

Taipei Internet of Things Experiment Platform version 2.0

Application Note

Enforcement Unit: Taipei Smart City Project Management Office

2017/December

I. Object

In order to develop a smart city and enhance the competitiveness of the Internet of Things industry, the Taipei City Government plans to set up an "experimental platform for the Taipei IoT" to open up the city as an experimental area and let the innovative application of the information and telecommunications industry be practiced on the platform, speeding up the maturity and development of IoT technologies and products in Taiwan's Internet of Things, enabling citizens to enjoy the good results of intelligent services, which are of great help to the innovation and development of the industry.

Taipei smart city take government as a platform and the city as a living lab to set up an IoT experiment platform. At present, it mainly engages in various Internet of Things technologies such as LoRa and Sigfox, and academy researches to provide resources to start-ups, and develop the Internet of Things and smart city ecosystems in response to the agility of innovation in the Internet era, emphasizing user experience and user value

In order to continuously enhance and upgrade the service of IoT platform, Taipei City cooperates with UnaBiz in hopes of introducing Sigfox technology and applications to this platform to provide more opportunities for new developers to access more new IoT technology, creating a more imaginative service applications.

II. Method of Application

- A. Taipei IoT experiment platform mainly provides the use of Proof of Concept for IoT application service development. To encourage the new development of IoT application services, this platform is for application service developers. Upon approval of application, Proof of Concept can be performed on this platform according to the content of the plan. Once the concept of business is validated and processed to the actual implementation of the commercial profit-making behavior, the concept will be moved to other business platform.
- B. To apply for the use of this platform, according to this notice.
- C. UnaBiz provides a total of 10,000 Sigfox accounts on this platform.
- D. The application of this platform will be subject to follow-up examination and the selected applications may be executed for a period of up to 12 months. However, if the application period of a

case is less than 12 months from the date of expiration of the account, take the remaining free period as the case implementation period.

- E. Applicants or teams need to fill in the number of Sigfox account required in the project plan and set out the use plan, at least apply for 1 account up to 100 accounts of applications.
- F. The expiry date of the application will be regarded as the actual use of the remaining 10,000 cases of Sigfox account, announced by the organizers in the form of announcements.
- G. The team selected should turn in a progress report after three months of execution and turn in a settlement report after the conclusion of the case. The report shall be concise and concise according to the progress of the project, the difficulties encountered and the empirical results. The total number of pages of the report is limited to 2 pages.
- H. If any violation of the provisions of the Notice of Application, contravention the purpose of establishing this platform or government decrees is found, Taipei Smart City PMO will give warning. If there's no improvement after that, the organizers have the rights to terminate the qualification of using the platform.

III. Qualification of Application

Production, government, academia, and research whoever is interested in Sigfox network technology and related application development services can apply.

IV. Application Group

- A. General group: Following abilities are recommended:
 - i. Have the experience of developing sensor with cloud application products.
 - ii. Have the experience of sensor terminal equipment system development.
 - iii. Special application sensor developer. Such as: non-mainstream sensor, but innovative.
- B. Academic Group: Apply only for students or faculty members to encourage innovative service application scenarios.

