

“Registered_Item”
for
MFI Registration
(Recommendation)

May 27, 2010

Hajime Horiuchi

Notion

It is needed to make those clear;

- What shall be registered into MFI registries ?
- How metamodel of each MFI part does work for discovering ?
- How much of the semantic of the original models to be represented in the registered models ?

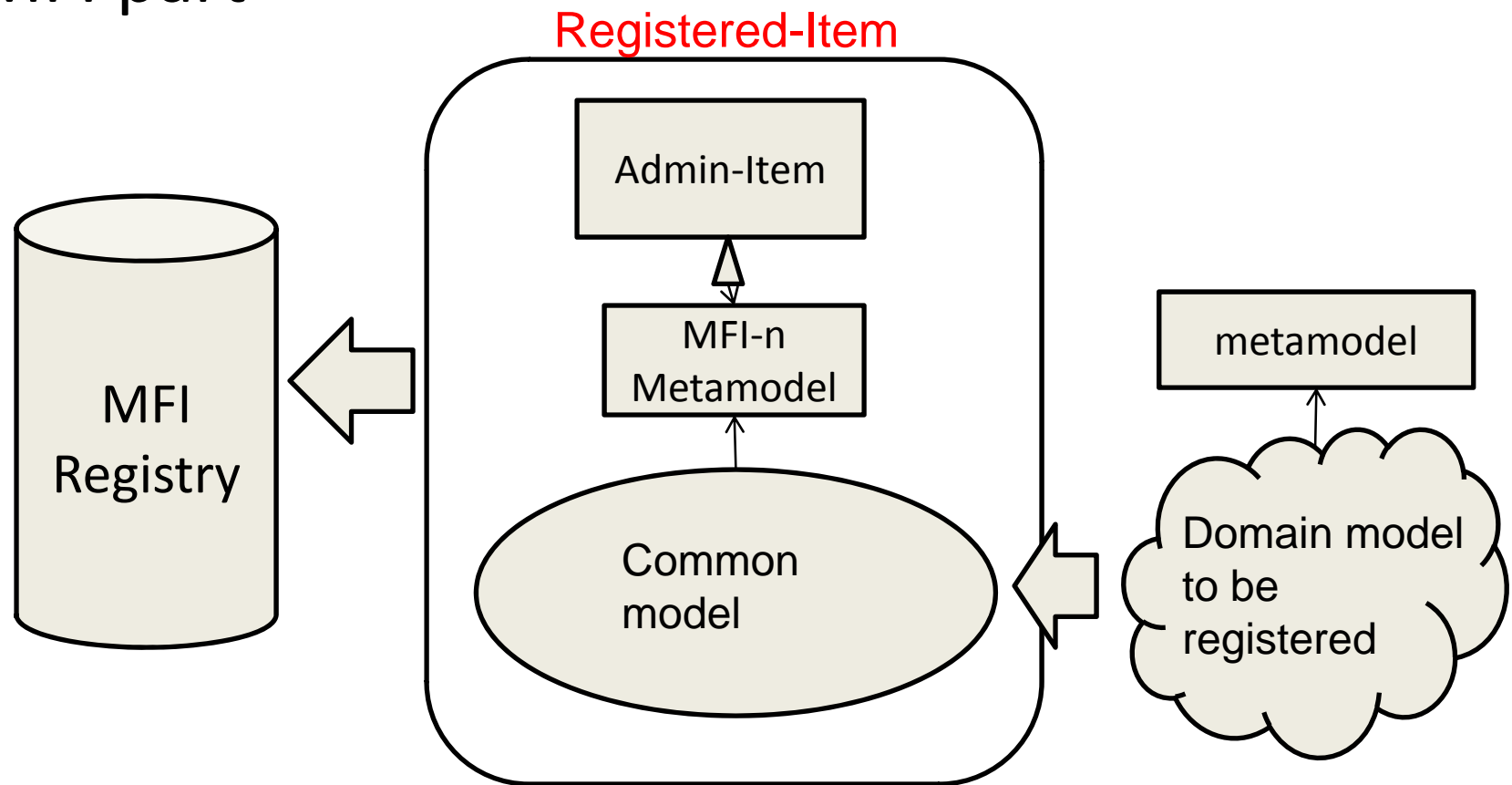
Approaches

Three approaches on metamodel have investigated

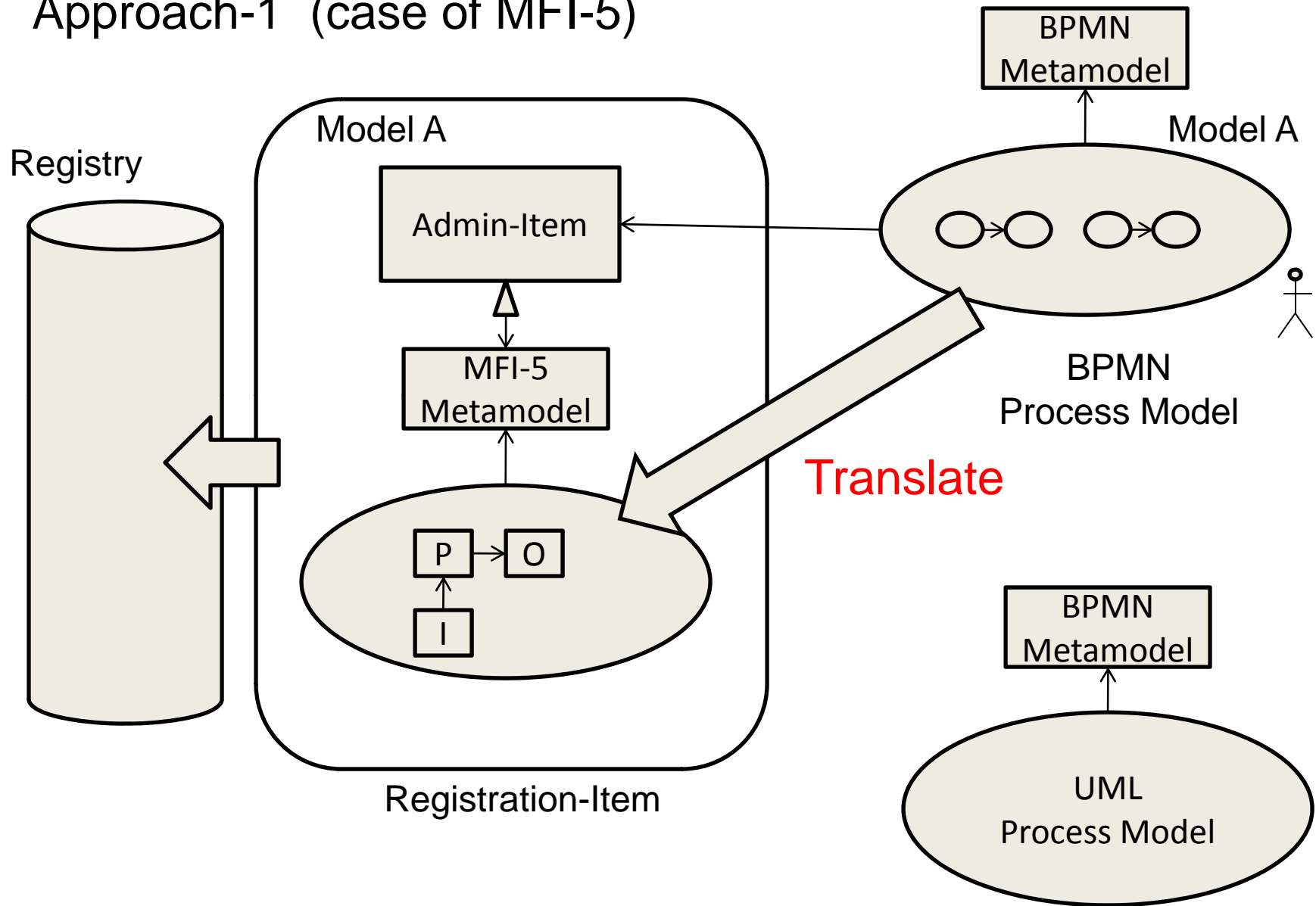
1. Translate original model into common model following MFI metamodel
2. Register the original metamodel and use URI
3. Each MFI metamodel shows the common model at that domain (process, ontology, service,..) , and use URI

