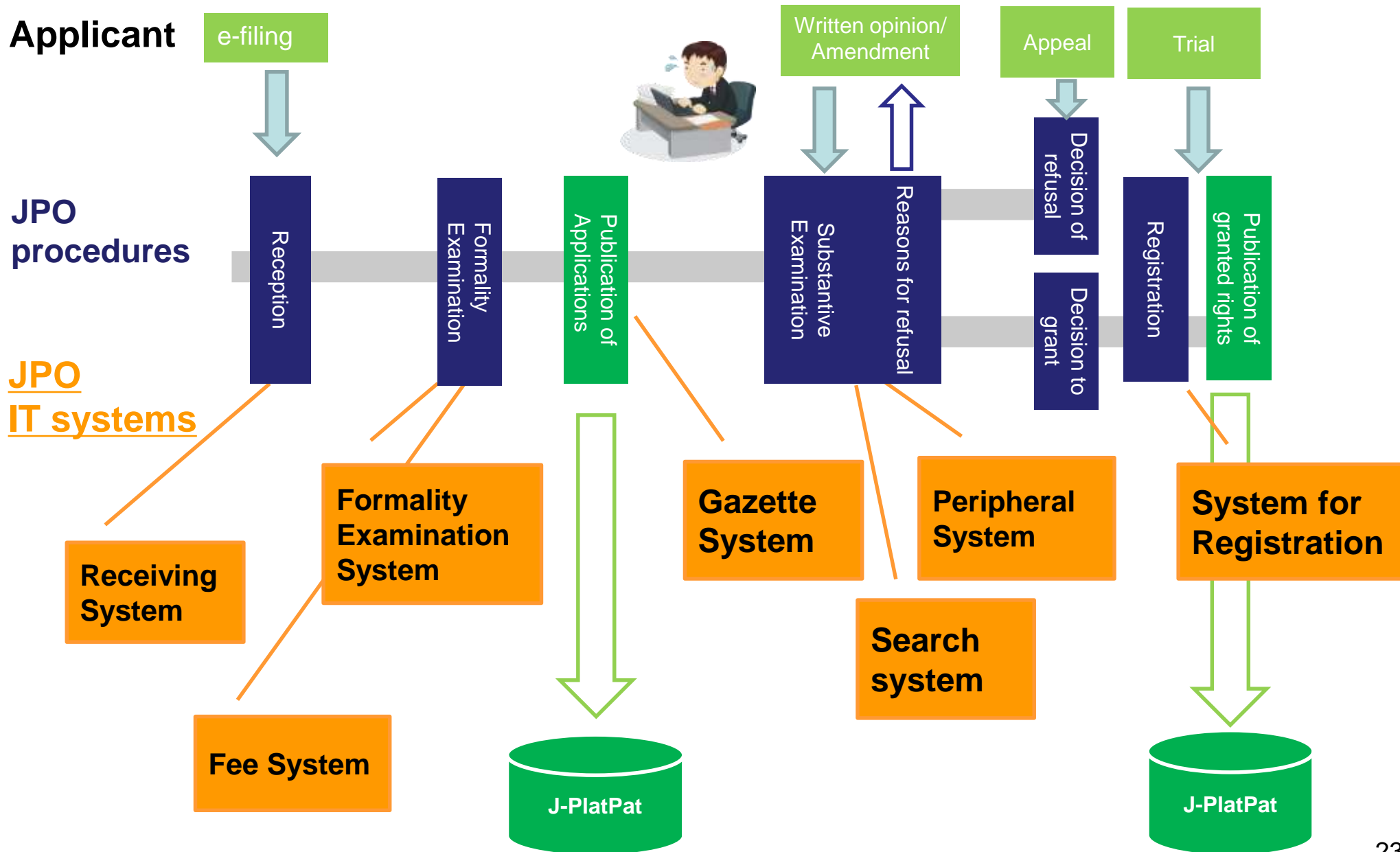
2. Outline of JPO System

3. One Portal Dossier Service

2. Outline of JPO Systems

- Receiving and Dispatch System
- Formality Examination System
- Gazette Editing System
- Public Dissemination
- Search System and Peripheral System

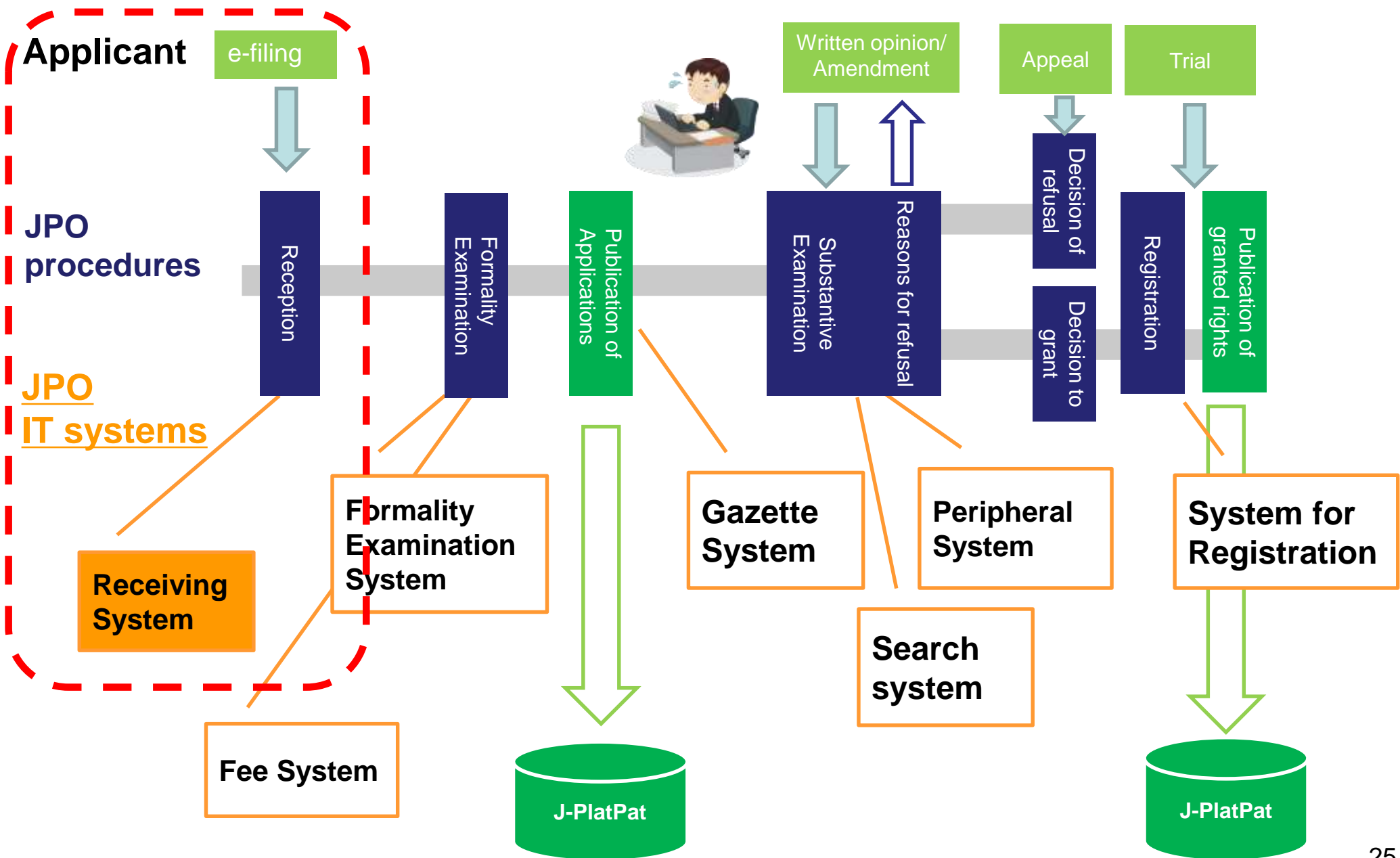
Outline of JPO Systems



1. Outline of JPO Systems

- **Receiving and Dispatch System**
- Formality Examination System
- Gazette Editing System
- Public Dissemination
- Search System and Peripheral System

Outline of JPO Systems



■ What is “the Receiving and Dispatch System”?

[Receiving System]

The system which accepts applications from applicants

[Dispatch System]

The system which notifies applicants about outgoing documents, e.g. notification of reasons for refusal

■ Why should these systems be computerized?

■ What are any advantages for computerizing?

[IPO Side]

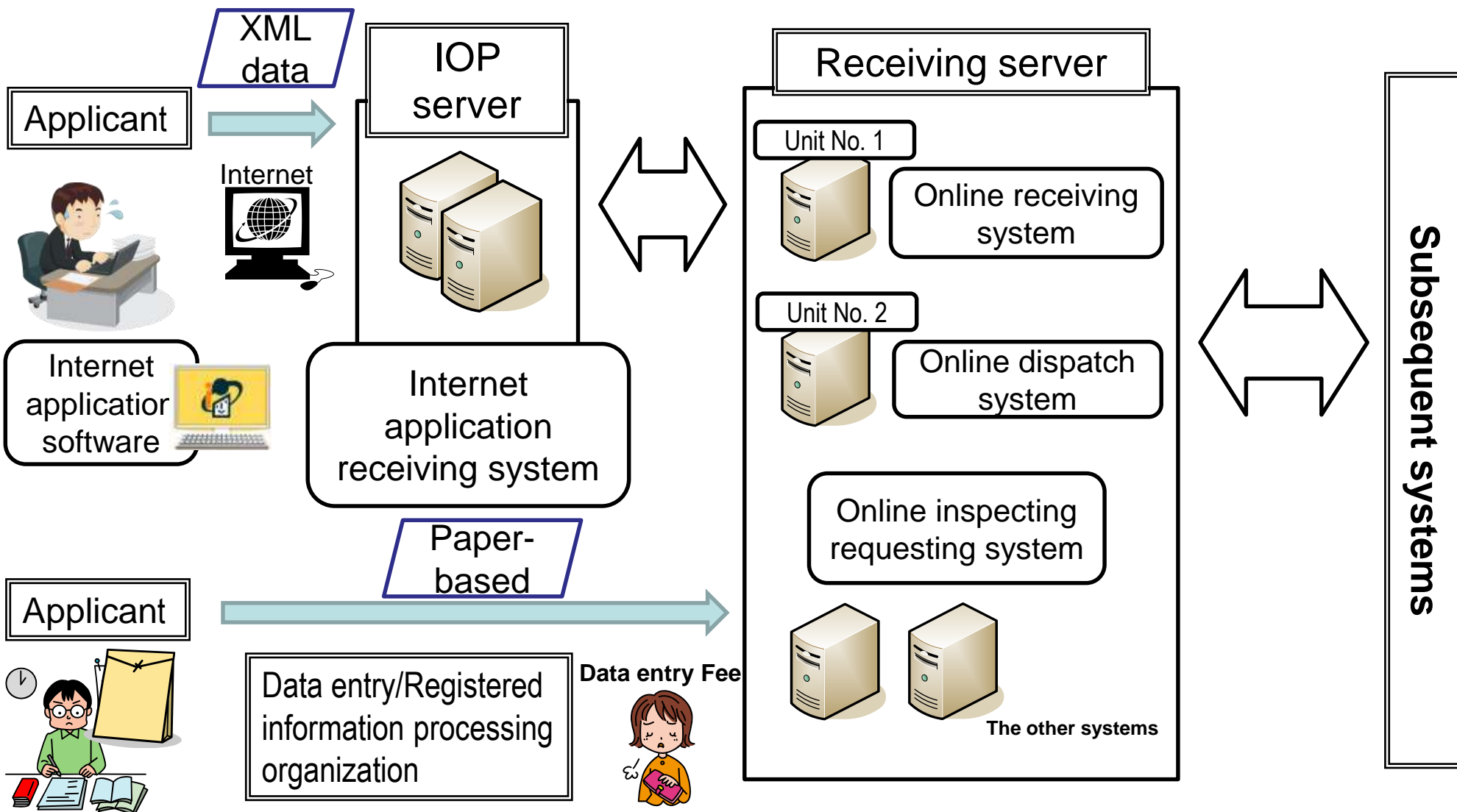
- Need to store a great number of applications in paper
- Difficult to search a target document
- Vulnerable to disaster, e.g. fire, flood.