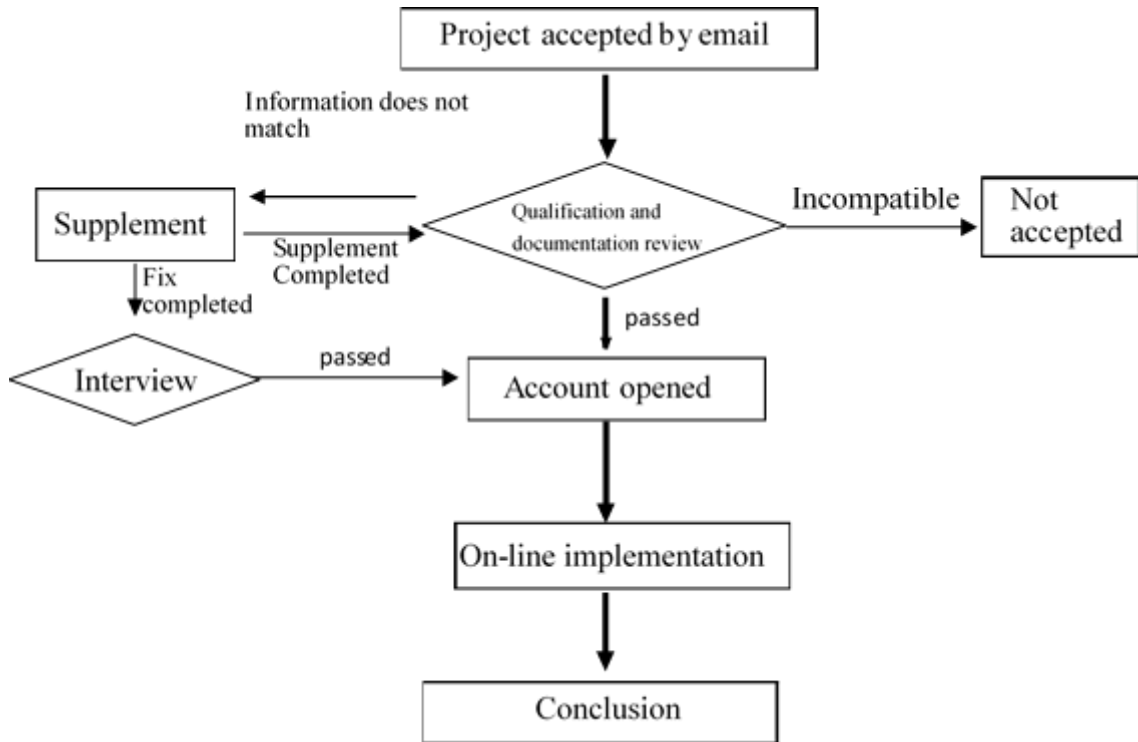
V. Application Procedure

- A. The applicant or the team should submit a project plan to the Taipei Smart City Project Management Office (format refer to Annex 1) and register with E-mail. The applicant or team should send the project plan to iot.tpmo@gmail.com to complete the formal application.
- B. The content of the project is mainly based on the application scenarios, business model, information security planning and international connection of the proposed products or services (as detailed in Annex 1). Please also prepare the attached format.
- C. Receipt method
 - i. A trail will be processed as soon as the email is collected. The application shall be accepted from the announcement day of application.
 - ii. Contact Tel: 02-2627-1916 ext 287 Miss. Wu.

VI. Qualification review

Mainly according to the applicant's plan to conduct a review.

- A. Mechanism
 - i. The platform is as much as possible for all applicants to apply, but need to do a basic qualification of the file, if the application does not match the eligibility or application is not appropriate, you are not allowed to use.
 - ii. For any doubt about the content of the application, the Taipei Smart City Project Management Office may notify the interviewer to understand, clarify the relevant content, or request for supplements.
 - iii. Work flow as shown below:



B. Point of project

- i. Product or service **usage scenario**: theme innovations, story richness, and feasibility.
- ii. Product or service **business model**: the rationality of business objectives, and feasibility of profit models.
- iii. **Information security** planning: applicants must have a complete information security plan for the proposed product or service.
- iv. **The intent of international connection**: The products or services proposed by the applicant should be able to demonstrate the intent of connecting with the international community so as to enhance the international competitiveness of Taiwan's Internet of Things industry.

VII. Workshop counseling mechanism


With Workshop, we provide developer-related technical support together with the syndicate and gain insight into the progress and development of the case.

Course planning

- i. Sigfox Equipment Technical illustration: Scheduled to schedule 1-2 classes, 30 people / per class, 3 hours/ per course, open classes

- on about the end of December.
- ii. Sigfox Application Development: Expected to schedule 1-2 classes, 30 people / per class, 3 hours per course. Open classes on about the end of January, 2018.

VIII. Else for you to know

- A. During the execution of the project, the winning team will be responsible for handling the case and assuming all legal liabilities in the event of a lawsuit arising out of the execution of the program against the business secrets, intellectual property or other related rights of others.
- B. The research and development achievements of the project belong to the applicant, except as otherwise provided by the Act.
- C. Relevant information about Taipei IOT experiment platform will be announced at any time:
 - i. Taipei Internet of Things platform @ LINE (Please use this QR Code to check <http://qrofficial.line.me/L/zXHikplCYJ.png>)

 - ii. Taipei Smart City Project Management Office official website (<https://smartcity.taipei>)
 - iii. Taipei Smart City Project Management Office FB Fan page (<https://www.facebook.com/smartcity.taipeismartcitypmo>)
- D. The Organizer reserves the right to amend, modify and change the application procedures of this registration activity on the website of the registration activity without further notice.

Annex 1, project (format)

Taipei IoT Platform 2.0 Usage Plan

Project writing instructions

- I. Please use A4 format straight horizontal writing (from left to right) and compose page number.
- II. If the length of the form or the columns is not enough, please adjust it yourself.
- III. Please write the project plan according to the directory structure of the project layout. If there is a project with a fill-in, please indicate "None" (please do not delete).

However, you may increase the project by yourself.
- IV. The survey data should indicate the source and date of the data.
- V. The data should be noted consistent, according to the actual series or filling.
- VI. Please provide a concise statement, with a total page count of 2 pages (excluding cover, table of contents and basic information).

Taipei Internet of Things experiment platform 2.0 usage project

Applicant:

Date: / / _____
(YYYY/MM/DD)

Table of Content

I. Basic information

II. Project content

- i. Project goals
- ii. Content
- iii. Method of implementation
- iv. Expected benefit

Contact person	Name			
	TEL	()	Mobile	
	e-mail			
Group information	Group name			
	General/academic group		Company / Organization / School Name	
	Numbers of people			
	Account numbers of requirement			
	Single data transmission length (Byte)			
	Data transmission frequency (times/per day)			
	Number of sensors			
	Expected execution area/ category			
Project Overview (200 words or less)				

Project content

I. Project goals(Product or service description)

II. Content

- i. Product or service application scenario
(Please explain the area of planning, theme innovation, story richness and feasibility)
- ii. Product or service business model
(The rationality of business objectives and the feasibility of profit-making mode)
- iii. Information Security Planning
(Complete information security plan for the proposed product or service)
- iv. International links
(The ambition of this product or service in the international market)

III. Method of implementation

(Please explain the specific implementation of the plan.)

IV. Expected benefit

(Please estimate output)