
Haraguchi's 5 Principles on Identity (and OpenID)

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Who is Mr. Haraguchi?

- Minister of Public Management, Home Affairs, Posts and Telecommunications
 - i.e., The Head of Ministry of Internal Affairs and Communication (MIC)
 - *GSA + FCC + FBI + ...*
- No.3 of the Japanese government after the prime minister and the vice-prime minister.
- Announced “5 principles on Identity”
 - which made quite a buzz since March



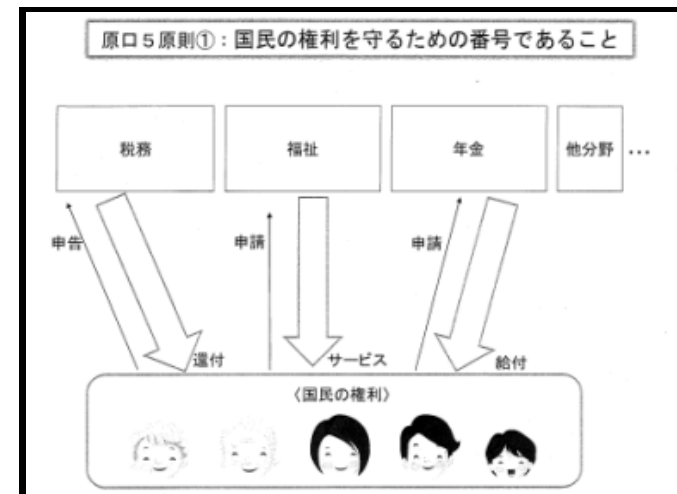
Kazuhiro Haraguchi (b.1959)

Disclaimer

- Translations / Interpretations are my own and not an official one.
- Anything apart from the bitmap slides like the fig. left are my interpretation.
 - but not entirely arbitrary: I have the endorsement from the minister based on my Japanese slides.
- All the information is provided AS IS and you cannot hold me responsible even if they were incorrect.

番号に関する原口5原則

- 原則1 国民の権利を守るための番号であること
社会保障給付や種々の行政サービスの提供を適切に受ける国民の権利を守るための番号であり、重複なく、漏れなく、正確かつ安全に付番を行う。
- 原則2 自らの情報を不正に利用・ストックされず、確認・修正が可能な、自己情報をコントロールできる仕組みであること
自らの情報が不正に利用・ストックされることなく、また、自らの情報にアクセスし、内容の確認・修正ができる（自己情報コントロール権）。
- 原則3 利用される範囲が明確な番号で、プライバシー保護が徹底された仕組みであること
自らの情報についてどのような行政機関がどのような目的で利用するのか明確な制度とするとともに、最新の暗号化技術により情報漏洩防止に万全を期し、分野をまたがる情報の名寄せを防ぐ。
- 原則4 費用が最小で、確実かつ効率的な仕組みであること
既存インフラを有効活用し効率的な仕組みを構築する。また、クラウドコンピューティングの手法により、各分野内のシステムの共同利用を積極的に進める。
- 原則5 国と地方が協力しながら進めること
より良い行政サービスを提供できるよう、国と地方が協力しながら電子政府を推進する。



