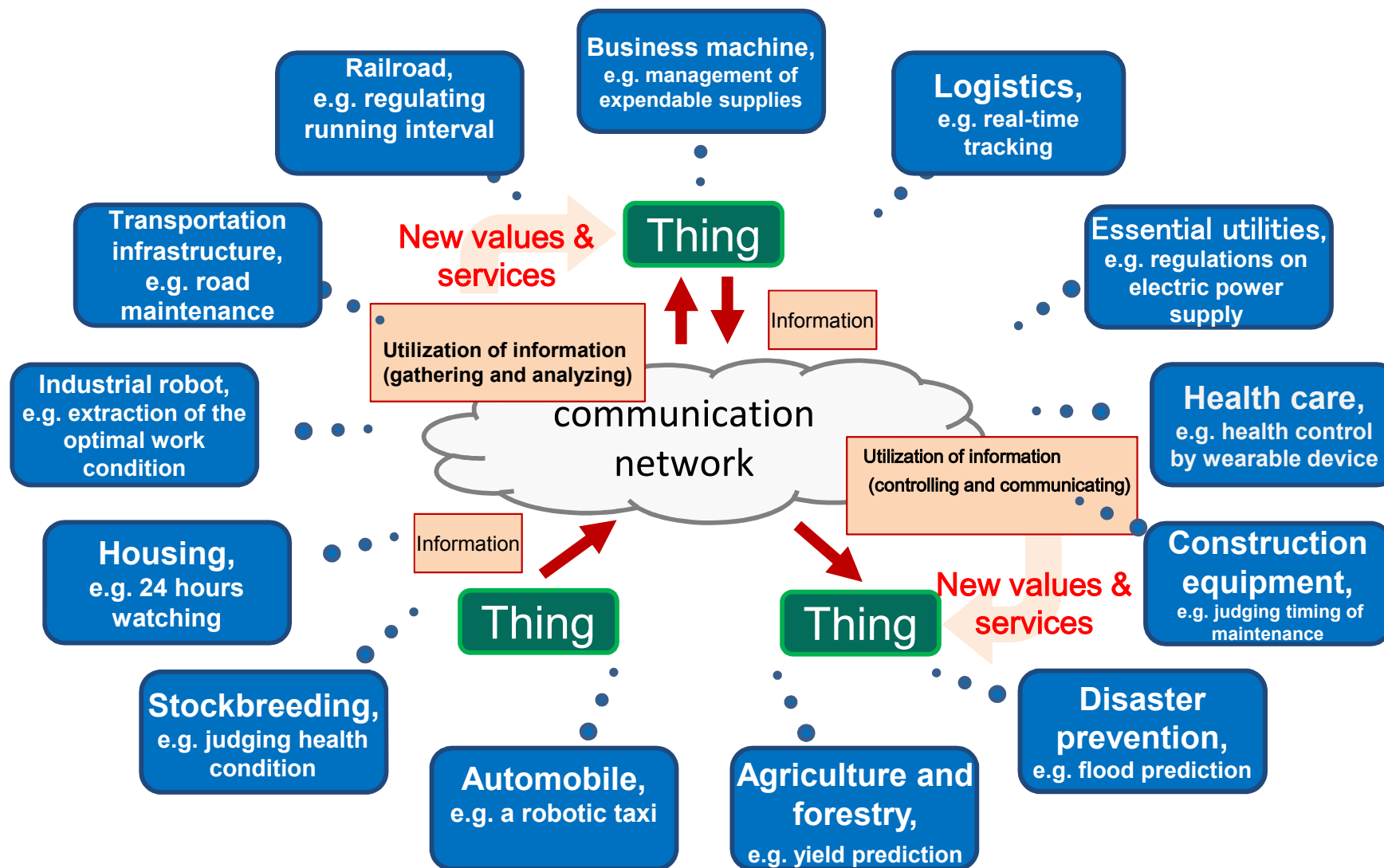


Establishment of a New Classification regarding IoT (Internet of Things)

Feb 2017

JAPAN PATENT OFFICE

R&D and Application to business of the IoT(Internet of Things), i.e. “technology of creating new values and services through utilization of information collected by connecting things with network” are rapidly advancing.



