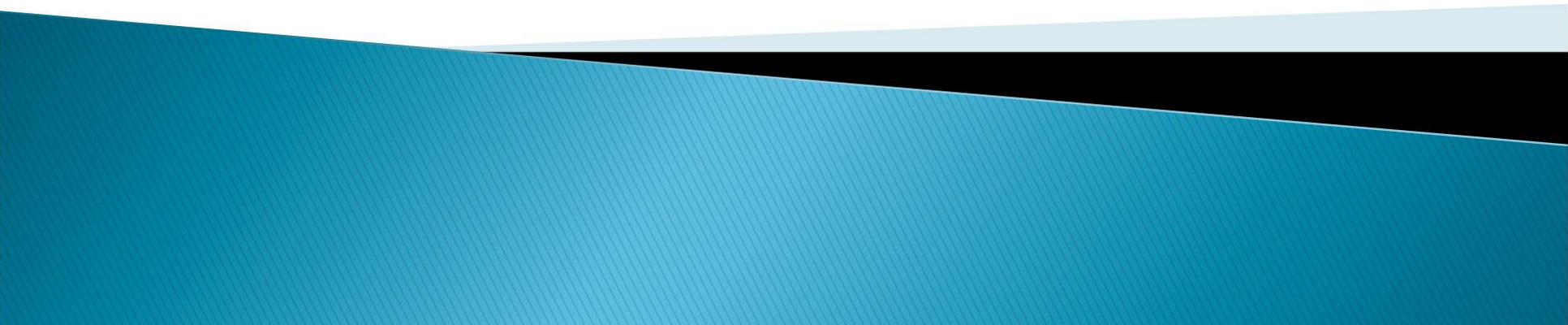


Disposition of comments on CD2 MFI-6

17th October 2012

Tatsumi ADACHI



- ▶ Editorial comments: (101)
 - There are many misspelling and error sentences.
 - I apologizes to having become a document of inferior quality, since I was not able to give enough time of review for a co-editor.
 - > All comments almost accept.

- ▶ Technical comments: (88)
 - Clouse 6: Requirement is the shortage of explanation. (CA, US, JP)
 - > Revise Clause6.
 - Clouse 7:
 - 1) Registry_Component Class and Assembly Class (CA22, US)
 - 2) Relation of between Registry Class and Document Class (US058)
 - Other comments.
 - Since Clause6 will be rewritten, the management of some comments becomes unnecessary.
 - About the remaining comment, since sneak peak document and draft disposition of comments on CD2 MFI-6 are sent by end of Nov, please check.

Revise Clause 6

Technical comments: CA12, US25, US27, US30, US31, JP10, JP11, JP12, JP13

with related editorial comments.

Action: It is rewriting based on Registry Interoperability of MFI-1 ed2.

6. Background and purpose

The major purpose of the ISO/IEC 19763 (MFI) family of standards is to enable the interoperability among registries. Currently, so many metadata registries or model registries were already developed and enforced in various types of business domains. Most of them were developed conforming to international standards, such as e-business, healthcare, or library domains. However, those standards themselves were incompatible each other and they were developed by the mostly requirements came from their own domains. It means that a single company or user who belongs to a particular domain has difficulties on the accessing registries that were enforced in other different domains.

For the sake of the system interoperability, it could be an urgent issue to share metadata registry across different domains. Then, the ISO/IEC 19763-6 standard (MFI-6) is intending to materialize the registry interoperation addressing to the problems mentioned above.

This standard specifies a set of small XML artifacts called the Registry Summary to be attached to each registry in the domains. These artifacts were represented by a metamodel using UML.

6.1 Role of the Registry Summary

The registry summary is a small set of metadata to be attached in the target registry as a header information of the registry. If every registry would attach this registry summary, it could be possible to capture and know the nature of the registry and technical information for accessing the registry.

