

# Introduction to ISMAP

– Overview of the Security Assessment Program for Japanese Government Information Systems –



This brochure is designed to promote understanding of ISMAP among cloud service providers and information system procurers.

To begin with,



# ISMAP

Information system Security Management and Assessment Program

is...

a security assessment program  
for Japanese government information systems.

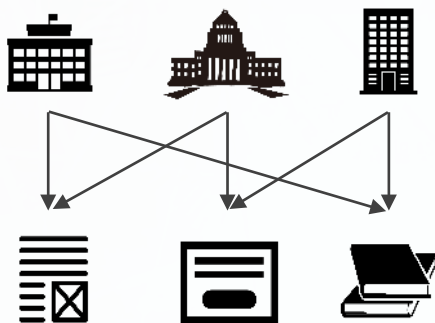
ISMAP is based on **Control Criteria of ISMAP** developed in accordance with international standards and so on, the program **evaluates and registers** cloud services through a process of **auditing** by registered assessors.

Registered cloud services are listed in the **ISMAP Cloud Service List**, and government agencies and related agencies are, in principle, required to procure cloud services from this list.

ISMAP aims to **secure the security level** of the government's cloud service procurement by evaluating and registering cloud services that meet the security requirements of the government in advance, thereby contributing to **the smooth introduction of cloud services**.

## Before introduction of the ISMAP

Each government agency independently verifies various security requirements



Various policies and guidelines exist for the use of cloud services.

inefficient

## Aim of the ISMAP

The program evaluates the fulfillment of common security requirements. Each government agency checks only additional requirements.



References  
/ Citations



Common security standards

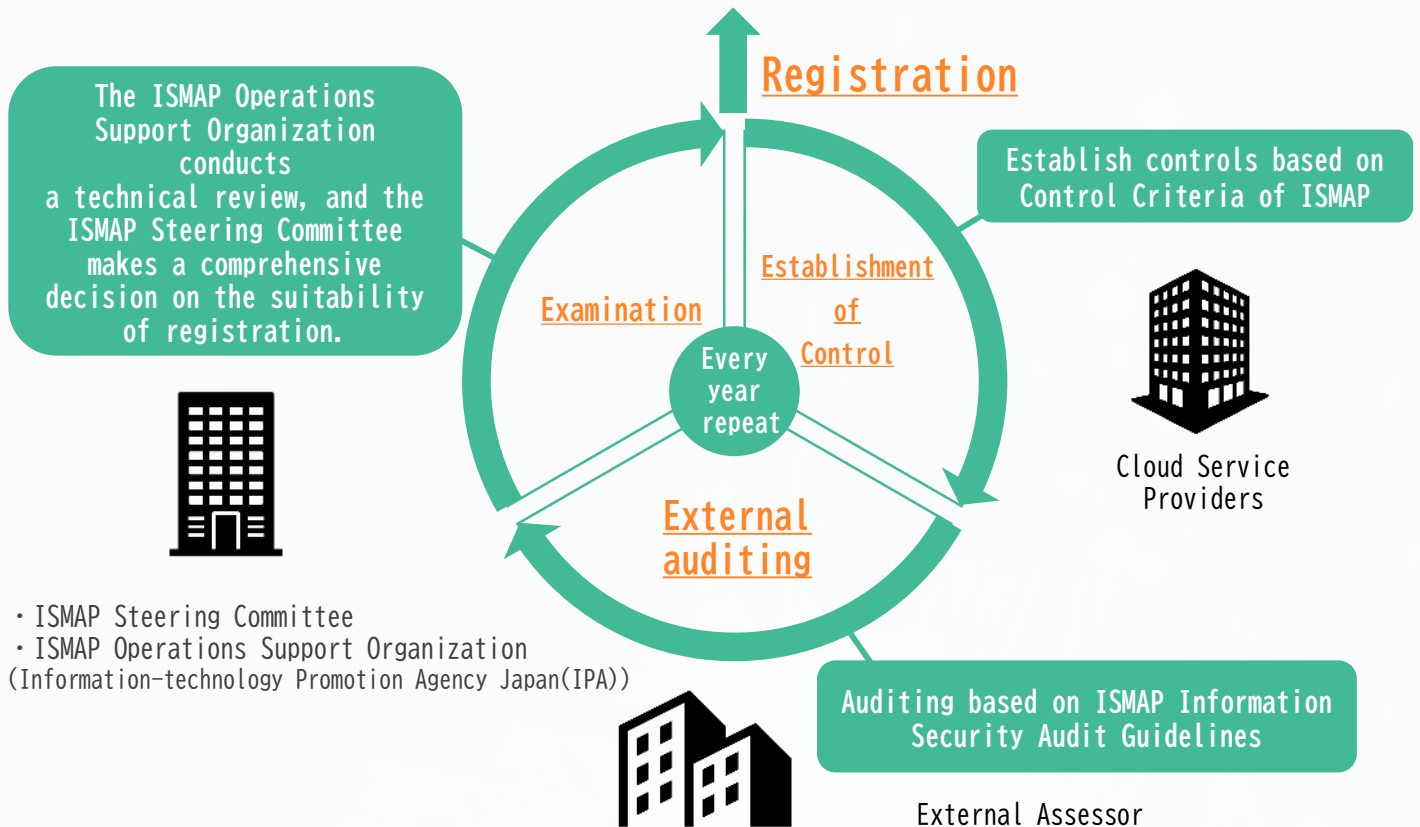
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# Basic Framework of the ISMAP