[User Side]

- Need to bring application documents to IPO or send them in paper

Online receiving system

IOP server and receiving server



Backup Center

normal situations

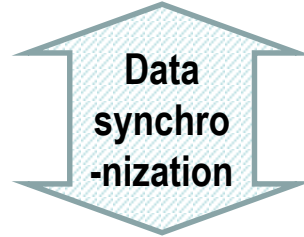
JPO (main site)



Applicant



Internet application software



Backup Center



<Dealing with online filing operations below>

1. Online application
2. ID number acquisition and user registration
3. Applicant user registration
4. Electronic certificate addition
5. Application history information inquiry

disastrous situations

JPO (main site)



Applicant



Internet application software

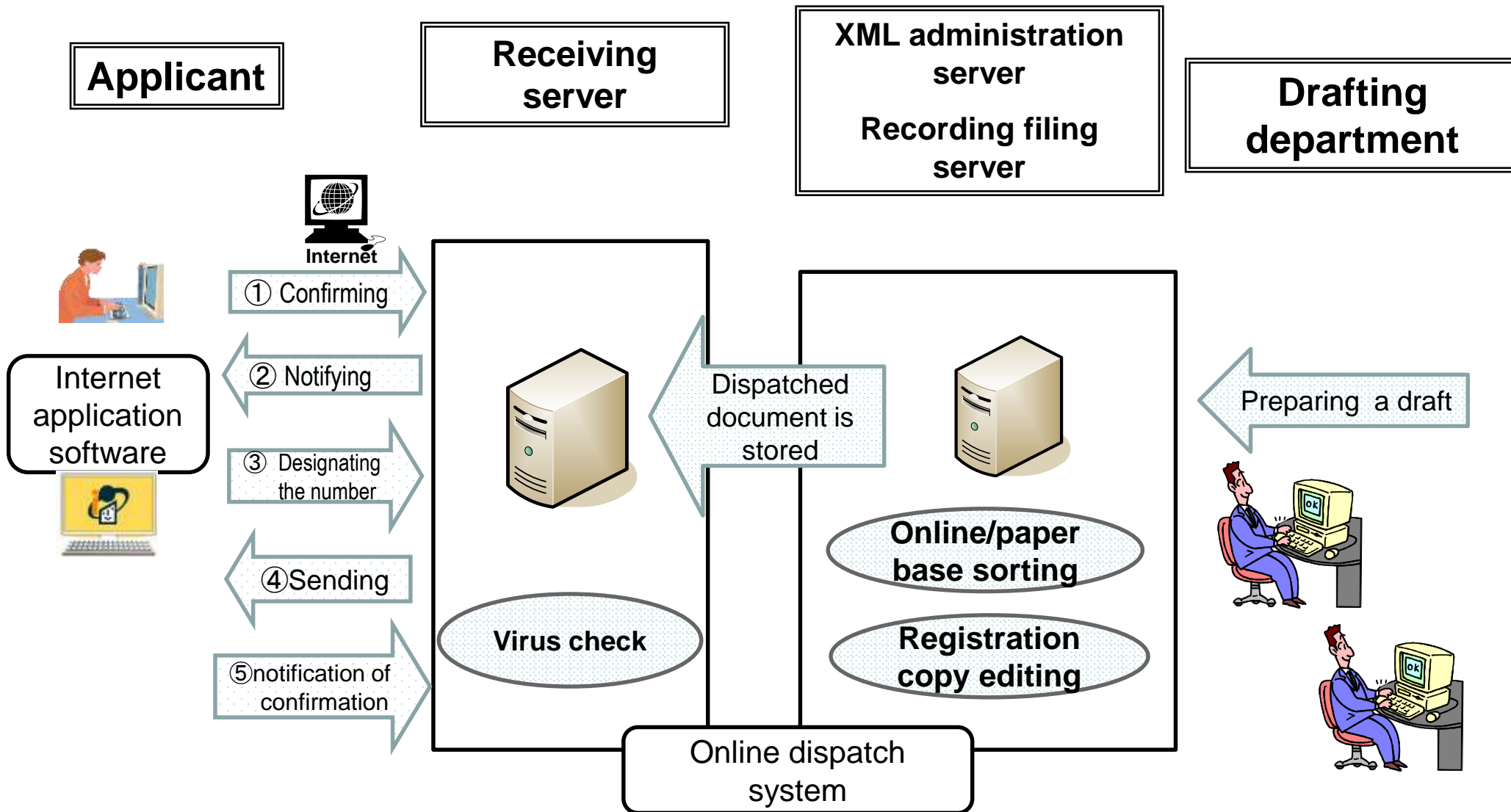


Automatic switching

Backup Center

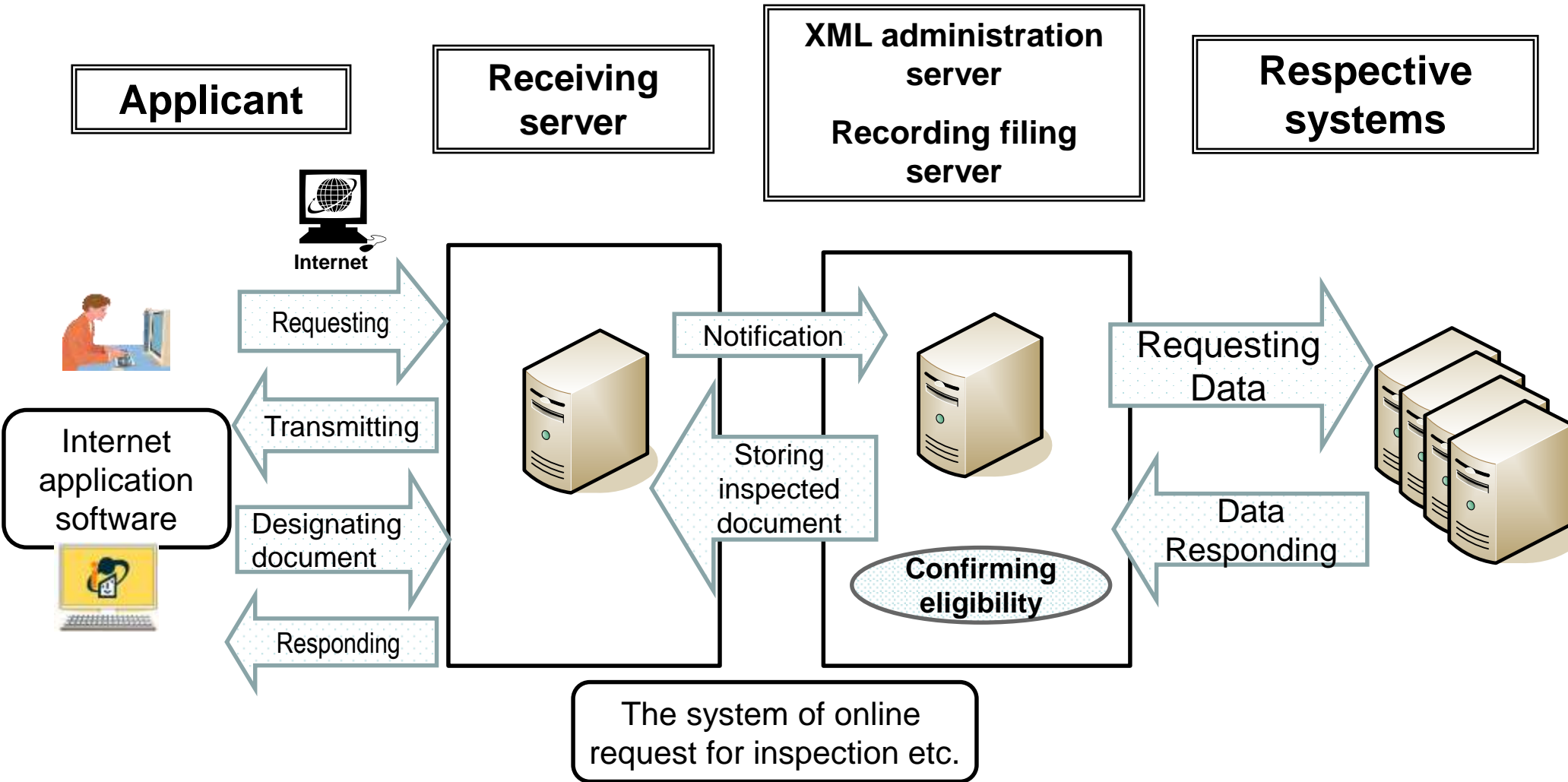


Online dispatch system



Online request for inspection

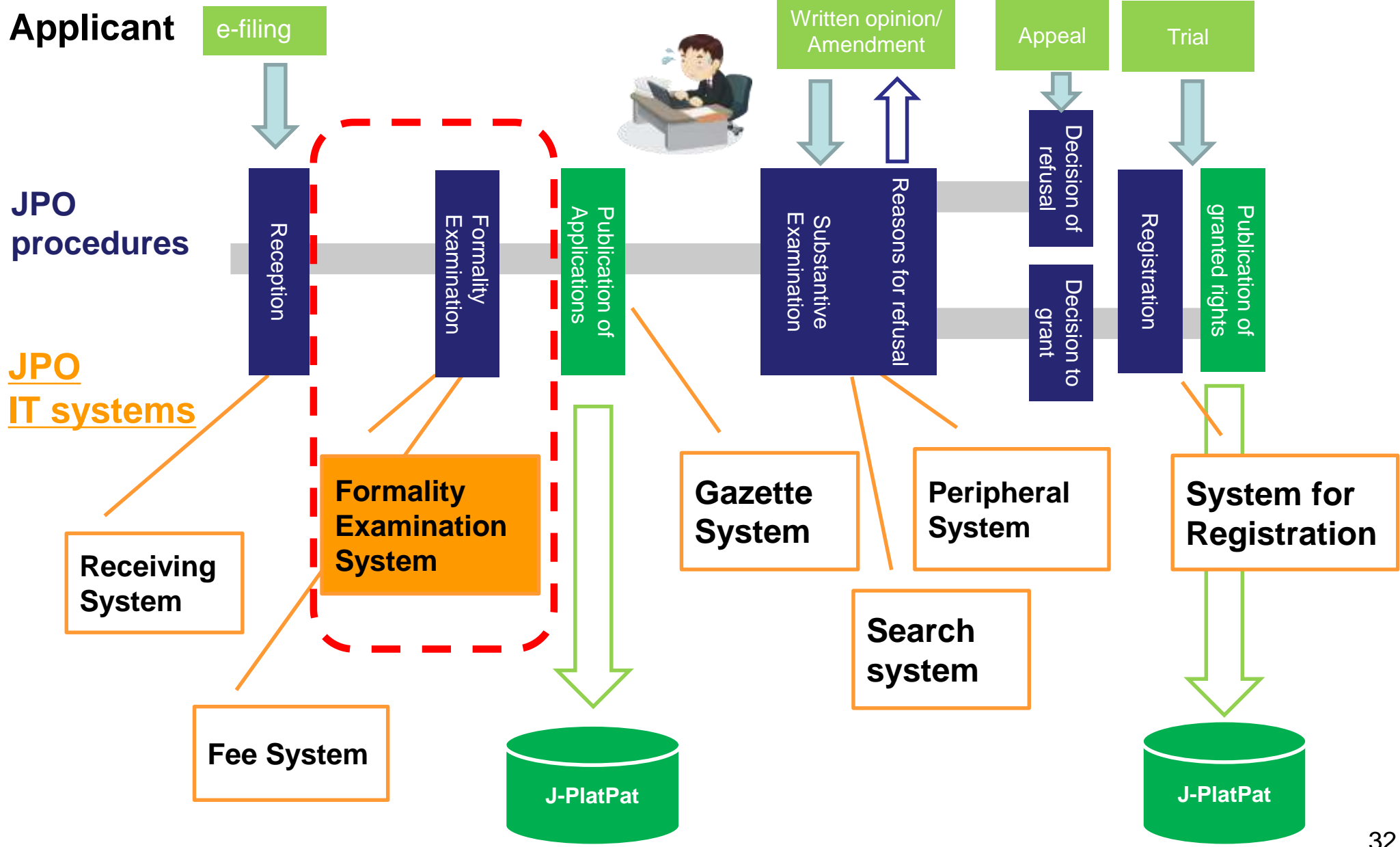