Figure 1 illustrates a typical use case of RS(Registry Summary) and ROR(Registry of registries). Each registry prepared in a particular domain could be able to disclose RS at their header as entry information. Then, every user in different domains, such as Manufacturing or Retailing become able to prepare their own dedicated registry that is a collection of RS. It should be called the Registry of Registries (ROR).

Revise Clause 6

Technical comments: CA12, US25, US27, US30, US31, JP10, JP11, JP12, JP13
with related editorial comments.

Action: Figure1 are changed.

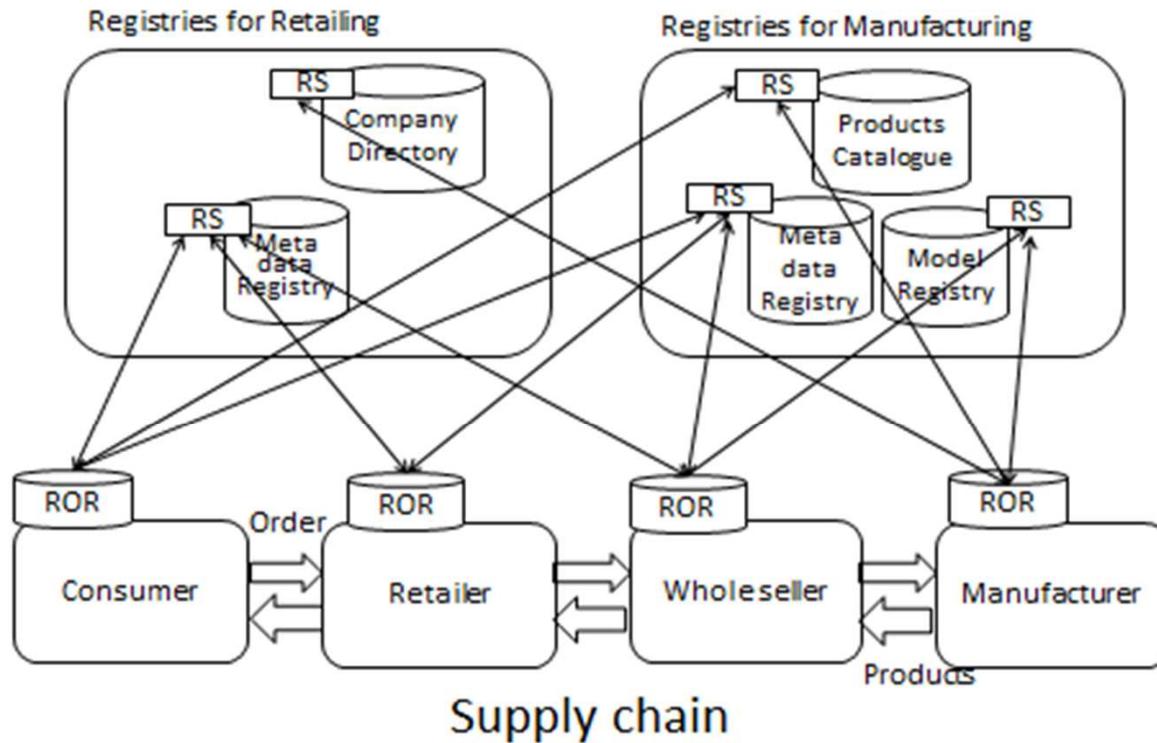


Figure 1 Illustration of Use case of Registry Interoperability

[CA22] (There are many related comments from CA and US.)

[CA22 comment]

- ▶ The reference to “when registry system is constituted by two or more registry” is inconsistent with the definitions in clause 3. **registry system** is defined as a synonym for **metadata registry**. There is no defined concept of a **registry system** consisting of multiple **registry systems**.
- ▶ Even Figure 1 does not require the concept, since it shows only registries referencing other registries.
- ▶ The metamodel in Figure 2 shows an Assembly class, whose description says it “shows cooperation between the component registries denoted by *Registry_Component*”. However, Assembly has no association with Registry_Component.
- ▶ While we understand relating one registry to another, we do not understand how one registry can be a component of another. We believe it is sufficient to support a federation of cooperating registries, with no suggestion that one is a component of another.