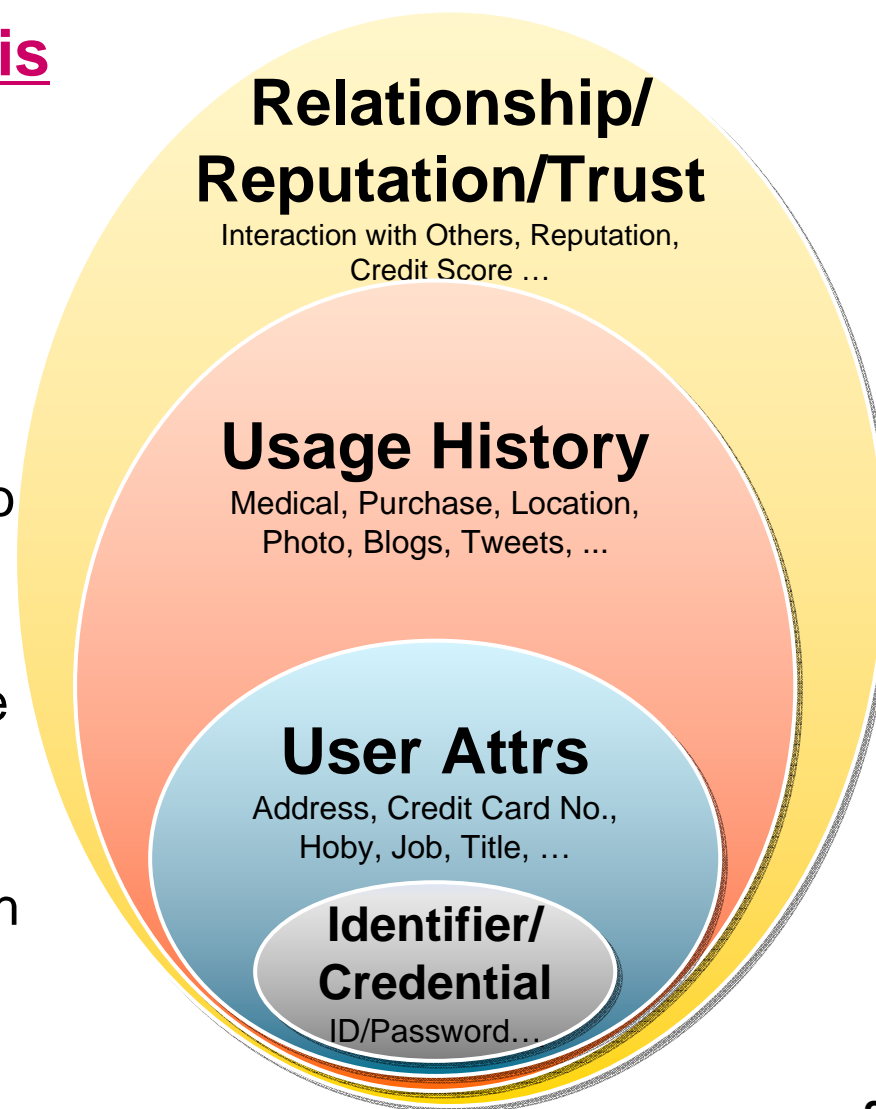
“ID(Identity)” is ...

■ Something that Express that One is oneself

- ego-identity, Difference to Others, etc.
- “Dignity of a Man”

■ Digital Identity

- Basic Information for the Service Provision
 - Identifier/Credential
 - Some User Attributes
- Information formed by the Service Usage
 - More User Attributes
 - Usage History
- Information formed by the Interaction with others
 - Relationship/Reputation/Trust