Flow from online request to inspecting



1. Outline of JPO Systems

- Receiving and Dispatch System
- **Formality Examination System**
- Gazette Editing System
- Public Dissemination
- Search System and Peripheral System

Outline of JPO Systems



■ What is the Formality Examination System?

[Formality Examination System]

The system which checks whether the descriptions of application documents are correct or not briefly

■ Why should these systems be computerized?

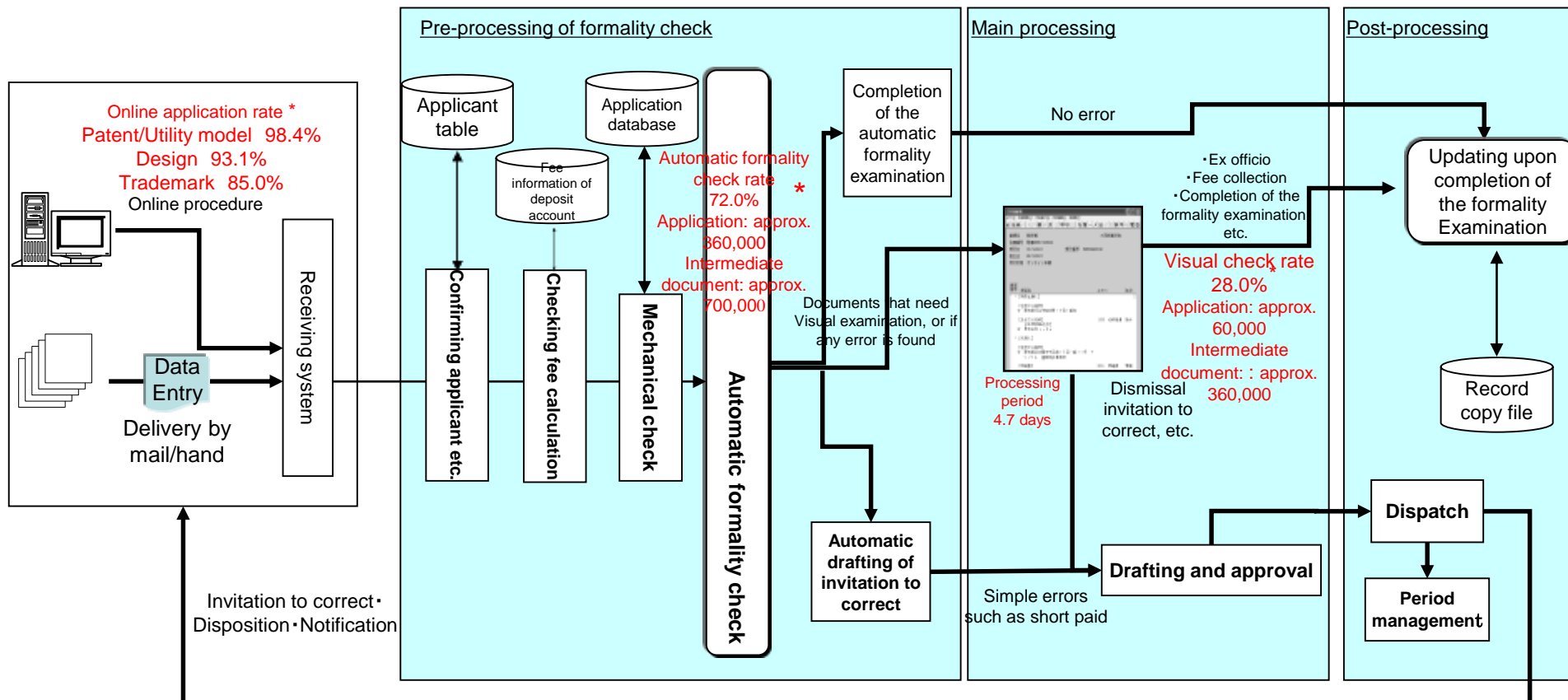
■ What are any advantages for computerizing?

- Need to check a great number of contents by manpower
- Difficult to prevent the human error, e.g. over looking

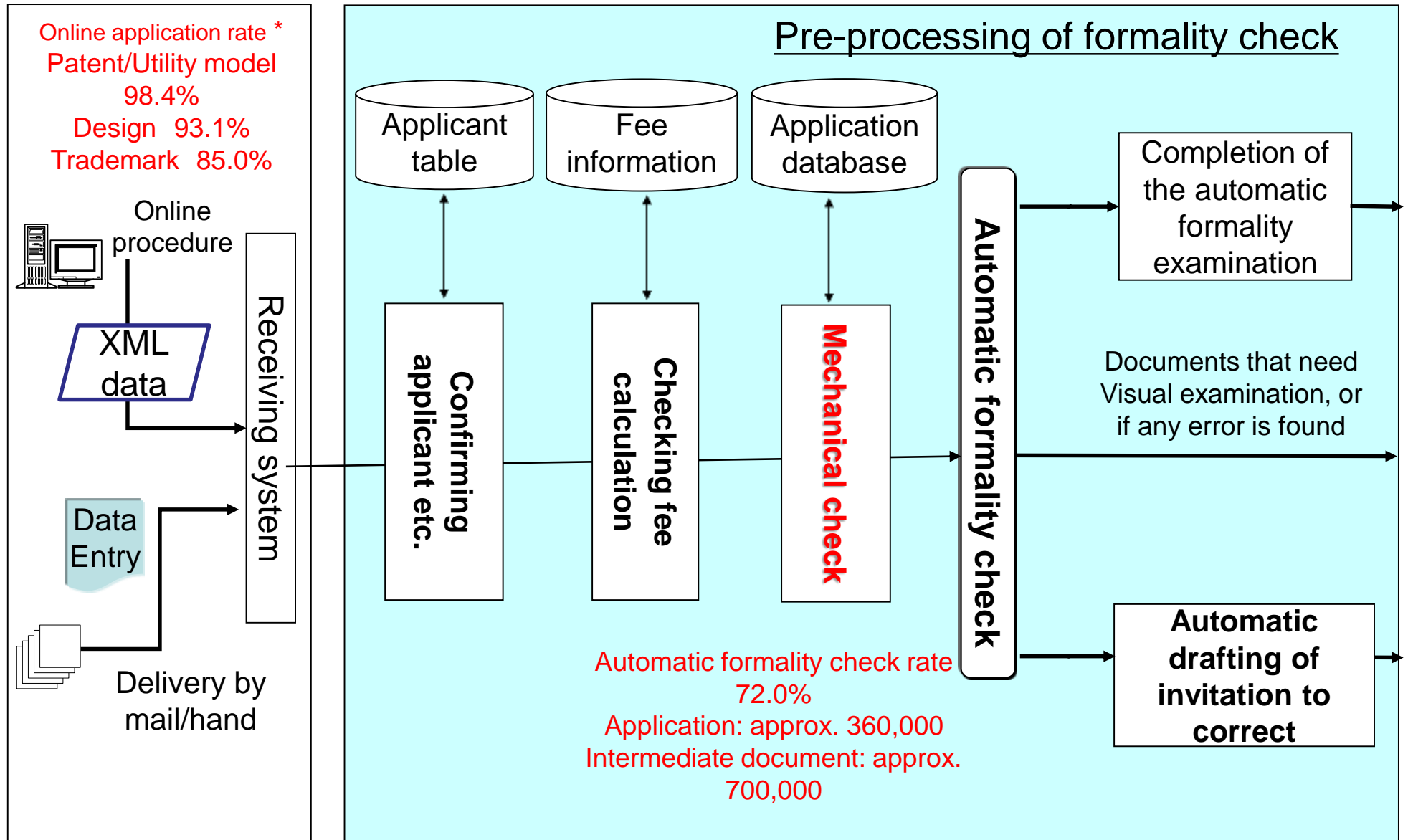
※ XMLization of documents would help the accuracy improvement of the Formality Examination