IoT

- Cross-cutting technology
- Concept is vague and a broad sense
- Difficult to predict fully promising and applied areas

IPC,FI and CPC system is not enough

- Comprehensive cross-cutting prior art search of IoT
- Catch up technical trend of IoT

All IP Offices and Industrial sector need a new classification regarding IoT as soon as possible

JP has a national classification Facet in addition to FI and F-term

- Facet covers all field of FI(A section to H section) or the part of the fields of FI, e.g. plural of subclass or plural of group. Facet is able to set the coverage area larger than F-term
- The Facet enables to prior art search of viewpoint differing from that in FI and F-term

Symbol of Broad Facet

- Three Alphabet symbols
- Leftmost symbol is “Z”
- JP has 13 Broad Facets except a new patent classification regarding Internet of Things(IoT)

New Broad Facet

- JP established a new Facet **ZIT** regarding IoT in **Nov 2016** and started to classify the Facet into Japanese patent documents
- JP is planning to **subdivide of ZIT** in **April 2017**

A New Classification regarding IoT

Symbol:	ZIT
Applicable Area:	All
Main Aim:	Identify new patent application regarding IoT and enable a comprehensive search
Title:	Internet of Things[IoT], i.e. technique of creating new values and services through utilization of information collected by connecting things with network.
Note(s)	In this facet, the following term with the meaning: “creating new values and services” means generating new information by use of the collected information and then provision or utilization of the new information

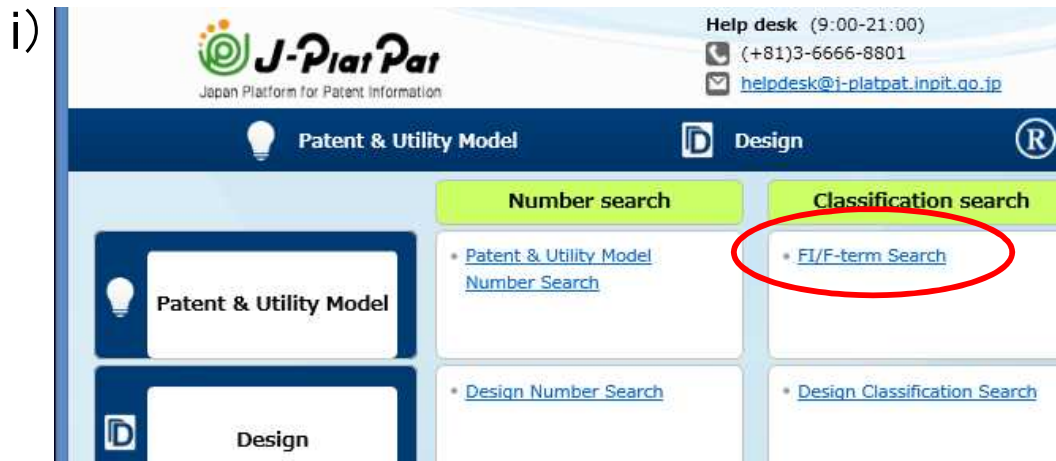
Target:

- New filing patent applications
- Granted patent applications analyzed by JPO patent examiner
- Intellectual classification of some of backfiles under consideration

About 0.65% of granted patent applications classified into ZIT since end of Dec 2016

How to find ZIT-allocated Document?