Government agencies and related agencies procure from ISMAP Cloud Service List

## ISMAP Cloud Service List



### Benefits & advantages for cloud service providers to be on the list

- Able to summarize responses to security requirements.
- Able to prove that they have received certain evaluations of safety from the government.

### Benefits & advantages for cloud service customer to utilize the list

- Able to choose a service audited by a third party.
- Able to use as part of the safety check of your own services.
- Able to gain external confidence in your company 's use of cloud services.

# Service Listing Registration Cycle

The registration cycle of the ISMAP Cloud Service List consists of "Establishment of Control", "External auditing" and "Examination".

## Establishment of Control




In establishment of Control, cloud service providers will develop controls for cloud services, that they wish to register, based on the Control Criteria of ISMAP.

The Control Criteria of ISMAP have been prepared by incorporating the "JIS Q 27000 Series", "Government Common Standards", and "NIST SP800-53", and consist of 3 types of criteria such as

- ① Governance Criteria, ② Management Criteria, and ③ Operational Criteria.

※ Japanese Industrial Standards (JIS) Q 27000 Series  
 ※ Government Common Standards  
 ※ NIST SP800-53 (NIST is an American institution)

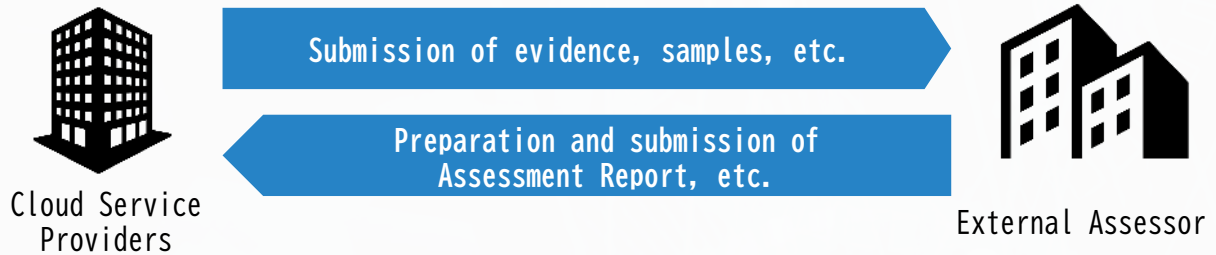
: JIS Q 27001 · JIS Q 27002 · JIS Q 27014 · JIS Q 27017  
 : Common Standards Group for Cybersecurity Measures for Government Agencies and Related Agencies  
 : National Institute of Standards and Technology ,  
 Security and Privacy Controls for Federal Information Systems and Organizations

	Subject	Control items	Examples
① Governance Criteria	Top management 	Makes security decisions and instructs administrators continuously	Approve information security strategies and policies, etc.
② Management Criteria	Administrator 	Establishment of the information security management rules and implementation of continuous operation and maintenance	Establish information security management, Operate information security management Maintain and improve information security Management, etc.
③ Controls Criteria	Operator 	Actual security measures are being implemented.	Business requirements of access control, Account and ID Management, Redundancy, Collecting and monitoring logs, etc.

## External auditing

For external auditing, a third-party auditing is conducted by assessor based on the ISMAP Information Security Assessment Guideline.