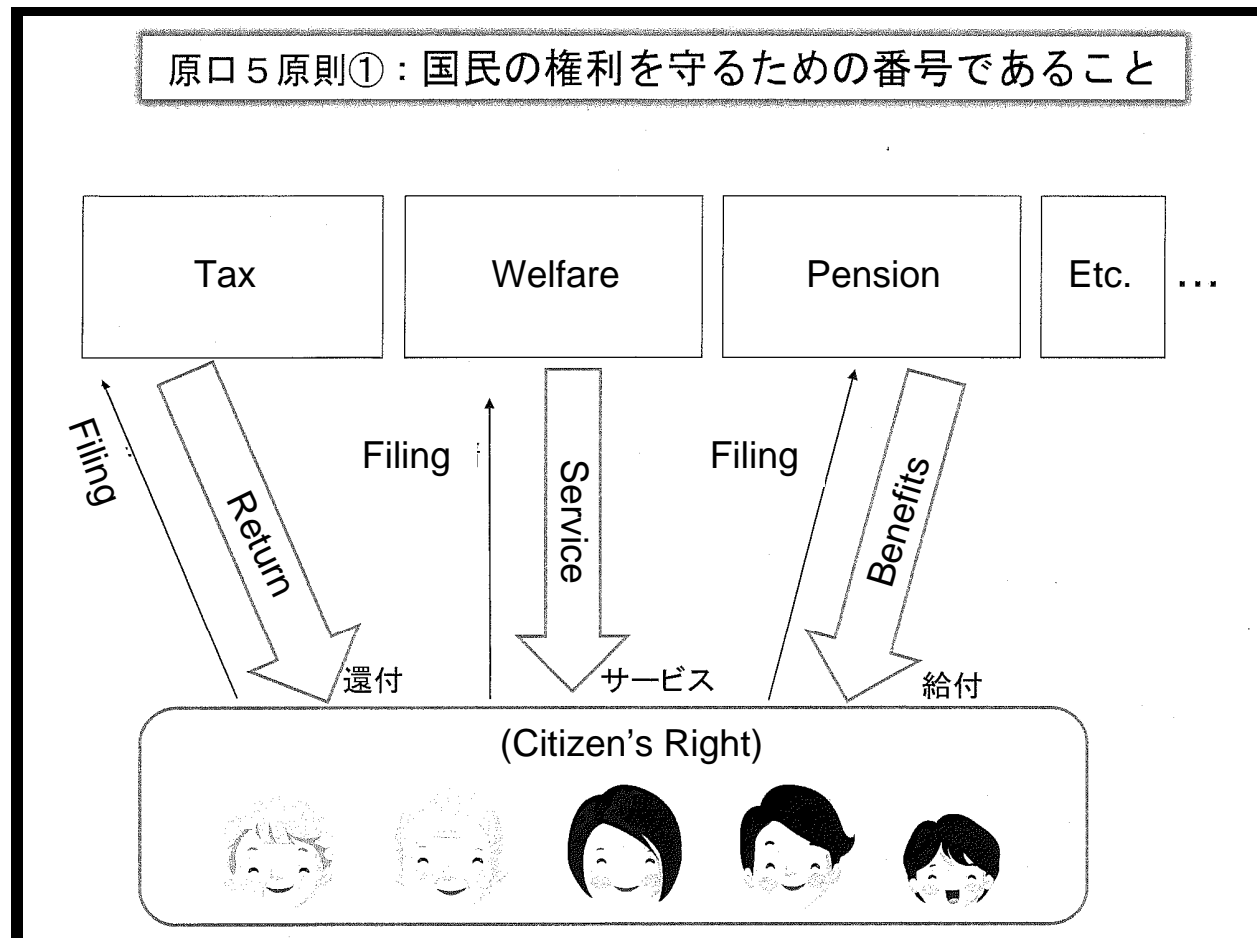
Haraguchi's 5 Principles on Identity

1. It has to **Protect the Citizen's Right**.
2. It should not be used/stored without/beyond One's consent and verification/modification must be enabled to support **Self-Information Control**.
3. It should be able to **specify the purpose of the use**, and **privacy must be protected** to the fullest extent.
4. It should be **Cost minimizing and efficient**.
5. Central and Local government **must cooperate** on the implementation.

Haraguch's 5 Principles (1)

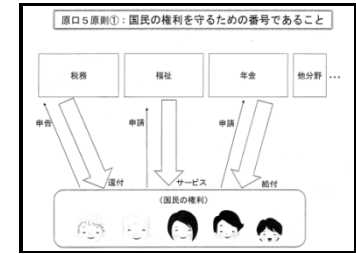
It has to Protect the Citizen's Right.

- Citizen needs to be able to receive various services from the government through this Identity, that it must be provisioned accurately without duplication nor omission.



Haraguch's 5 Principles (1)

It has to Protect the Citizen's Right.



■ Not “Identity to Manage the Citizens” but **“Identity for the Citizen”**

-> OpenID is **a user centric/citizen centric** framework so that it fits the requirement well.

■ Provision it Accurately, without duplication nor omission

● **Accuracy of the Registry:** Can we rely on the registry as 100% accurate?
Has there been adequate protection for masquerading etc. ?

● **Provisining:** How to bind these records to the living being.

→ **EOI Standard and Document Verification Standards** (manuals) needs to be created.

→ **Define LOA** and start appropriately.

Cannot do LoA4 for all citizens – too much cost.

例) 保証レベル1: 確定申告や納税(身元確認レベルが低くても構わないもの)

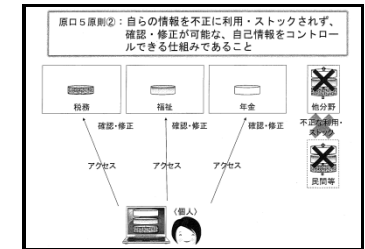
保証レベル2: 税金の還付(比較的確かな身元確認が必要。個人の資産に関わるもの)

保証レベル3:(確かな身元確認が必要。個人の資産・健康に関わるもの)

