3.1 Description of the File List

This section describes the File List and the relationship of upper and lower level of each file.

3.1.1 File List

See Appendix 3.1.
Also, see "3.4 Others".

3.1.2 Relationship of upper and lower level of each file

Each master consists of one or more files.
See Attachment 3.2 for the relationship between upper and lower level of the files.

3.2 Data Items

This section describes File Specifications.

3.2.1 Description of each item of the files

Number	Item name (logical name)	Item name (physical name)	Primary key	Logical data type		Code INDEX	Remarks
				Type	Digit number		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(1) Describe serial number given for each item

(2) Describe name of item with logical name

(3) Describe name of item with physical name

(4) Describe "✓" when an item is assigned as primary key

(5) Describe logical data type of item. For example, describe "Japanese", "Alphanumeric characters", "Integer", "Real number", "Date", "Binary" etc.

(6) Describe digit number of item. Describe the value on display instead of the internal storage size.

(7) Describe "Code INDEX" of Code Table corresponding to each item.

(8) Describe remarks, if any.

3.2.2 File Specifications

See Appendix 3.3.

3.3 Update Method

There are "Updated Data File" and "Deleted Data File". Specifications of these two files are below.

3.3.1 Updated Data File

Updated Data File is an output of updated record for each file. Its file format is TSV format in which item name (physical name) is a header row. For items in each file, see to "3.2.2 File Specifications."

A sample of TSV file to be provided is shown below.

law_cd	app_num	opp_num	oi_delete_flg	oici_delete_flg	oici_opp_dt	oiop_delete_flg	oiop_opp_decision_content
1	2025000001	1	0	0	20251109	0	0
1	2025000010	1	0	0	20251109	0	0
2	2025000011	1	0	0	20251109	0	0
2	2026000020	1	0	0	20251109	0	0
2	2026000022	1	0	0	20251109	0	0

TSV file image of Updated Data File

3.3.2 Deleted Data File

Deleted Data File is an output of information which is regarded as being canceled in JPO. Key information of output and deletion flag are provided in Deleted Data File. Its file format is TSV format in which item name (physical name) is a header row. For items in each file, see to "3.2.2 File Specifications."

A sample of TSV file to be provided is shown below.

law_cd	app_num	opp_num	oi_delete_flg	oici_delete_flg	oici_opp_dt	oiop_delete_flg	oiop_opp_decision_content
1	2025000001	1	Y	Y			
1	2025000010	1	Y	Y			
2	2025000011	1	Y	Y			
2	2026000020	1	Y	Y			
2	2026000022	1	Y	Y			

TSV file image of Deleted Data File

3.3.3 Remarks to be noted on Updated and Deleted Data Files

3.3.3.1 Updated Data File

Updated Data File is provided on a daily and weekly basis. However, when data on the same application is updated within a week in the weekly data, the latest data is provided.

3.3.3.2 Deleted Data File

Deleted Data File is provided on a daily and weekly basis. However, when data on an application is canceled and then data on the same application is also updated, both Updated Data File and Deleted Data File of the application are provided. Therefore, it is necessary to reflect the Updated Data File after the Deleted Data File is reflected in order to update information of the same application.

3.3.3.3 Update and deletion

1. Bulk data type

Bulk data contains "Updated Data" which notifies an updated information on each master and "Cancelled Data" which is used for cancelling the disclosed information by each case.