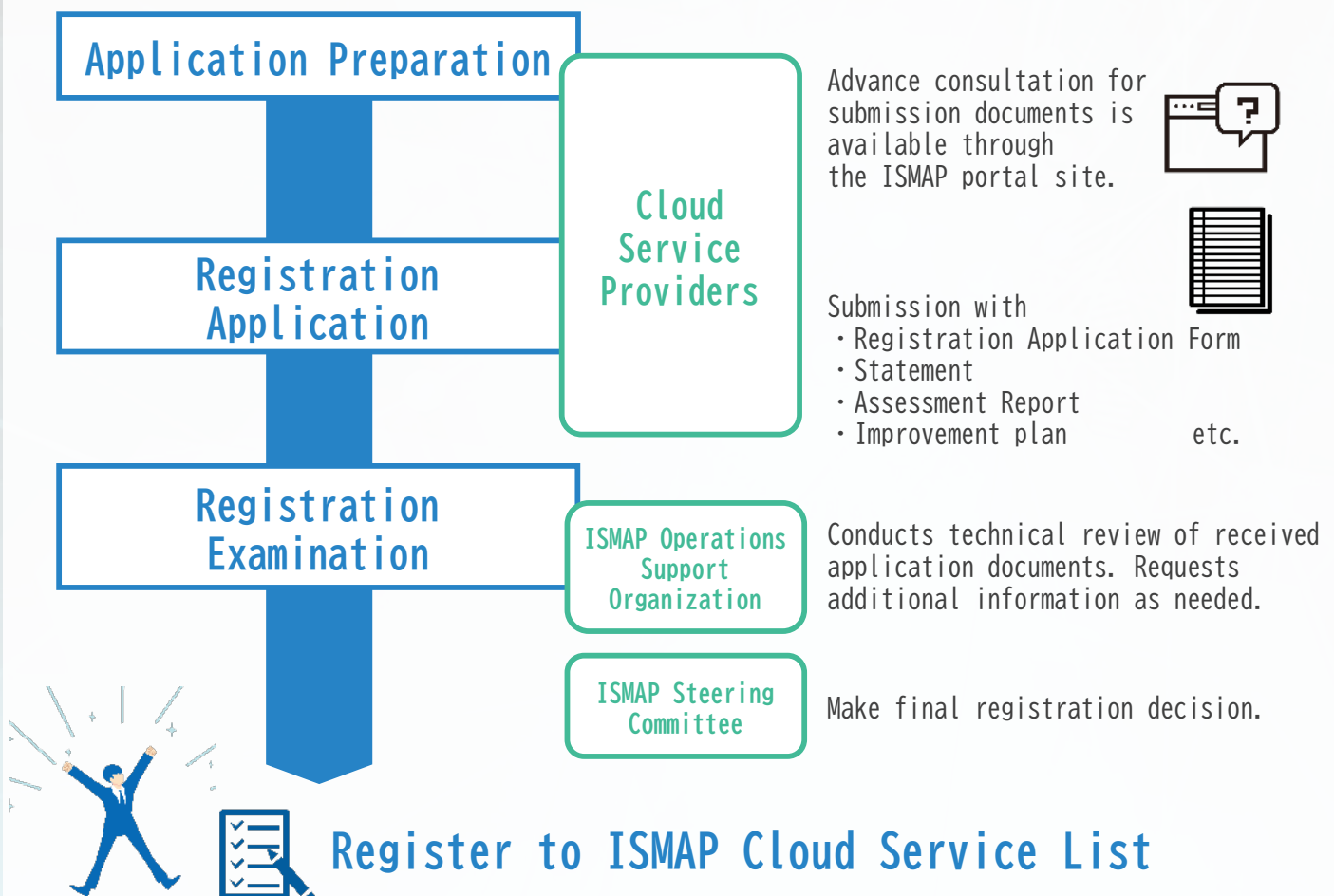
- ☑ Cloud service providers select assessor from **ISMAP Assessor List**.
- ☑ The auditing contract is **in the private sector** between the cloud service provider and the external assessor.
- ☑ Auditing is performed according to **standard assessment procedures**.



- ☑ Assessors are subject to Requirements for ISMAP assessor and must be registered, with **renewal** every **two years**.

## Examination

The Examination is conducted by ISMAP Operations Support Organization, and after the decision of the ISMAP Steering Committee, the cloud service of applicant is registered on the ISMAP Cloud Service List.





# Introduction to ISMAP-LIU

## ISMAP for Low-Impact Use

ISMAP-LIU is a framework for SaaS services used for processing low-risk business and information. If recognized as qualifying for ISMAP-LIU in advance, the burden on cloud service providers will be reduced, as the number of external audit items will be reduced.

### Background of Formulation

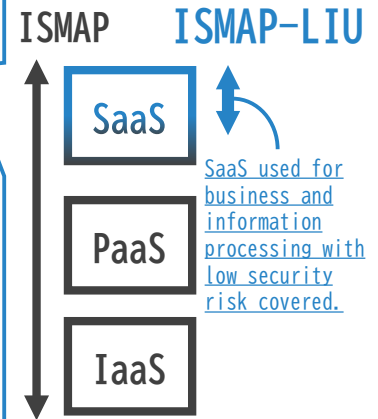
Among cloud services, SaaS has a wide range of functions provided and information handled, and if it is used for low-risk operations, the same treatment as ISMAP could result in excessive requirements.

### Differences from ISMAP

Limit the scope of cloud services to be covered

Requires Evaluation of the Impact and prior application by each ministry

Fewer items to be covered by external auditing than ISMAP



### ISMAP-LIU Application Process

STEP 1

Screening for low impact of operations and information in each ministry and agency that uses the system.