[Correspondence]

There are two issues.

- 1) There is no defined concept of a registry system consisting of multiple registry systems.
-> Clause3.5 separate entry, and add this concept to the text and Annex.
- 2) Assembly class has no association with Registry_Component.
-> Delete Assembly class.
It was the same meaning as the relation between Registry class and Registry_Component class.

[CA22] (related many comments From CA, US)

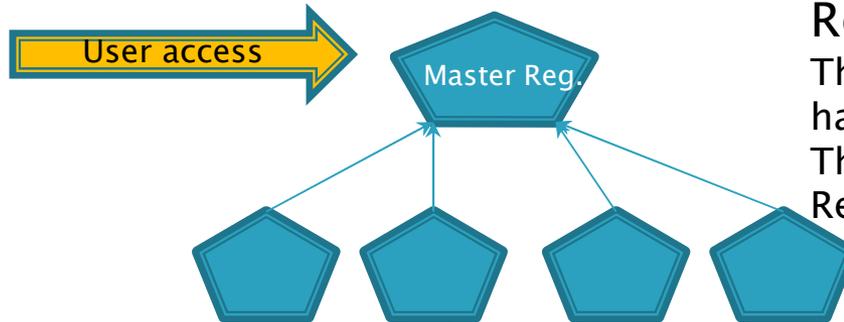
Why concept of a registry system consisting of multiple registry systems is need?

- ▶ I think that it becomes a problem that all the registries provide Registry Summary, in order to spread Registry Interoperability.
 - ▶ Then this concept is required in order to solve this problem.

 - ▶ The Registry_Component Class is used in order to express a concept in Registry Summary.
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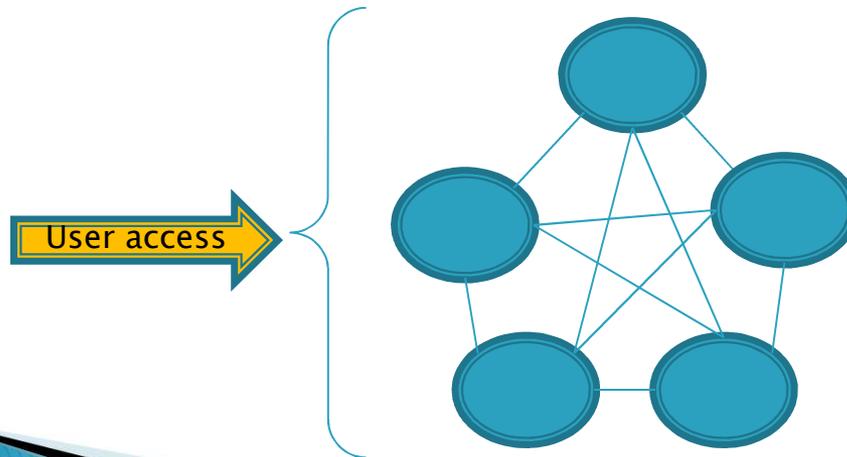
The kind of relation to homogeneous registry

The existing registry technical specifications define the specification which cooperates to each registries.



Replicate Type:

The contents which each registry has are copied to Master Reg. The registry user access Master Reg. (such as UDDI registry)