2. Contents of each bulk data
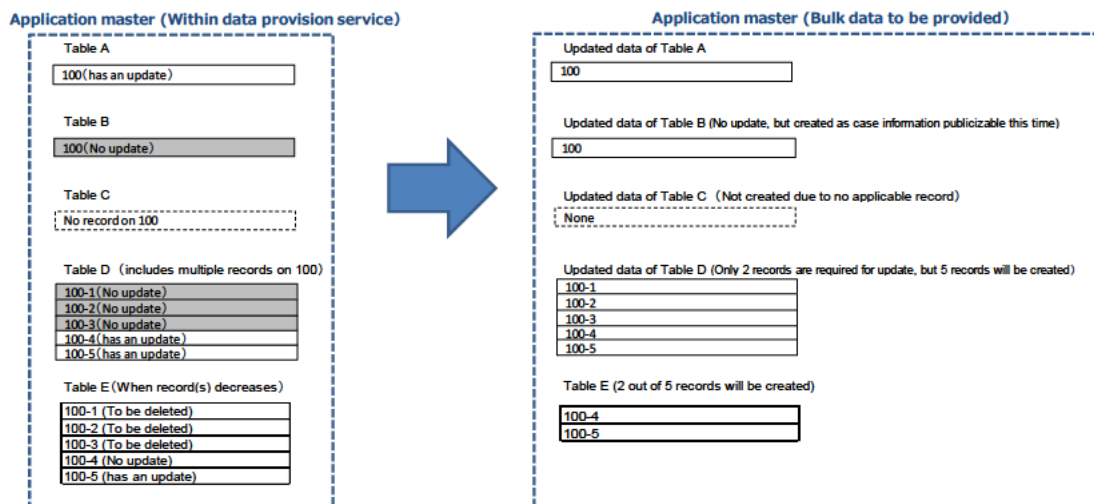
(1) Updated Data

Updated Data sends all the table information linked to a case once it became publicizable.

Bulk data includes a series of the latest information of that day.

Taking the mentioned above into consideration, once the user received the updated information, he/she needs to replace with it after deleting the recordsidentified with a case-identifying key.

With regard to deletion, the user requires to delete the corresponding records related to the upper level table and the lower level table also as shown in the deleted data mentioned below.

Application master (Within data provision service)

Table A
100(has an update)

Table B
100(No update)

Table C
No record on 100

Table D （includes multiple records on 100）
100-1(No update)
100-2(No update)
100-3(No update)
100-4(has an update)
100-5(has an update)

Table E（When record(s) decreases）
100-1 (To be deleted)
100-2 (To be deleted)
100-3 (To be deleted)
100-4 (No update)
100-5 (has an update)

Application master (Bulk data to be provided)

Updated data of Table A
100

Updated data of Table B (No update, but created as case information publicizable this time)
100

Updated data of Table C （Not created due to no applicable record）
None

Updated data of Table D (Only 2 records are required for update, but 5 records will be created)
100-1
100-2
100-3
100-4
100-5

Table E (2 out of 5 records will be created)
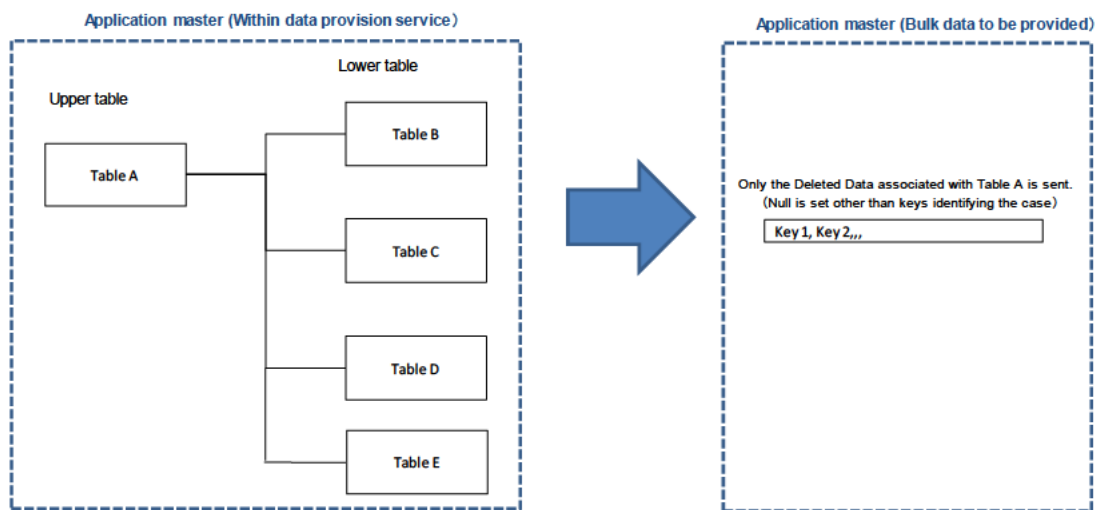100-4
100-5

(2) Cancelled Data

Cancelled data is sent when cancelling the provided information.