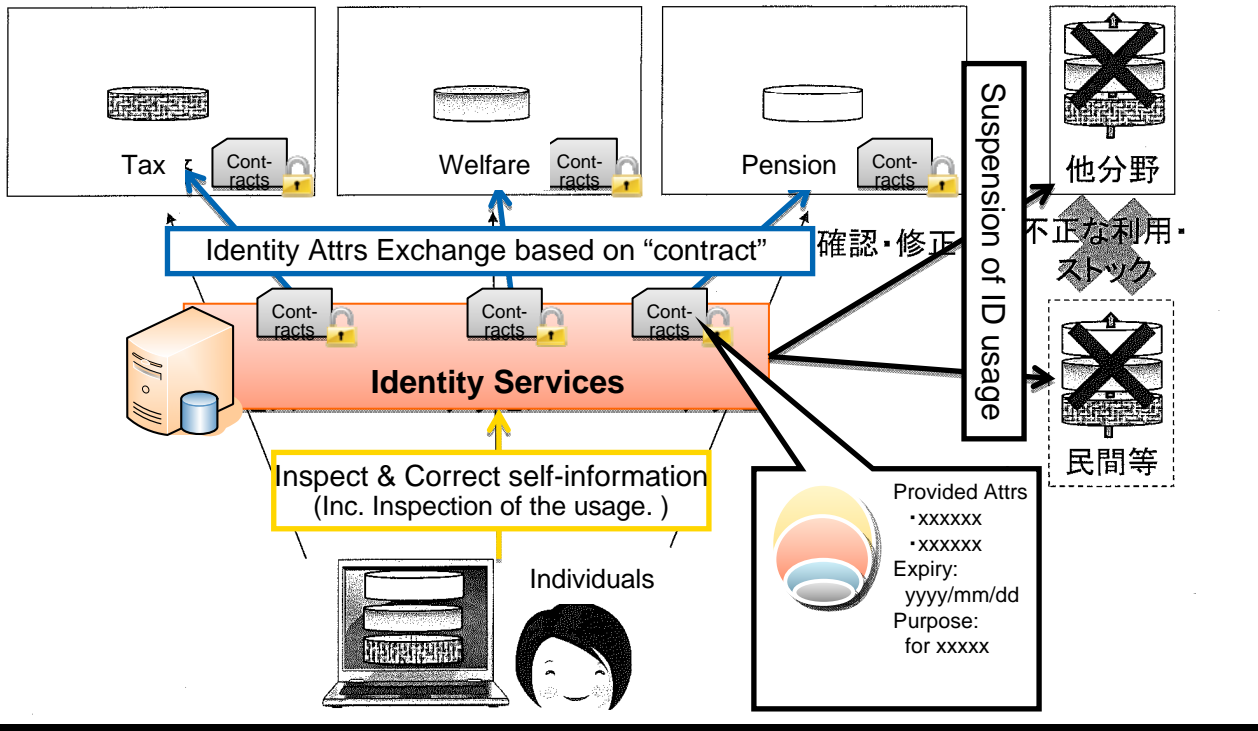
保証レベル4: パスポートの取得(厳密な身元確認が必要。国家安全保障に関わるもの)

Haraguchi's 5 Principles (2)

Must support Self-Information Control Right



2. IDs should not be used/stored without/beyond One's consent and verification/modification must be enabled to support Self-Information Control.