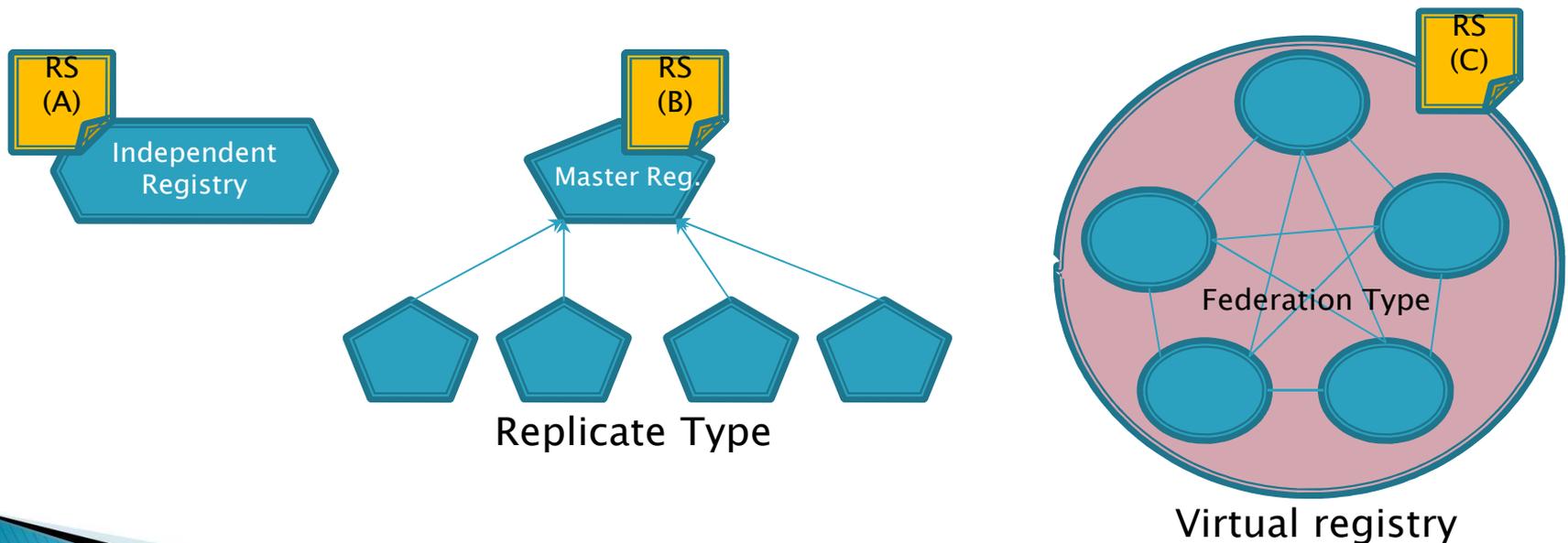
Federation Type:

There is no master registry which has collected contents. The registry user can access one of registries. (such as ebXML registry)

Which Registry generates “Registry Summary” ?

The registry which the registry user accesses generates Registry Summary.

- Independent Registry (A)
- Master registry of the registries which carries out replication cooperation. (B)
- When representing the registries of the homogeneous which cooperates by Registry Summary, it can consider that the whole registries which cooperates is one virtual registry, and Registry Summary can represent this virtual registry. (C)



[US058]

[CA058 comment]

- ▶ Manual_for_registry
- ▶ Promotion_for_registry
- ▶ SLA_for_registry
- ▶ Verification_for_registry

It is not clear what the purpose and meaning is of the 4 types of document/registry associations.

Are these meant to represent a “complete” set of documents? If so, why, and what is the purpose of each.

Also, if their are meant to represent a complete set, they should be required multiplicity of 1:1.

If not, why are these 4 called out?

[対応]

I would like to consider Registry Summary as a small information set.

Then I would like to make to have three kinds of following Document(s) from that to express registry into the specification of Registry Summary.

- “Manual for registry” explains about how to use registry for registry user.
- “Promotion for registry” explains about "what is this registry".
- “SLA for registry” explains the service level which this registry offers.
- “Verification for registry” will delete.

Future work

- ▶ Draft Sneak Peek CD3 MFI-6
 - Send a document to co-editor(Laura-san) by 31st Oct.
- ▶ Sneak Peek CD3 MFI-6
 - Send a document to WG2-ML by Nov 30.
- ▶ Document for CD3 Balloting by 31st Dec.
(Not DIS)