J-PlatPat has a function of Classification search

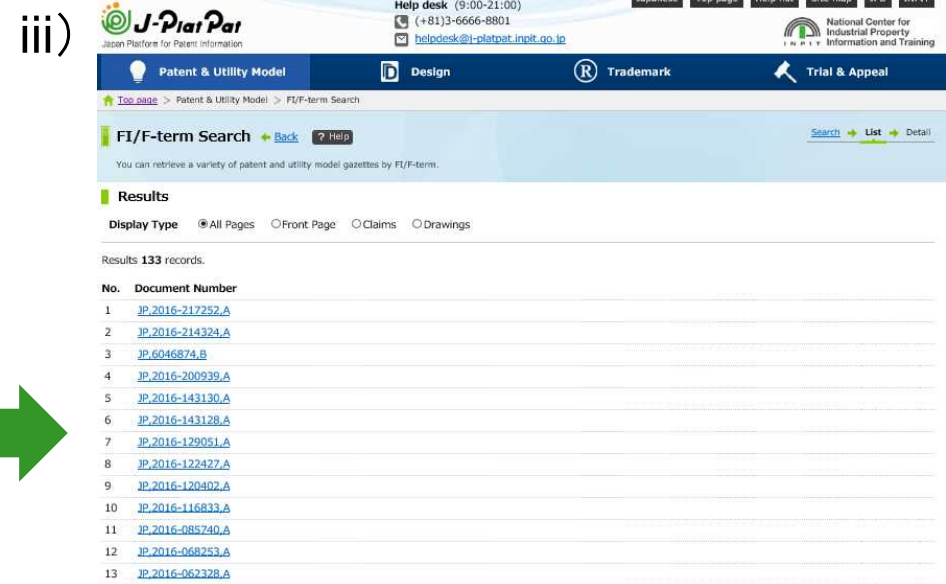
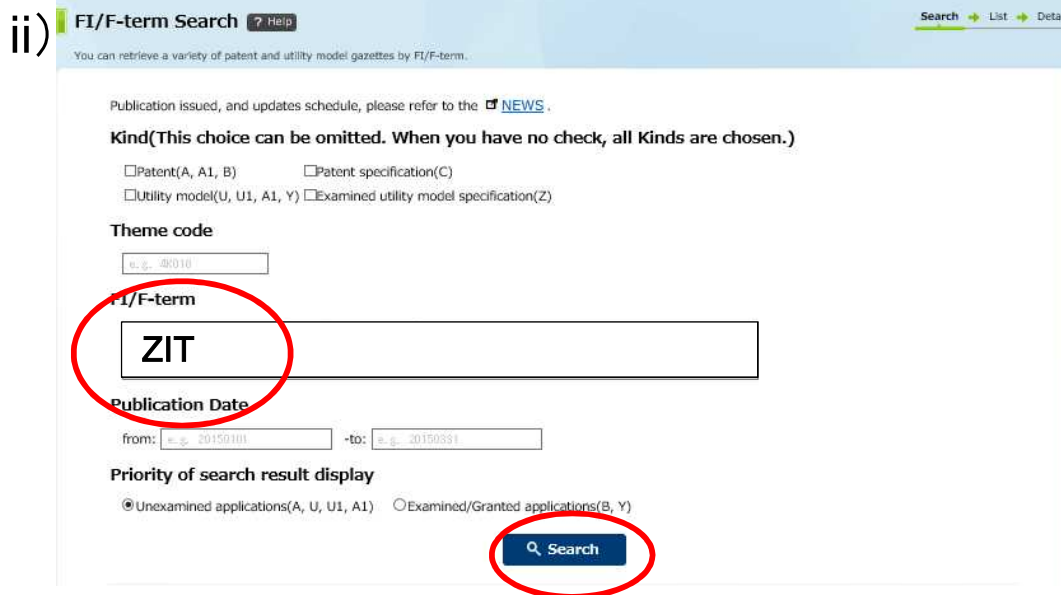


i) Click 'FI/F-term Search'.










ii) Fill FI/F-term column with 'ZIT' and click the search button.

iii) You can see a list of documents classified into ZIT.

URL: <https://www.j-platpat.inpit.go.jp/web/all/top/BTmTopEnglishPage>
















IPC class distribution of ZIT-allocated documents

Class	Title	
G06	COMPUTING; CALCULATING; COUNTING	
G01	MEASURING; TESTING	
A63	SPORTS; GAMES; AMUSEMENTS	
G08	SIGNALLING	
A61	MEDICAL OR VETERINARY SCIENCE; HYGIENE	
G09	EDUCATING; CRYPTOGRAPHY; DISPLAY; ADVERTISING; SEALS	
H04	ELECTRIC COMMUNICATION TECHNIQUE	
B60	VEHICLES IN GENERAL	
others		

Some patents are classified into several classes

- Japanese business sector asks to create entries of specific use

Specific use distribution of ZIT-allocated documents.