Overview of Formality Examination System

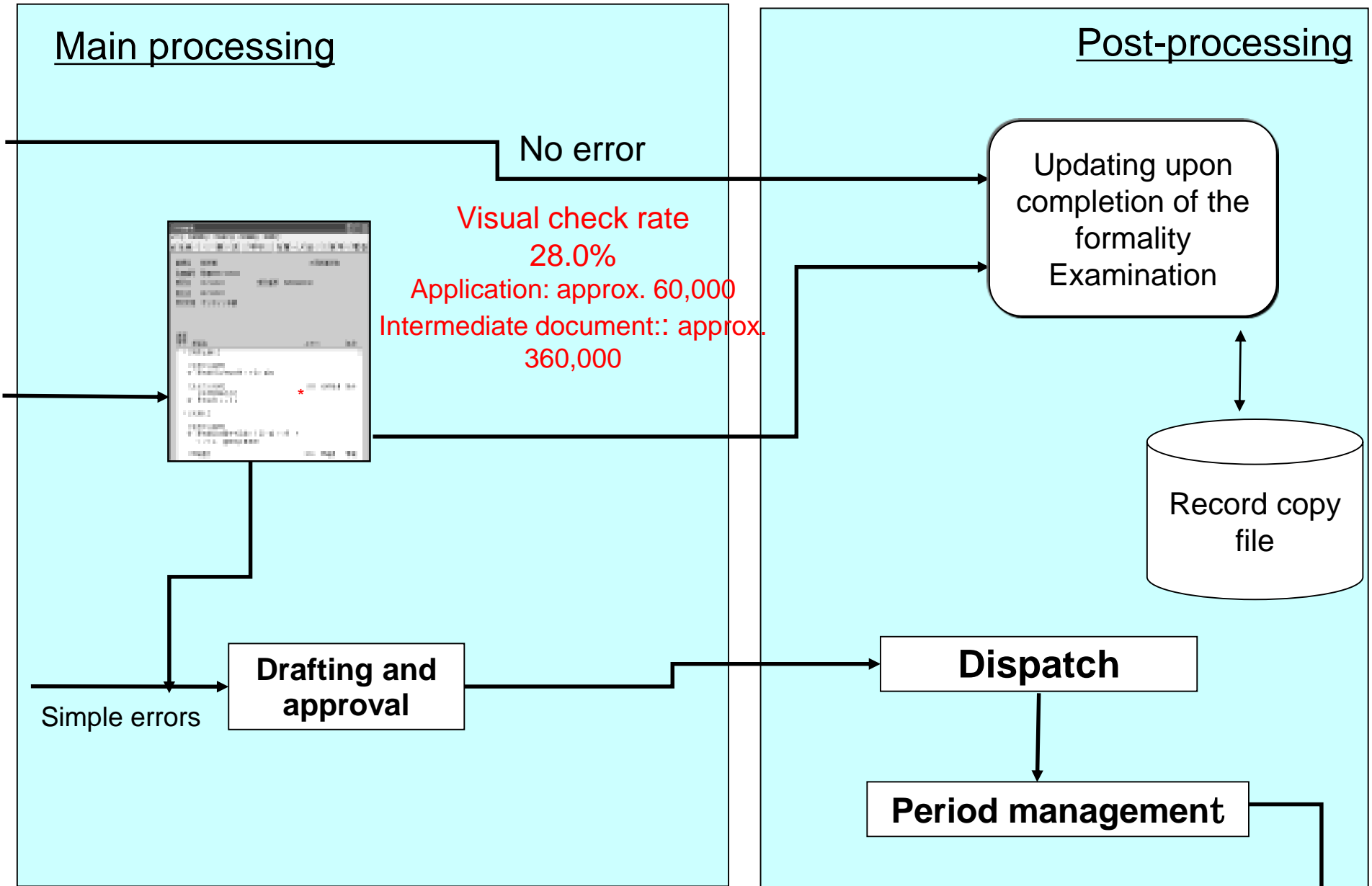
*As these are figures at the time of machine processing, they are different from those in the annual statistic



Overview of Formality Examination System



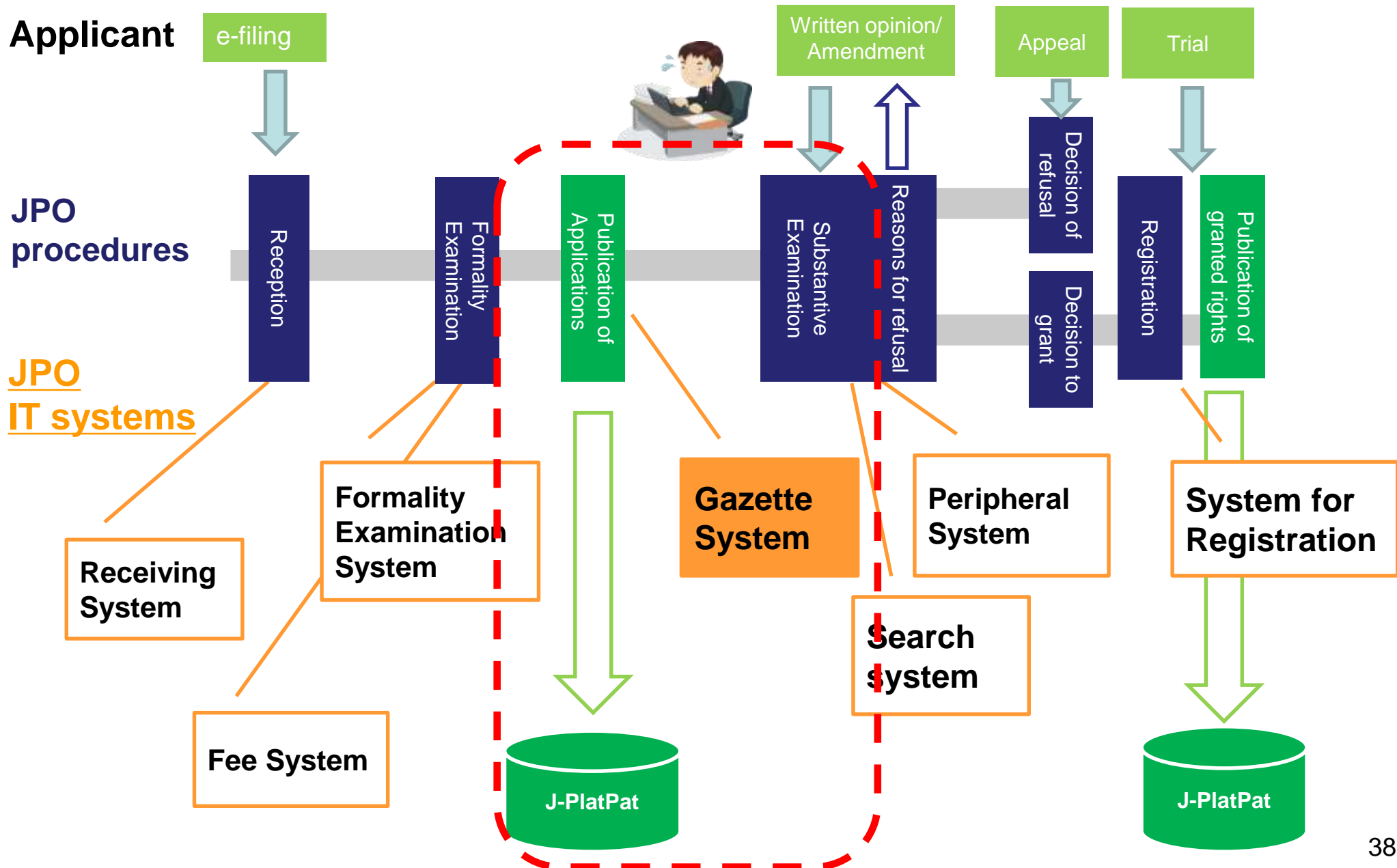
Overview of Formality Examination System



1. Outline of JPO Systems

- Receiving and Dispatch System
- Formality Examination System
- **Gazette Editing System**
- Public Dissemination
- Search System and Peripheral System

Outline of JPO Systems



■ What is the Gazette Editing System?

[Gazette Editing System]

The system which makes publication documents (Gazette) based on information of application documents

■ Why should these systems be computerized?

■ What are any advantages for computerizing?

[IPO Side]

- Need to manage a great number of publication documents every time
- Difficult to disseminate

[User Side]

- Need to manage a great number of publication documents
- Difficult to retrieve a target document (poor accessibility)

Gazette Editing System job image (outline)

IP Promotion Division

- Machine processing request
- Organizing request

Request

- Inspecting gazette medium
- Patent/utility model DVD-R
 - Design, Trademark, Appeal/trial CD-R

Delivery

- Machine processing request (after inspecting of medium)

Request

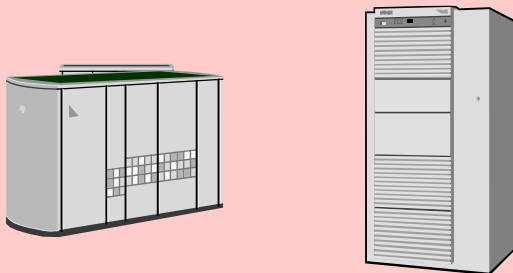
- Inspecting gazette in medium for upload
- Patent/utility model DVD-R
 - Design, Trademark, Appeal/trial CD-R

Delivery

Gazette uploading operations

Request

Gazette Editing System



Gazette server

- Receiving various data for gazette
- Organizing (deciding the number of issues)
- Automatic editing (XMLization)
- PDFization
- Preparing medium for gazette
- Archive processing (tar/zip)
- Preparing medium for gazette upload

Gazette issuance

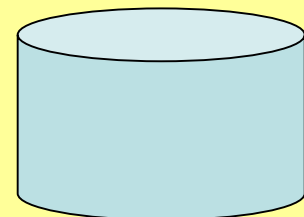
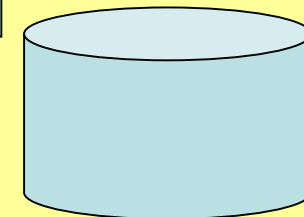
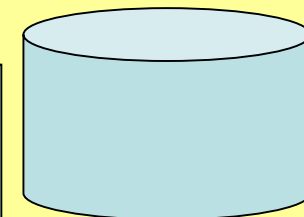
Internet gazette