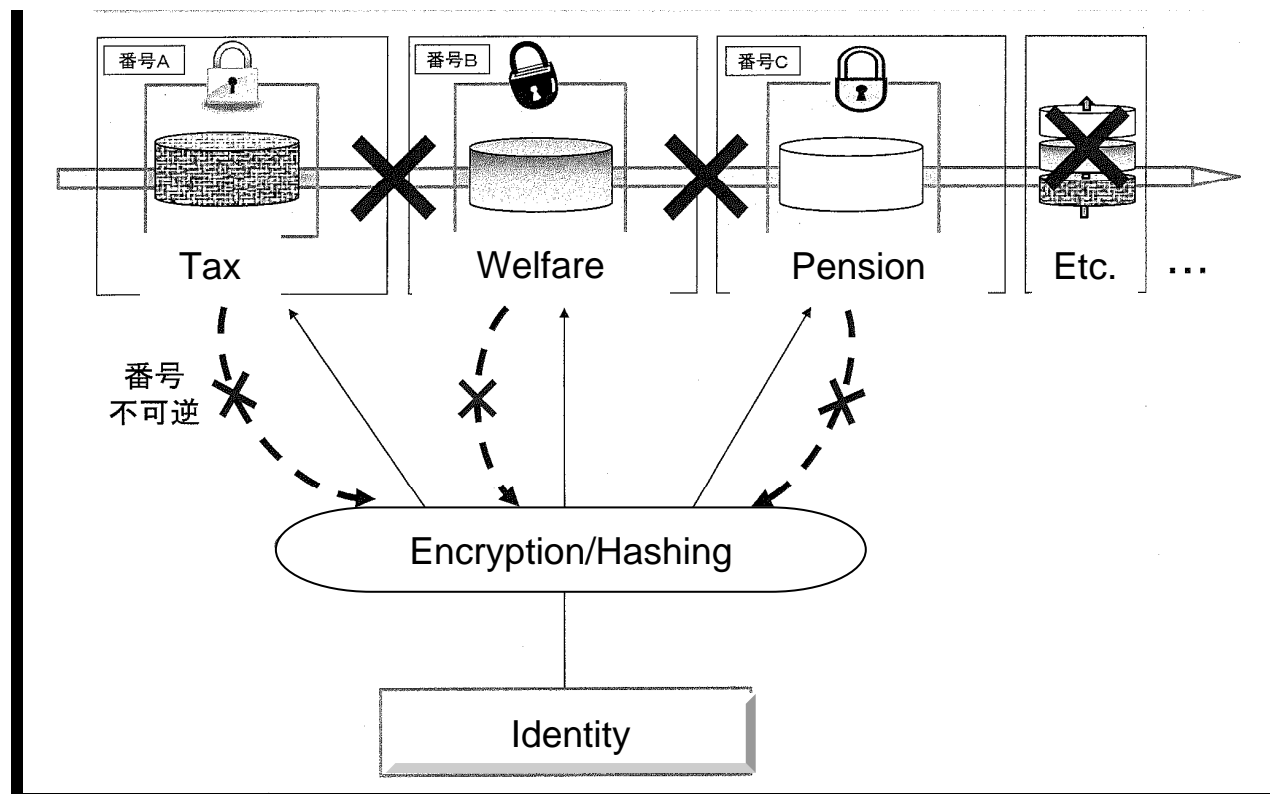


- Needs to control to where and for what the ID-attrs' been provided.
- Needs to record the proof of the agreement.

Haraguchi's 5 Principles (3)

It should be able to specify the purpose of the use, and privacy must be protected to the fullest extent.

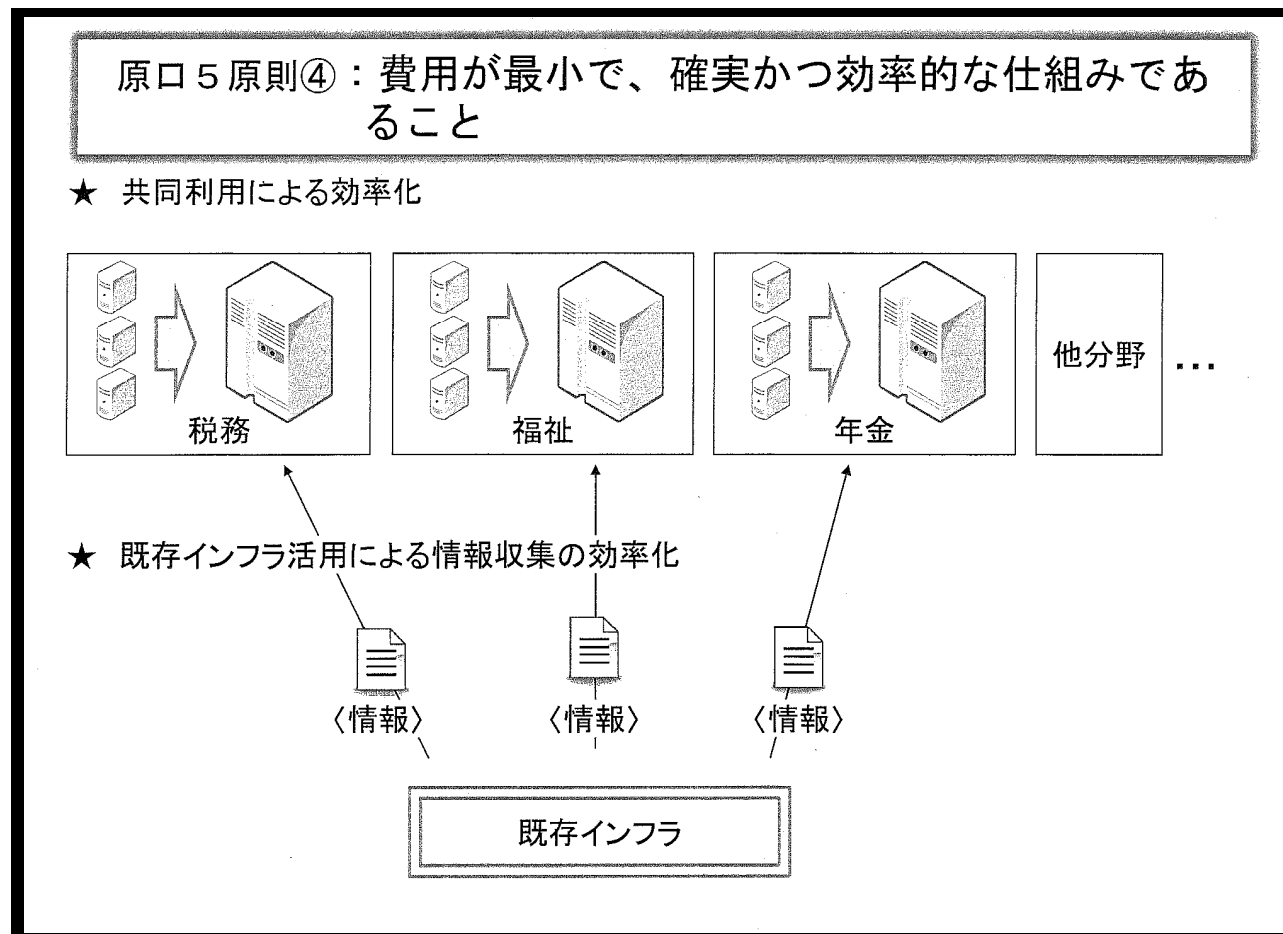
- It has to clearly state and record what information is used for what purposes.
- The information must be protected by the most current encryption technology.
- The identifiers must be un-correlatable beyond the appropriate sectors.