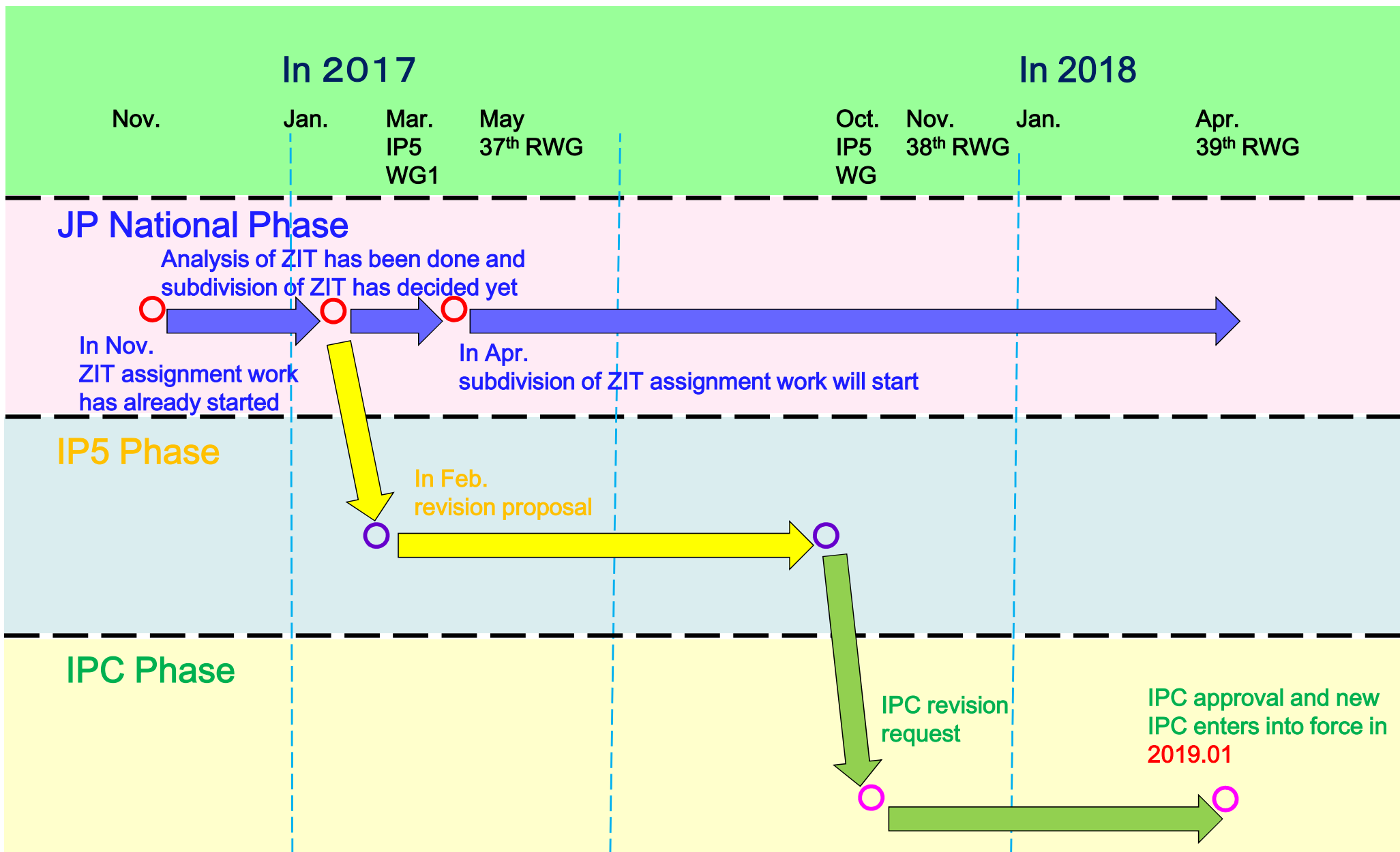
Category of specific use	
for health care, e.g. hospitals, medical treatments or diagnosis; for social work	
for transportation	
for amusements; for sports; for games	
for service	
for communication	
for manufacturing	
for home and building; for home electric appliances	
for agriculture; for fishing; for mining	
for supplying electricity, gas or water	
for finance	
for construction	
for logistics, e.g. warehousing, loading, distribution or shipping	
others	

- Analysis results indicate that the entries of specific use shown above will catch the trend of IoT

IPC revision proposal by JP:

- JPO submits IPC revision proposal regarding IoT in the IP5 phase based on JPO assignment work of ZIT in February 2017
- IPC entries should be obligatory supplementary classification such as B33Y(ADDITIVE MANUFACTURING TECHNOLOGY)
- No obligation of reclassification because it's difficult to identify the scope of reclassifying documents

Roadmap of IPC revision regarding IoT



Thank you