Hosting server



Various data of extracted cases

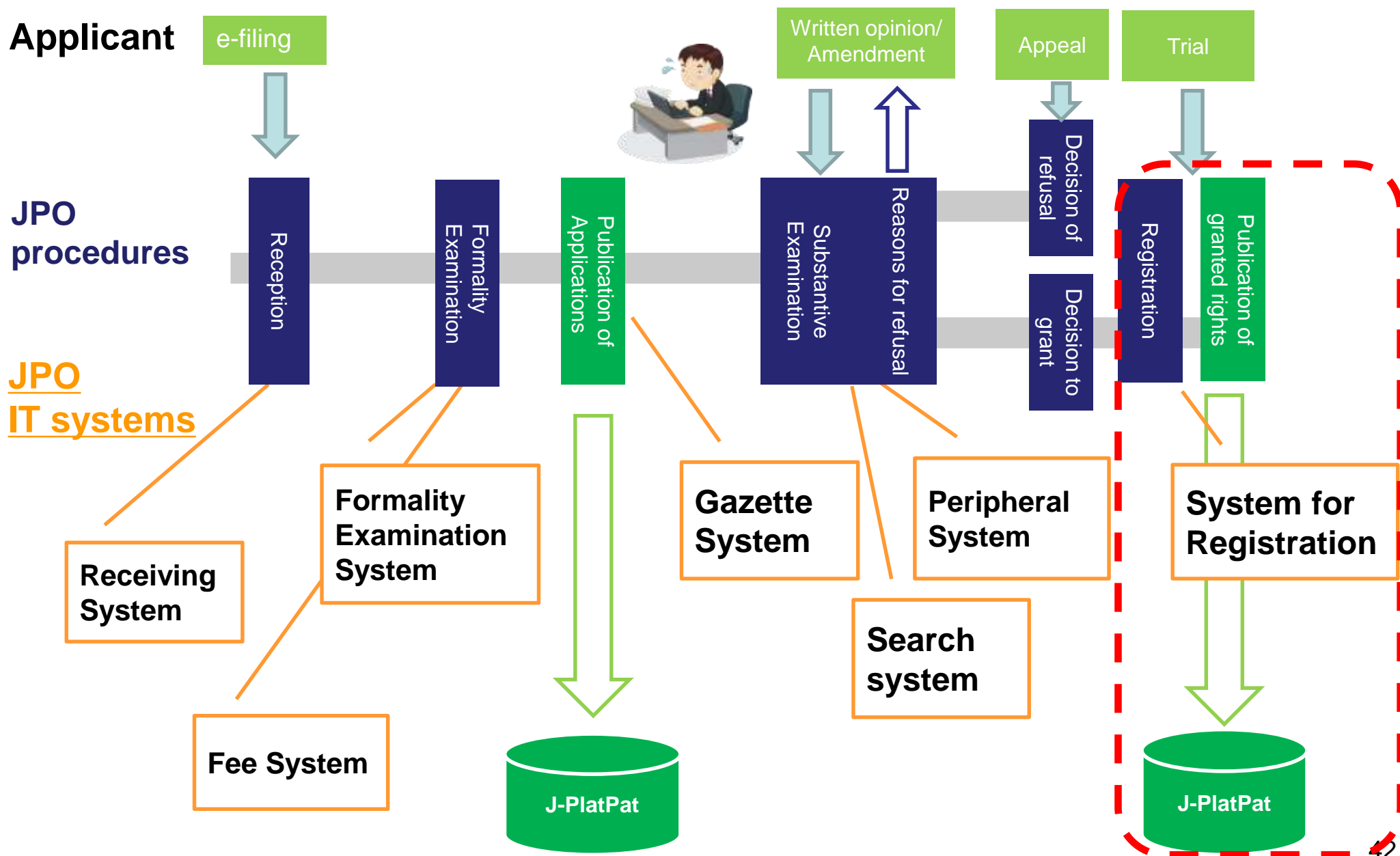
information from various systems



1. Outline of JPO Systems

- Receiving and Dispatch System
- Formality Examination System
- Gazette Editing System
- **Public Dissemination**
- Search System and Peripheral System

Outline of JPO Systems



■ What is the Public Dissemination?

[Public Dissemination]

The system which conveys patent information to users, e.g. companies, universities, research institutes, foreign applicants

- Why should these systems be computerized?
- What are any advantages for computerizing?

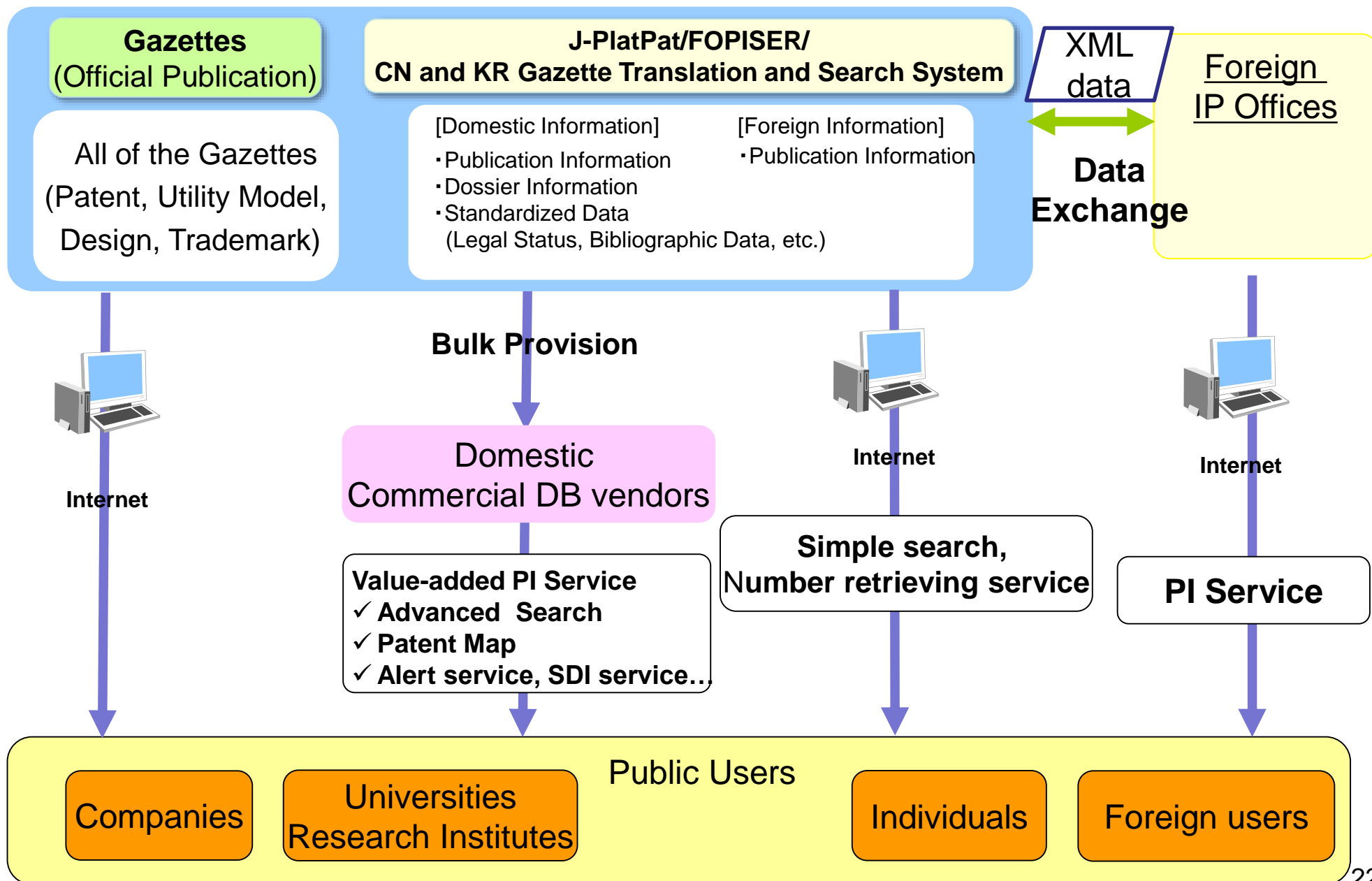
[IPO Side]

- There is a limit to convey information in paper

[User Side]

- Difficult to get a target information in paper, especially users in remote area

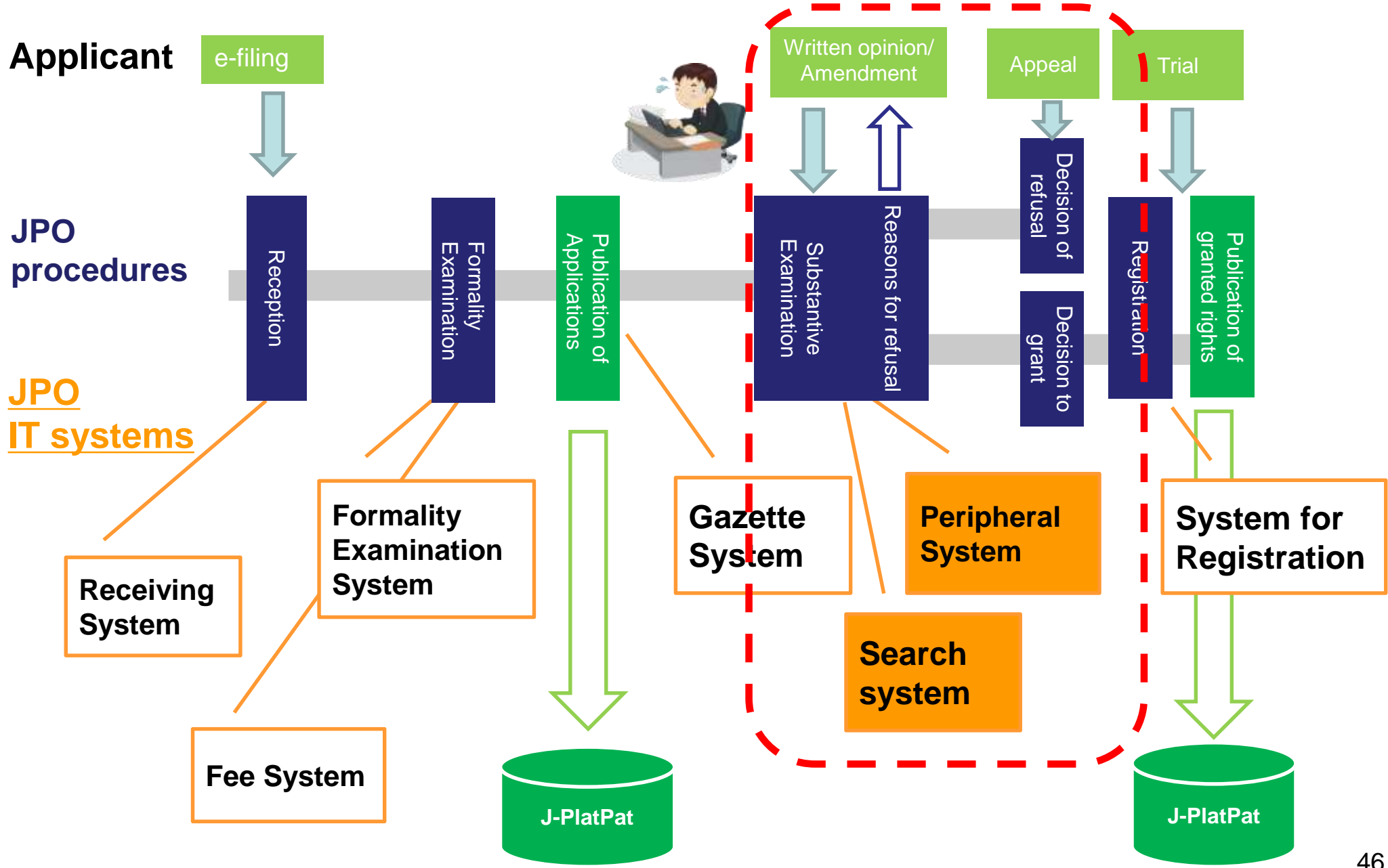
Framework of Public Dissemination of Data



1. Outline of JPO Systems

- Receiving and Dispatch System
- Formality Examination System
- Gazette Editing System
- Public Dissemination
- **Search System and Peripheral System**

Outline of JPO Systems



■ What is the Search System?