STEP 2

STEP 1 evaluation results and submission of Prior Application Form

STEP 3

To external auditing and application

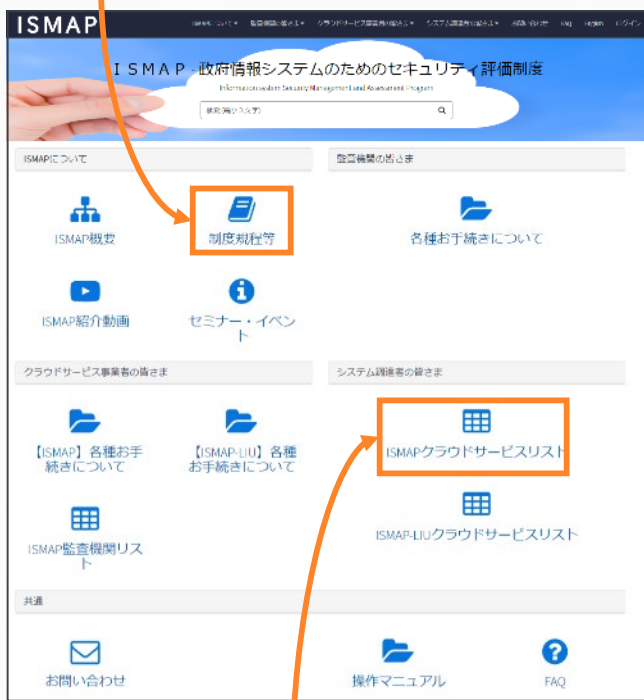
# ISMAP Portal Site

<https://www.ismap.go.jp/csm>

For more information about ISMAP, please visit the **ISMAP Portal Site**



## Check the regulations



### Rules and Regulations for Cloud Service Providers

**ISMAP Cloud Service Registration Rules**

**ISMAP-LIU Cloud Service Registration Rules**

The ISMAP Steering Committee has established matters related to the registration of cloud services based on the ISMAP Basic Regulations.

**Control Criteria of ISMAP**

Control Criteria of ISMAP provides a list of security measures that cloud service providers should implement when applying for registration on the ISMAP Cloud Service List or the ISMAP-LIU Cloud Service List, and how to utilize these measures.

## Check the ISMAP Cloud Service List

登録番号	クラウドサービスの名称	クラウドサービス事業者の名称	法人番号	クラウドサービス事業者の所在地	登録日	登録の有効期限	備考
xxx	xxx service	xxx Co.	xxx	xxx city xxx prefecture	yyyy mm/dd	yyyy mm/dd	xxx
yyy	yyy service	yyy Co.	yyy	yyy city yyy prefecture	yyyy mm/dd	yyyy mm/dd	yyy
zzz	zzz service	zzz Co.	zzz	zzz city zzz prefecture	yyyy mm/dd	yyyy mm/dd	zzz
aaa	aaa service	aaa Co.	aaa	aaa city aaa prefecture	yyyy mm/dd	yyyy mm/dd	aaa
bbb	bbb service	bbb Co.	bbb	bbb city bbb prefecture	yyyy mm/dd	yyyy mm/dd	bbb
ccc	ccc service	ccc Co.	ccc	ccc city ccc prefecture	yyyy mm/dd	yyyy mm/dd	ccc

**List**

Detailed information is displayed by clicking on the row of the cloud service you wish to check.

**Detailed information**

- Name of cloud service
- Name of cloud service provider
- URL of the website
- Availability of improvement plan etc.

**Attached document**

- Attachments that can be verified
- scope of statement
- Management of control objectives being implemented
- Information necessary to perform a risk assessment etc.

# History of ISMAP



June  
2018

In the Basic Policy on the Use of Cloud Services in Government Information Systems, the **Cloud-By-Default Principle** was adopted, and government information systems will be considered as the first choice for the use of cloud services.

December  
2019

In the Digital Government Action Plan, we have positioned the development of government information systems based on the cloud-by-default principle and the study of safety assessment of cloud services.

June  
2020

Information system Security Management and Assessment Program (ISMAP) is established and **ISMAP is put into operation.**

March  
2021

Initial registration and publication of the "ISMAP Cloud Service List" to begin the use of this system by government agencies.

November  
2022

**ISMAP-LIU**, which is part of the ISMAP framework for SaaS services used to process low-risk business and information, is now in operation.

## Questions or Inquiries



### About ISMAP



Please contact us using the Contact page inside the ISMAP portal site.

<https://www.ismap.go.jp/csm>

### About ISMAP-LIU



Please contact the Digital Agency through the ISMAP-LIU Consultation Service.

[https://www.digital.go.jp/policies/security/ismap-liu#help\\_desk](https://www.digital.go.jp/policies/security/ismap-liu#help_desk)

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