Registration requirements

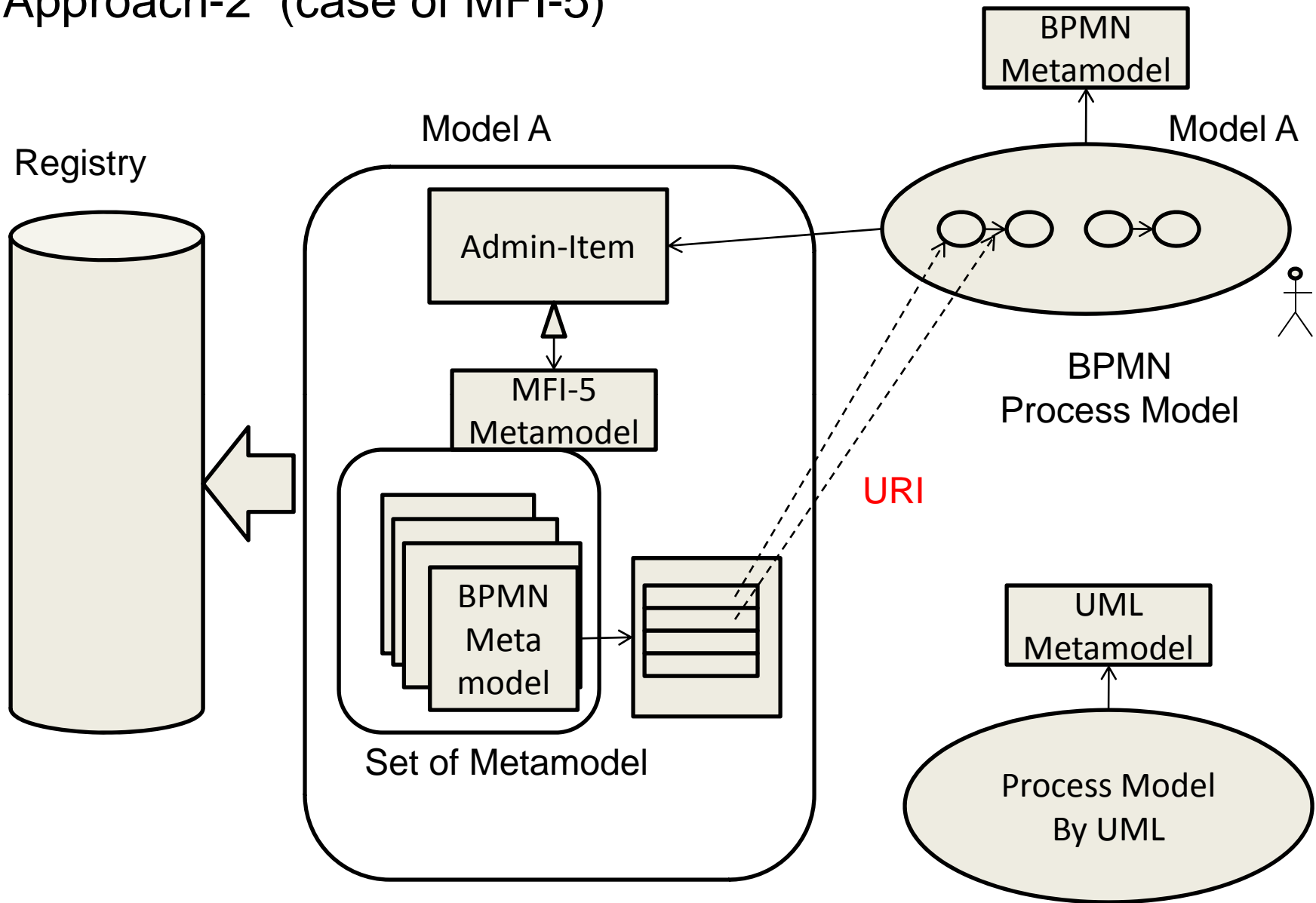
- “Registered_item” should be prepared at each MFI part