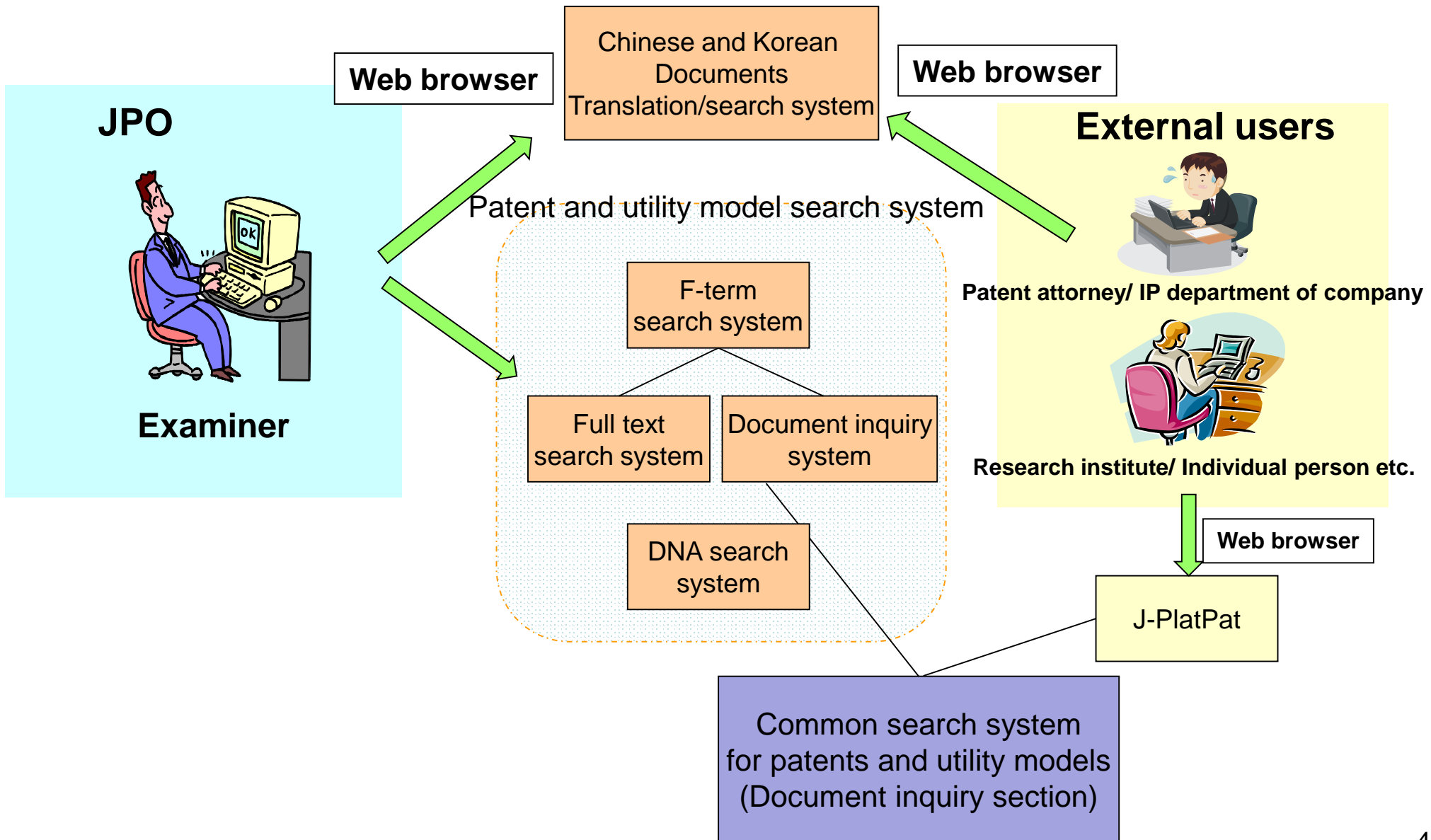
[Search System]

The system which examiners use for searching documents of prior art

- Why should these systems be computerized?
- What are any advantages for computerizing?

- Difficult to manage a great number of publication documents for searching
- Very inefficient for examiners to search in paper

Overview of patent & utility model search system



By computerization of documents

- ✓ A great number of applications can be processed at each phase
- ✓ Users can use various services on the web which the office provides

And more

- ✓ For processing a great number of applications efficiently
- ✓ For reducing the work of applicants and improving the convenience
- ✓ For exchanging data to the other offices

*XMLization of documents about incoming/outgoing is also important

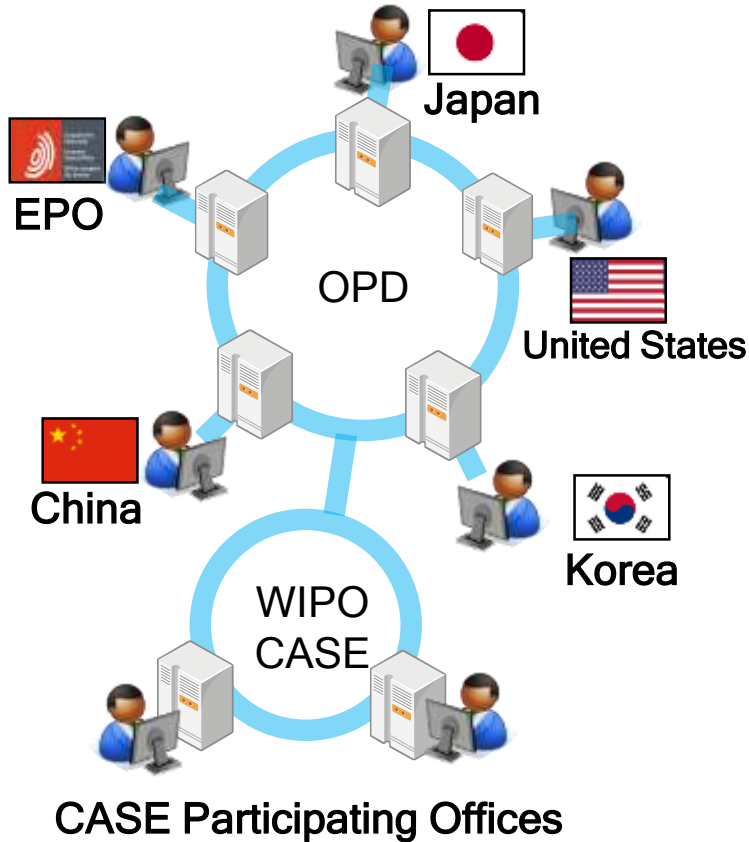
1. Basis of System Development

2. Outline of JPO System

3. One Portal Dossier Service

Utilization of Foreign Dossier Information

- ✓ JPO examiners retrieve foreign dossier information via One Portal Dossier (OPD).
- ✓ Workload of examination is reduced.
- ✓ Quality of examination can be improved by utilizing foreign Dossier Information.



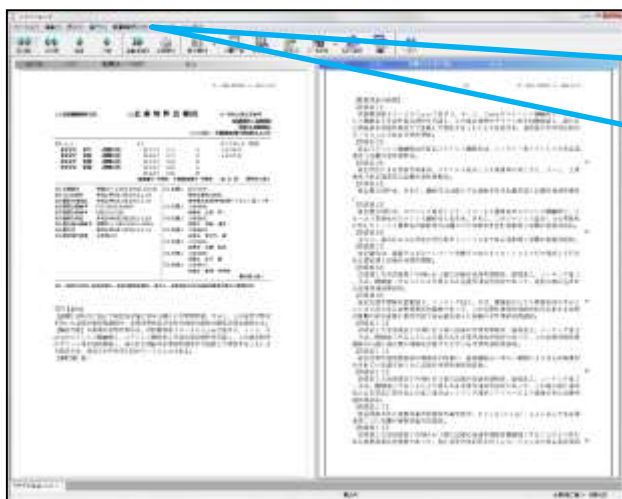
The screenshot shows the 'One Portal Dossier' web interface. The main heading is 'One Portal Dossier' with the Japanese text 'ワンポータル Dossier'. Below the heading, there are search filters and a table of results. The table has columns for '国コード' (Country Code), '出願番号' (Application No.), '公開番号' (Publication No.), '登録番号' (Registered No.), and '出願日' (Filing Date). The results are organized into four columns, each representing a different country: EP, US, KR, and CN. Each column contains a list of patent entries with their respective numbers and dates. Below the table, there are four tabs labeled 'EPO', 'USA', 'KOR', and 'CHN', each with a corresponding flag icon.

国コード	出願番号	公開番号	登録番号	出願日
EP	EP 100001 A	EP 100011 A1		2009-10-1
US	US 120001 A	US 564471 A1	US 564484 B1	2002-09-09
KR	KR 557091 A	KR 125549 A1	KR 126576 B1	2001-02-11
CN	CN 130002 A		CN 653322 B1	2005-10-14

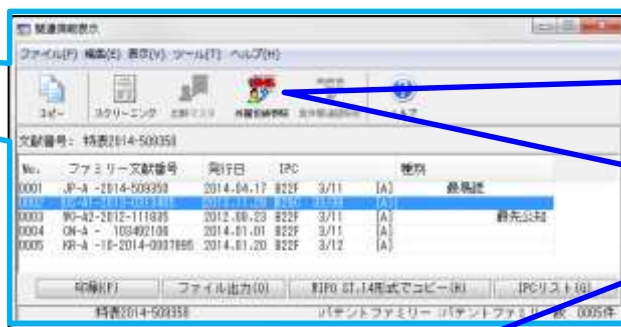
Global Dossier: Linkage to JPO's internal systems

- JPO has developed linkage between internal systems and the OPD.
- Usability for JPO's examiners is significantly improved.