On the other hand, the relationship between upper and lower level of the files is defined among the tables of each master （*1）. Only the deleted data of upper table is included in Bulk Data （*2）.

Taking the relationship between upper and lower level of the files into consideration, once the user received the deleted data of upper table, he/she needs to do a deletion for the lower table.

*1) For details of the relationship between upper and lower level of the files, refer to "Annex 3.2".
*2) With regard to the deleted data, null is set other than the "case-identifying key" item.

Application master (Within data provision service）

Upper table

Lower table

Table A	

Table B

Table C

Table D

Table E

Application master (Bulk data to be provided)

Only the Deleted Data associated with Table A is sent.
(Null is set other than keys identifying the case)

Key 1, Key 2,,,

3.4 Others

3.4.1 Differentiation between "New Application" and "Old Application"

JPO started a paperless system in July 1984. JPO also started reception of electronic application while continued reception of previous paper application in patent and utility model in July 1993. From that time, digitizing system of formality examination has been started.

In relation to the system revision above, we call an application whose document is digitized as "New Application." We also call an application whose document is not digitized and has only the master information as "Old Application."

Applicant information for New Application is included in the Applicant registration information file (appl_reg_info) and applicant information for Old Application is included in the ABC information file (abc_cd_info).

New Application and Old Application can be distinguished by application number (i.e. year and number) and categories of four law. Also there can be files that are separated, depending on New Application and Old Application.

The scopes of New Application and Old Application are described in table below. For the files that are stored differently between New Application and Old Application, see "3.2.2 File Specifications."

Scopes of New Application and Old Application

Legal Area	Application year	Application Category	Type of Application	Application number
Patent	Before 1989	Domestic Application	Old Application	000001~499999
		PCT		500001~599999
		Patent Term Extension		700001~799999
	1990	Domestic Application	Old Application	000001~399999
			New Application	400001~499999
		PCT	Old Application	500001~599999
		Patent Term Extension		700001~799999
	1991 to 1999	Domestic Application	New Application	000001~499999
		PCT	Old Application	500001~599999
		Patent Term Extension		700001~799999
	After 2000	Domestic Application	New Application	000001~499999
		PCT		500001~599999
		Patent Term Extension	Old Application	700001~799999
Utility Model	Before 1989	Domestic Application	Old Application	000001~499999
		PCT		600001~699999
	1990	Domestic Application	Old Application	000001~399999
			New Application	400001~499999
		PCT	Old Application	600001~699999
	1991 to 1999	Domestic Application	New Application	000001~499999
		PCT	Old Application	600001~699999
	After 2000	Domestic Application	New Application	000001~499999
		PCT		600001~699999
Design	Before 1996	Domestic Application	Old Application[*1]	All
	1997		((before operation)	000001~050000
			Old Application[*1] (after operation)	050001~999999
	1998 to 1999			All
	After 2000		New Application	All
Trademark	Before 1996	Domestic Application	Old Application[*2] (before harmonization)	All
	1997			000001~100000
			Old Application[*2] (after harmonization)	100001~699999
			Old Application (update)	700001~750000
			Old Application (Defensive mark update)	750001~799999
	1998 to 1999		Old Application[*2] (after harmonization)	000001~
			Old Application (reclassification)	500001~
			Old Application(Defensive mark)	700001~
	After 2000		New Application	All

*1: In "after operation", applicant data in old application is used same as the new application.

*2: In "after harmonization", applicant data in old application is used same as the new application.