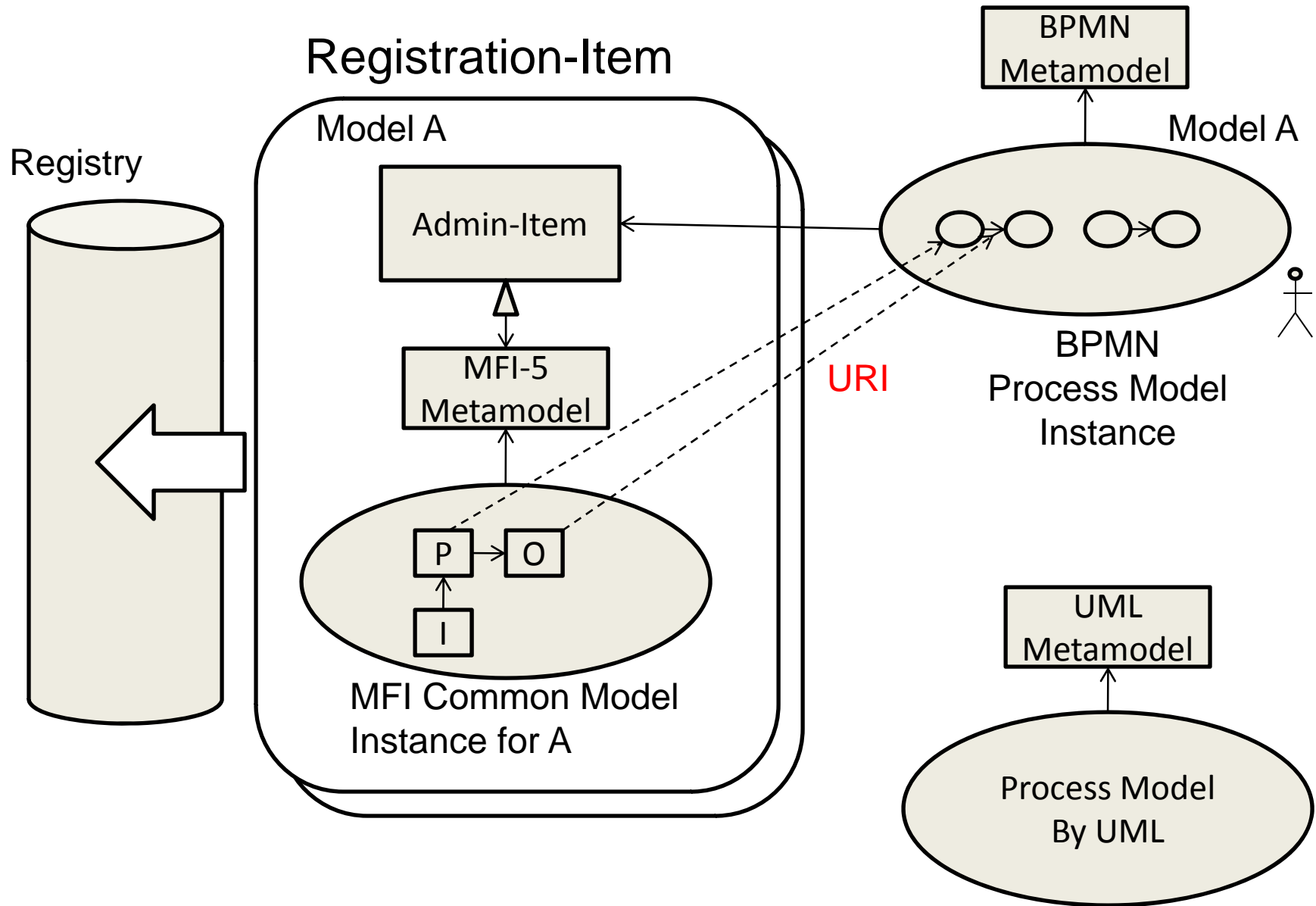
Approach-1 (case of MFI-5)