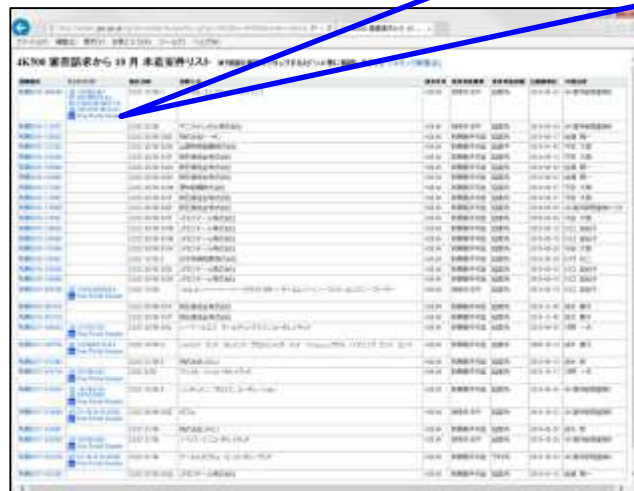
Various JPO's internal systems are linked to the OPD.



Search and View System



Application Management System
(List of Applications)



Examination Assistance System



Description of "One Portal Screen," a Main Screen of OPD at the JPO

Patent Family information at the JPO

Link to document reference screen for JP applications

Link to Patent Family information

Link to Classification & Citation information

照会条件	ファミリー (JP)			ファミリー件数	ファミリー一覧	分類・引用情報	照会番号入力	サービス時間／障害・メンテナンス情報	表示
出願番号	出願番号 JP 2012515167.A	出願日	2010-06-11	8	表示	表示	表示	DOCDBについて	解説
公開番号	公開番号 JP 2012530061.A	登録番号	-	書類グループ	ALL				

- Application numbers
- Publication numbers
- Registration numbers
- Filing dates

- Document List
- Document Content

ファミリー-1			ファミリー-2			ファミリー-3			ファミリー-4								
国コード	出願番号	公開番号	登録番号	出願日	書類名	国コード	出願番号	公開番号	登録番号	出願日	書類名	国コード	出願番号	公開番号	登録番号	出願日	書類名
EP	EP 1078885 A	EP 2440205 A4	-	2010-06-11	International publication of the A1 Pamphlet	US	US 81388210 A	US 2010317696 A1	US 8426445 B2	2010-06-11	Transmittal of New Application	KR	KR 20127000433.A	KR 20120038960 A	-	2010-06-11	[Patent Application] Paper according to the Article 203 of Patent Act
					2010-12-16	2010-06-11					2010-06-11					2012-01-06	Request for Amendment
					2010-12-16	2010-06-11					2010-06-11					2012-02-16	[Amendment of Application etc.] Amendment
					2011-01-10	2010-06-11					2010-06-11					2012-03-14	
					2011-10-21	2010-06-11					2010-06-11					2012-08-15	Invention Publication
					2011-12-28	2010-06-11					2010-06-11					2012-11-22	First search
					2011-12-29	2010-06-11					2010-06-11					2013-02-06	First Office Action(PCT)
					2011-12-30	2010-06-11					2010-06-11						
					2011-12-30	2010-06-11					2010-06-11						
					2011-12-30	2010-06-11					2010-06-11						

EPO Dossier Info.

USPTO Dossier Info.

KIPO Dossier Info.

SIPO Dossier Info.

Scenario 1:
want to investigate the
status of corresponding
patent family
application(s) subject to
the examination at the
foreign IP Office(s).



Access to search exam
information on (a) patent
family application(s) of the
national application(s)



1. Inquiry using an application
number / publication number
of the national application(s)

Scenario 2:
want to check the exam
result(s) of (a) foreign
patent document(s) cited
in a search report.



Access to search exam
information on the foreign
application(s)



2. Inquiry using an application
number / publication number
of the foreign application(s)

Scenario 3:
want to easily view
exam information of
the document(s) found
during a prior art
search.



Access from other system



3. Direct jump to OPD from
other system

Scenario 1: Inquiry by a National Application/Publication Number

One Portal Dossier
ワンポータルドossier

Can view the dossier information of EP, US, KR and CN

照会条件		ファミリー (JP)			
公開番号	出願番号	JP.2012515167.A	出願日	2010-06-11	書類照会画面
JP.2012530061.A	公開番号	JP.2012530061.A	登録番号	-	表示

ファミリー-1		ファミリー-2		ファミリー-3		ファミリー-4	
国コード	EP	国コード	US	国コード	KR	国コード	CN
出願番号	EP.10786885.A	出願番号	US.81388210.A	出願番号	KR.20127000433.A	出願番号	CN.201080033499.A
公開番号	EP.2440205.A4	公開番号	US.2010317696.A1	公開番号	KR.20120038960.A	公開番号	CN.102639133.A
登録番号	-	登録番号	US.8426445.B2	登録番号	-	登録番号	-
出願日	2010-06-11	出願日	2010-06-11	出願日	2010-06-11	出願日	2010-06-11

提出日	書類名	提出日	書類名	提出日	書類名	提出日	書類名
2010-12-16	International publication of the A1 Pamphlet	2010-06-11	Transmittal of New Application	2012-01-06	[Patent Application] Paper according to the Article 203 of Patent Act	2012-08-15	Invention Publication
2010-12-16	Copy of the international search report	2010-06-11	Specification	2012-02-16	Request for Amendment	2012-11-22	First search
2011-01-10	Priority document (electronically transmitted)	2010-06-11	Claims	2012-03-14	[Amendment of Application etc.] Amendment	2013-02-06	First Office Action(PCT)
2011-10-21	Information on entry into European phase	2010-06-11	Abstract				
2011-12-28	Notification of the recording of a change	2010-06-11	Drawings-other than black and white line drawings				
2011-12-29	Copy of the international preliminary report on patentability	2010-06-11	EFS Acknowledgment Receipt				
2011-12-30	Request for entry into the European phase	2010-06-11	Application Data Sheet				
2011-12-30	Amended claims filed	2010-06-11	Fee Worksheet (SB06)				

Scenario 2: Inquiry by a Foreign Application/Publication Number

http://one-portal-dossier-access.jpo.go.jp/Inquiry/Inquiry/GetFamily.do

One Portal Dossier
ワンポータルドシエ

One Portal Dossier

照会条件	ファミリー (JP)				ファミリー件数	ファミリー一覧	分類・引用情報	照会番号入力	サービス時間/ 障害・メンテナンス 情報
公開番号	出願番号	JP.2012515167.A	出願日	2010-06-11	8	<input type="button" value="表示"/>	<input type="button" value="表示"/>	<input type="button" value="表示"/>	<input type="button" value="表示"/>
US.2010317696.A1	公開番号	JP.2012530061.A	登録番号	-	書類照会画面				
					書類グループ ALL				
					DOCDBIについて <input type="button" value="解説"/>				

ファミリー 1	ファミリー 2	ファミリー 3	ファミリー 4
国コード EP	国コード US	国コード KR	国コード CN
出願番号 EP.10786885.A	出願番号 US.81388210.A	出願番号 KR.20127000433.A	出願番号 CN.201080033499.A
公開番号 EP.2440205.A4	公開番号 US.2010317696.A1	公開番号 KR.20120038960.A	公開番号 CN.102639133.A
登録番号 -	登録番号 US.8426445.B2	登録番号 -	登録番号 -
出願日 2010-06-11	出願日 2010-06-11	出願日 2010-06-11	出願日 2010-06-11

提出日	書類名	提出日	書類名	提出日	書類名	提出日	書類名
2010-12-16	International publication of the A1 Pamphlet	2010-06-11	Transmittal of New Application	2012-01-06	[Patent Application] Paper according to the Article 203 of Patent Act	2012-08-15	Invention Publication
2010-12-16	Copy of the international search report	2010-06-11	Specification	2012-02-16	Request for Amendment	2012-11-22	First search
2011-01-10	Priority document (electronically transmitted)	2010-06-11	Claims	2012-03-14	[Amendment of Application etc.] Amendment	2013-02-06	First Office Action(PCT)
2011-10-21	Information on entry into European phase	2010-06-11	Abstract				
2011-12-28	Notification of the recording of a change	2010-06-11	Drawings-other than black and white line drawings				
2011-12-29	Copy of the international preliminary report on patentability	2010-06-11	EFS Acknowledgment Receipt				
2011-12-30	Request for entry into the European phase	2010-06-11	Application Data Sheet				
2011-12-30	Amended claims filed after	2010-06-11	Fee Worksheet (SB06)				

Scenario 3: Direct jump to OPD from other system (Access from Cluster Search System)

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照会条件	ファミリー (JP)			ファミリー件数	ファミリー一覧	分類・引用情報	照会番号入力	サービス時間/ 障害・メンテナンス 情報	表示
出願番号	出願番号	JP 2012515187 A	出願日	2010-06-11	書類照会画面				
US.81388210.A	公開番号	JP 2012530061 A	登録番号	-	表示			DOCDBについて	解説

ファミリー 1		ファミリー 2		ファミリー 3		ファミリー 4	
国コード	EP	国コード	US	国コード	KR	国コード	CN
出願番号	EP 10786885.A	出願番号	US 81388210.A	出願番号	KR 20127000433.A	出願番号	CN 201080033499.A
公開番号	EP 2440205.A4	公開番号	US 2010317696.A1	公開番号	KR 20120038960.A	公開番号	CN 102639133.A
登録番号	-	登録番号	US 8426445.B2	登録番号	-	登録番号	-
出願日	2010-06-11	出願日	2010-06-11	出願日	2010-06-11	出願日	2010-06-11

提出日	書類名	提出日	書類名	提出日	書類名	提出日	書類名
2010-12-16	International publication of the A1 Pamphlet	2010-06-11	Transmittal of New Application	2012-01-06	[Patent Application] Paper according to the Article 203 of Patent Act	2012-08-15	Invention Publication
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2011-12-28	Notification of the recording of a change	2010-06-11	Drawings-other than black and white line drawings				
2011-12-29	Copy of the international preliminary report on patentability	2010-06-11	EFS Acknowledgment Receipt				
2011-12-30	Request for entry into the European phase	2010-06-11	Application Data Sheet				
2011-	Amended claims filed aft	2010-06-11	Fee Worksheet (SB06)				

Enlarged View of Document List

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印刷 閉じる

ファミリー			
国コード		EP	
出願番号	EP.10786885.A	出願日	2010-12-16
公開番号	EP.2440205.A4	登録番号	
発明の名称	METHODS OF TREATING PATIENTS WITH EPIDEMIOLOGICAL DISEASES		
出願人名	United Therapeutics Corporation		

Document List

Document Group

Link to Document Contents

提出日	書類名	書類グループ	
2010-12-16	International publication of the A...	unknown	原文
2010-12-16	Copy of the international search report	Notes/Search Citations Classifications	原文
2011-01-10	Priority document (electronically transmitted)	unknown	原文
2011-10-21	Information on entry into European phase	Outgoing	原文
2011-12-28	Notification of the recording of a change	unknown	原文
2011-12-29	Copy of the international preliminary report on patentability	Outgoing Final Action Citations	原文
2011-12-30	Request for entry into the European phase	Incoming	原文
2011-12-30	Amended claims filed after receipt of (European) search report	unknown	原文
2011-12-30	(Electronic) Receipt	unknown	原文
2012-02-02	Communication regarding possible amendment of the application/payment of claims fe	unknown	原文
2012-03-21	Notification on forthcoming publication of bibliographic data	Outgoing	原文
2012-07-30	Amendments received before examination	Incoming	原文
2012-07-30	Amended claims filed after receipt of (European) search report	unknown	原文

Selecting Document Group



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Can select Document Group (default setting: ALL)

検索条件

出願番号	JP.2012515167.A
公開番号	JP.2012530000

ファミリー (JP)

ファミリー件数	8
ファミリー一覧	表示
分類	表示
照会番号入力	表示

サービス時間 / 障害・メンテナンス情報

DOCDBについて

Document Group List

- 4 Incoming
- ALL
- 1: Application
- 2: Outgoing
- 3: Disclosures
- 4: Incoming
- 5: Notes
- 21: First
- 22: Inter
- 23: Final
- 101: Cit
- 102: Classifications unknown

List of Document Group. Color-coded by types of documents.