Haraguchi's 5 Principles (4)

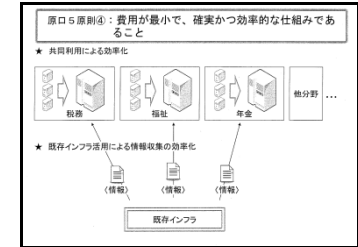
It should be Cost minimizing and efficient.

- Leverage existing infrastructure. Avoid duplication as much as possible and cloud source if possible.



Haraguchi's 5 Principles (4)

It should be Cost minimizing and efficient.



■ Use Private Sector Infrastructure as well to achieve “Cost minimizing and Efficient”

- As in “Open Government Initiative” in the U.S.
 - “Use the IDs that people use everyday”
 - Some Standard on the Identity required such as in ICAM/OIX framework.

■ Use Existing Government Infrastructure

- **Standardize Data Format**, provide them through **Standard Protocols** and **API** so that the private sectors can build services on top of it.
- E.g., use Citizen Registry to provide “**Identity Verification API**” so that private sector identity providers can leverage it for the identification process.

Haraguchi's 5 Principles (5)

Central and Local government must cooperate on the implementation of the e-gov.

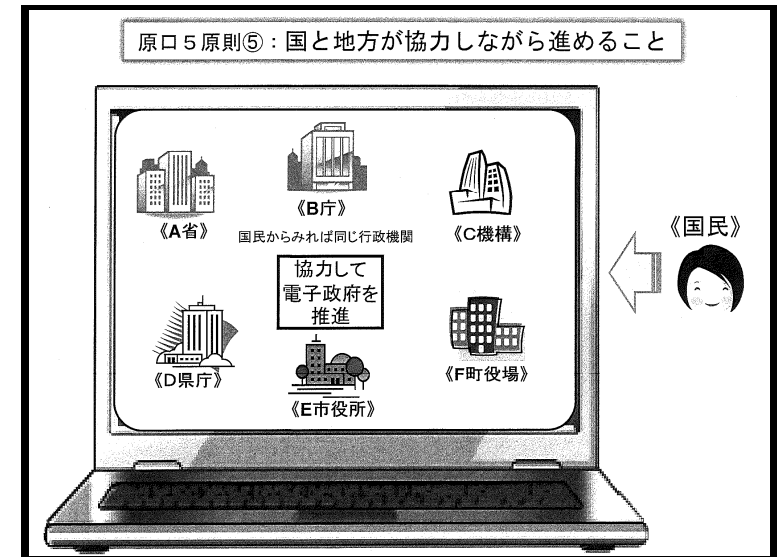
(Interpretations)

- .. And the Private Sectors, too.
- Government should specify the Protocols/API and Data format so that the private sectors can build the service on top of it.

■ Railway Example

“Often, people would look at the Station to symbolize the Railway, but what is important is not the Station but the **Rails** (protocols), **Trains** (Data Format), and the **Operation**. “

- Interoperability is a key.



出展：平成22年2月23日 総務省政務三役会議 会議資料

Some other Requirements from Japan

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- Mobile Support
 - LoP : How can one trust the RP?
 - Esp. when they are providing attributes.