Approach-2 (case of MFI-5)

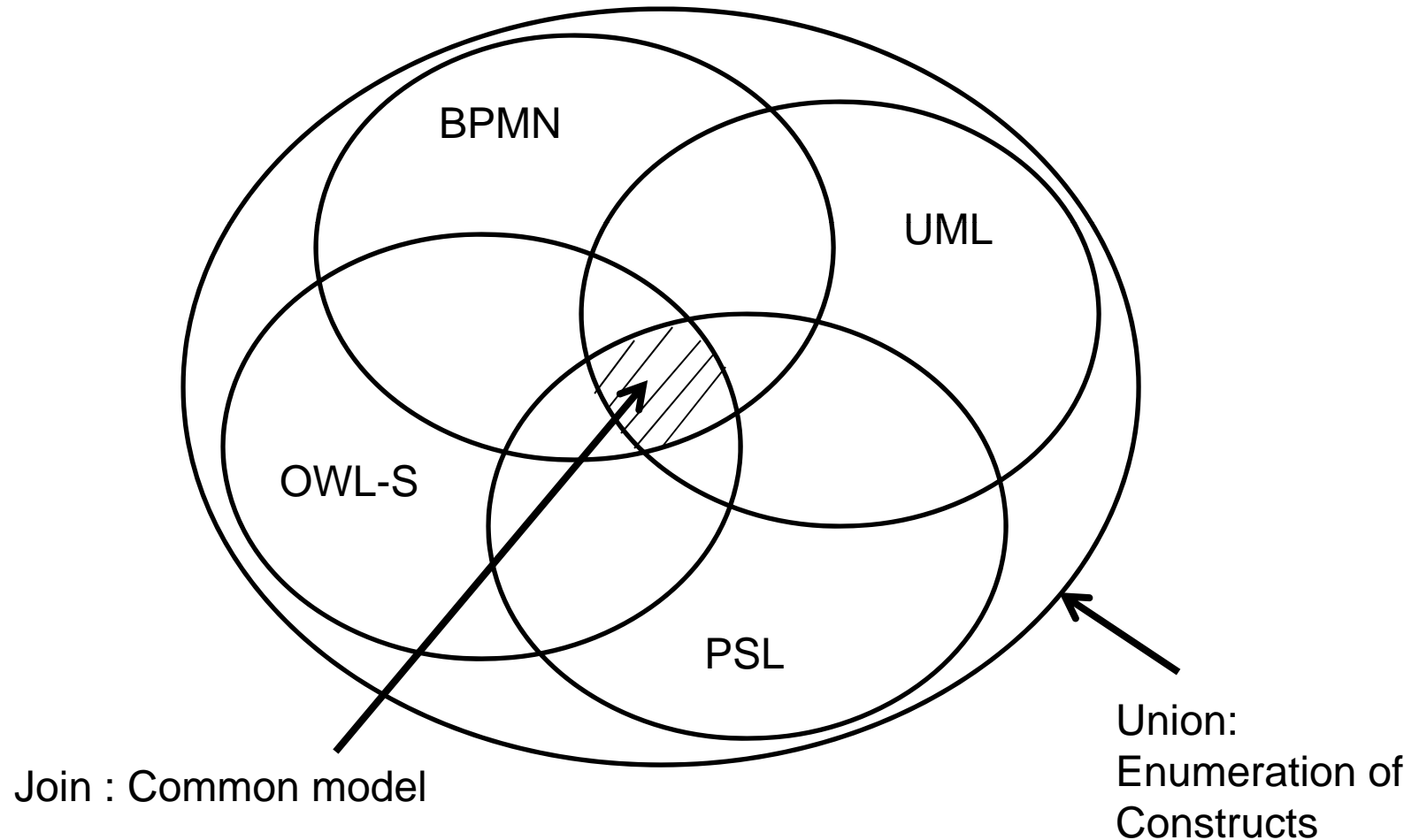


Approach-3 (case of MFI-5)