Documents with the selected group displayed

Document column

提出日	書類名	提出日	書類名	提出日	書類名	提出日	書類名
2011-12-30	Request for entry into the European phase	2010-06-11	Transmittal of New Application	2012-03-14	[Amendment of Application etc.] Amendment		
2012-07-30	Amendments received before examination	2010-06-11	Specification				
		2010-08-10	Applicant Response to Pre-Exam Formalities Notice				
		2010-08-13	Foreign Reference				
		2011-02-15	Foreign Reference				
		2011-05-09	Foreign Reference				
		2011-05-09	Foreign Reference				
		2011-	Foreign Reference				

Reference to Document Contents

Browser: http://one-portal-dossier-access.jpo.go.jp/Inquiry/Inquiry/GetFamily.do

Page Title: Patent Dossier

Application No: KR.20127000433.A
 Title: Request for Amendment
 Filing Date: 2012.03.16

Applicant: UNITED THERAPEUTICS CORPORATION(5-1999-017443-2)
 Agent: Yeong-Jun Yang(9-1998-000361-9)

Application No: 10-2012-7000433(document under Article 203 of Patent Act due date: 2012.01.06)

Request for Amendment

Family 3: KR.20127000433.A, KR.20120038960.A
 Family 4: CN.201080033499.A, CN.102639133.A

Documents:

Application Paper	原文	2012-03-16
Request for Amendment	原文	2012-03-16
Request for Amendment	英訳	2012-03-16
First Office Action(PCT)	原文	2013-02-06
First Office Action(PCT)	英訳	2013-02-06

Translated documents displayed

Information on entry into the European phase (2011-10-21) 原文

Notification of the recording of a change (2011-12-28) 原文

Copy of the international preliminary report on patentability (2011-12-29) 原文

Request for entry into the European phase (2011-12-30) 原文

Amended claims filed after (2011-03-14) on etc.] Amendment

Abstract (2010-06-11) 原文

Drawings-other than black and white line drawings (2010-06-11) 原文

EFS Acknowledgment Receipt (2010-06-11) 原文

Application Data Sheet (2010-06-11) 原文

Fee Worksheet (SB06) (2010-06-11) 原文



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照会条件	ファミリー (JP)			ファミリー件数	ファミリー一覧	分類・引用情報	照会番号入力	サービス時間/ 障害・メンテナンス 情報	表示
公開番号	出願番号	JP.2012515167.A	出願日	2010-06-11	書類照会画面				
JP.2012530061.A	公開番号	JP.2012530061.A	登録番号	-	表示				
						書類グループ	ALL	DOCDBIについて	解説

ファミリー-1		ファミリー-2		ファミリー-3		ファミリー-4	
国コード	US	国コード	US	国コード	-	国コード	-
出願番号	US.81388210.A	出願番号	US.201313761583.A	出願番号	-	出願番号	-
公開番号	US.2010317696.A1	公開番号	US.2013150405.A1	公開番号	-	公開番号	-
登録番号	US.8426445.B2	登録番号	-	登録番号	-	登録番号	-
出願日	2010-06-11	出願日	2013-02-07	出願日	-	出願日	-
提出日	書類名	提出日	書類名	提出日	書類名	提出日	書類名
2010-06-11	Transmittal of New Application	2013-02-07	Transmittal of New Application				
2010-06-11	Specification	2013-02-07	Specification				
2010-06-11	Claims	2013-02-07	Claims				
2010-06-11	Abstract	2013-02-07	Abstract				
2010-06-11	Drawings-other than black and white line drawings	2013-02-07	Drawings-other than black and white line drawings				
2010-06-11	EFS Acknowledgment Receipt	2013-02-07	Application Data Sheet				
2010-06-11	Application Data Sheet	2013-02-07	Transmittal Letter				
2010-06-11	Fee Worksheet (SB06)	2013-02-07	Information Disclosure Statement (IDS) Form (SB)				

Dossier information of selected family applications

Link to classification & citation information



Classification & Citation Information

<表示設定>

分類一括開く 分類一括閉じる
引用一括開く 引用一括閉じる

<出願番号>

※をクリックして公開/登録番号を表示

EP.10786885.A
US.201313761583.A
US.81388210.A
KR.20127000433.A
CN.201080033499.A

Application numbers of family applications. Numbers of related gazettes can be also displayed.

<分類・引用情報>

出願番号	公開番号	登録番号
EP.10786885.A	EP.2440205.A1	-

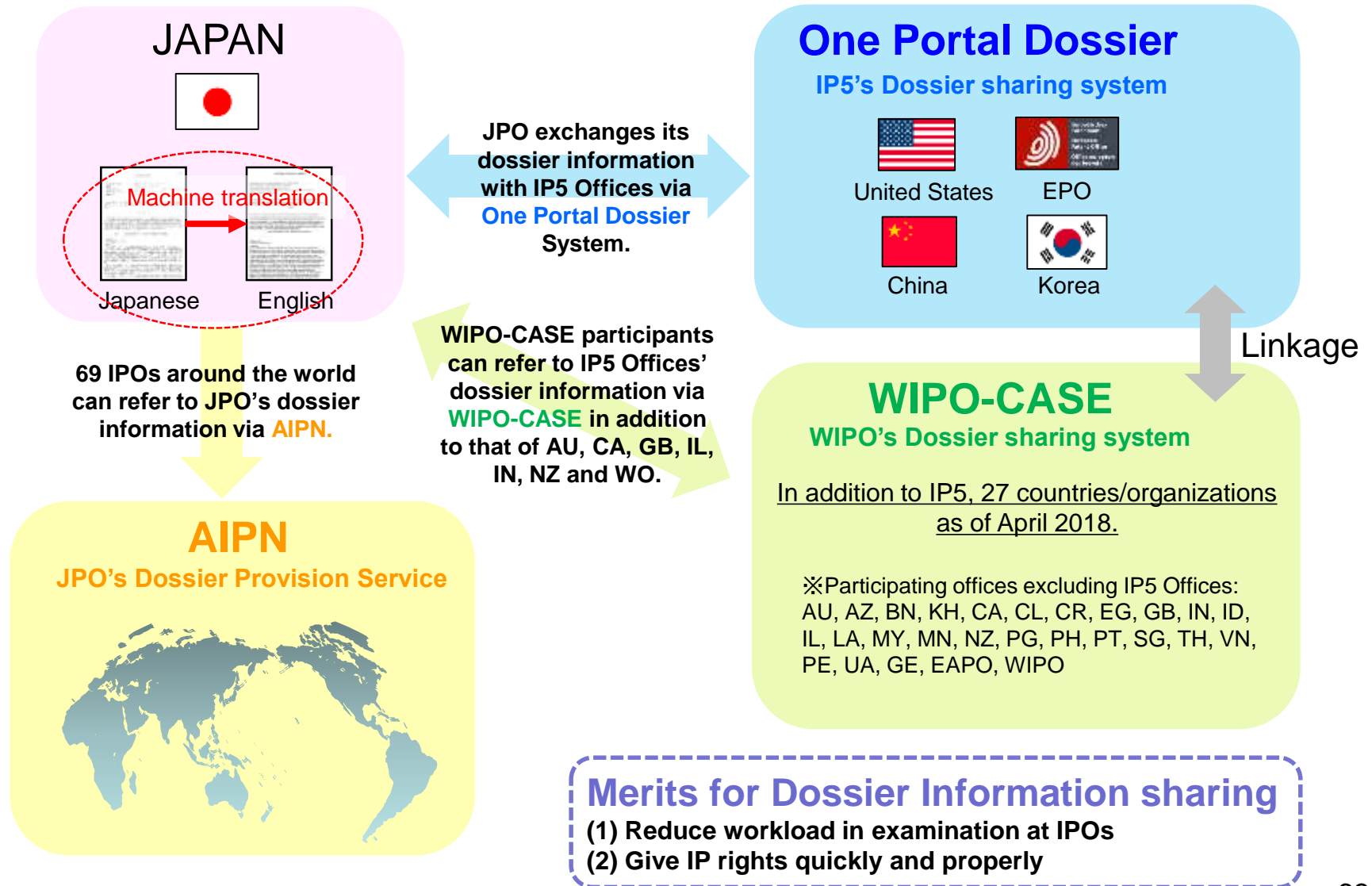
分類情報	
IPC	オリジナル
A61K31/445	A61K31/445
A01N43/40	CPC
A61P31/12	

Classification information. IPC and non-IPC can be displayed.

引用情報						
項番	カテゴリ	公開番号	形式	公知日	引用箇所	請求項
1	XP	WO.2010027996.A1	docdb	-	-	-
2	E	WO.2010109330.A2	docdb	-	-	-
3	X	WO.2006077427.A2	docdb	-	-	-
項番	カテゴリ	非特許文献		引用箇所	請求項	
1	Y	MEHTA ANAND ET AL: "Imino sugars that are less toxic but more potent as antivirals, in vitro, compared with N-n-nonyl DNJ", ANTIVIRAL CHEMISTRY & CHEMOTHERAPY, BLACKWELL SCIENTIFIC PUBL., LONDON, GB, vol. 13, no. 5, 1 September 2002 (2002-09-01), pages 299-304, XP009154285, ISSN: 0956-3202				

Document information which has been cited.

Provision of JPO's search/examination results (Dossier Information)



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 - ✓ For reducing the redundant search and improving the efficiency by providing them
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- **The interface of the JPO-OPD system is devised in detail**
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