Issues

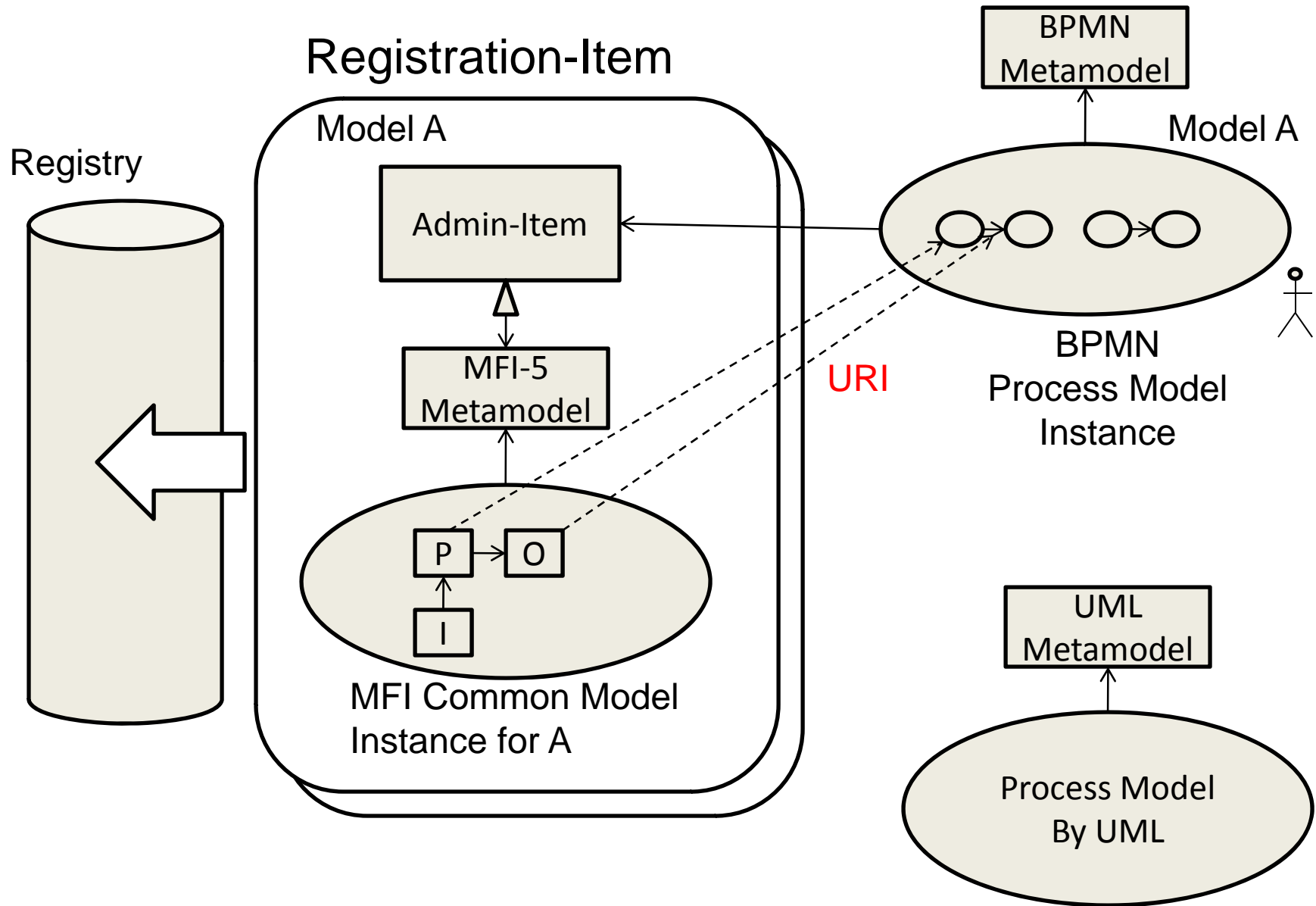
MFI-5 metamodel : Join or Union ?



Recommendation

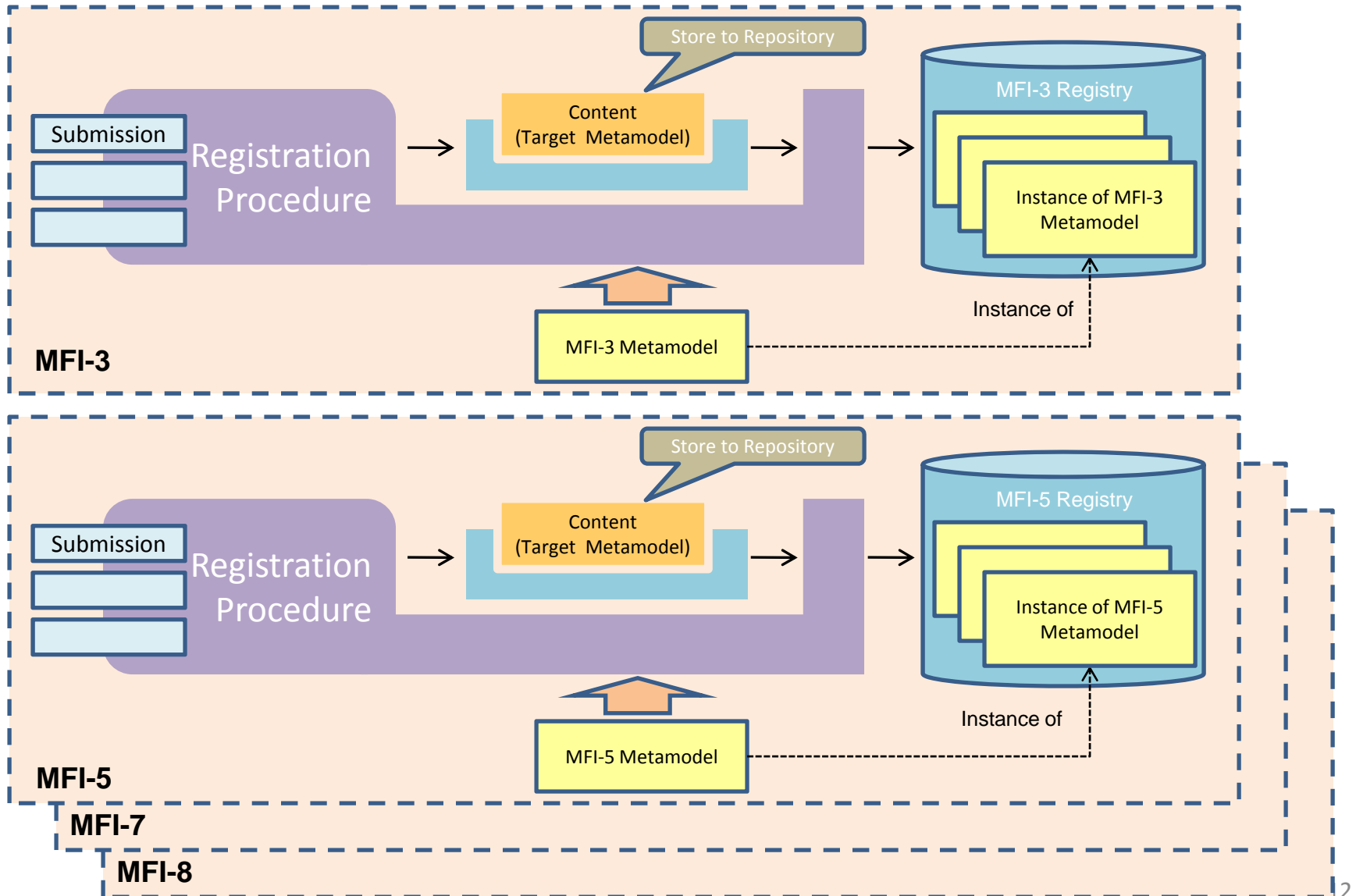
All parts of MFI should follow
the Approach-3.

Approach-3 (case of MFI-5)



Then,.....

Common registration protocol should be available for all parts of MFI



MFI-2(Core model & basic mapping)

