

Topics to be covered in MFI-9: On-Demand Model Selection

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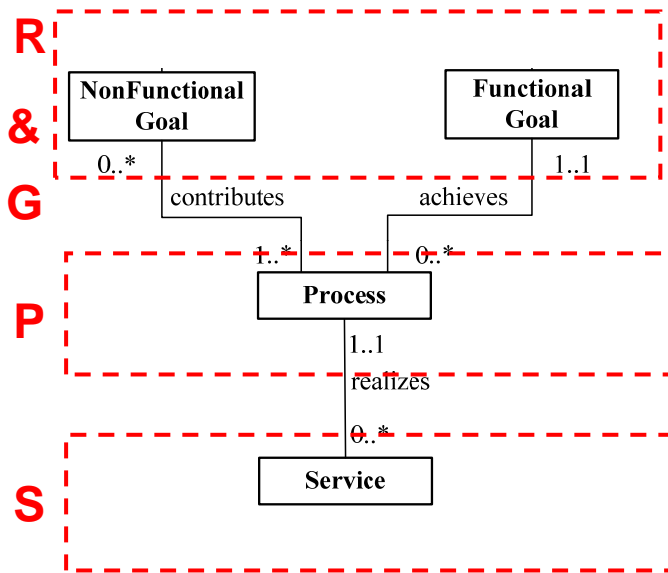
Scope of MFI-9

- This ISO/IEC Technical Report specifies a technical guidelines on how to use R,G,P and S metamodels to select appropriate combinations of models and/or services to meet users' goals.
- It also specifies how to use the RGPS infrastructure to support operational harmonization and interoperability within and between industries.

From resolution of Wuhan Meeting, September, 2008

- Topic 1: Relationship between separate parts of RGPS
- Topic 2: Semantic annotation
- Topic 3: Typical model selection cases
- Topic 4: A comprehensive example
- Topic 5: MFI-9 vs. the other parts of MFI

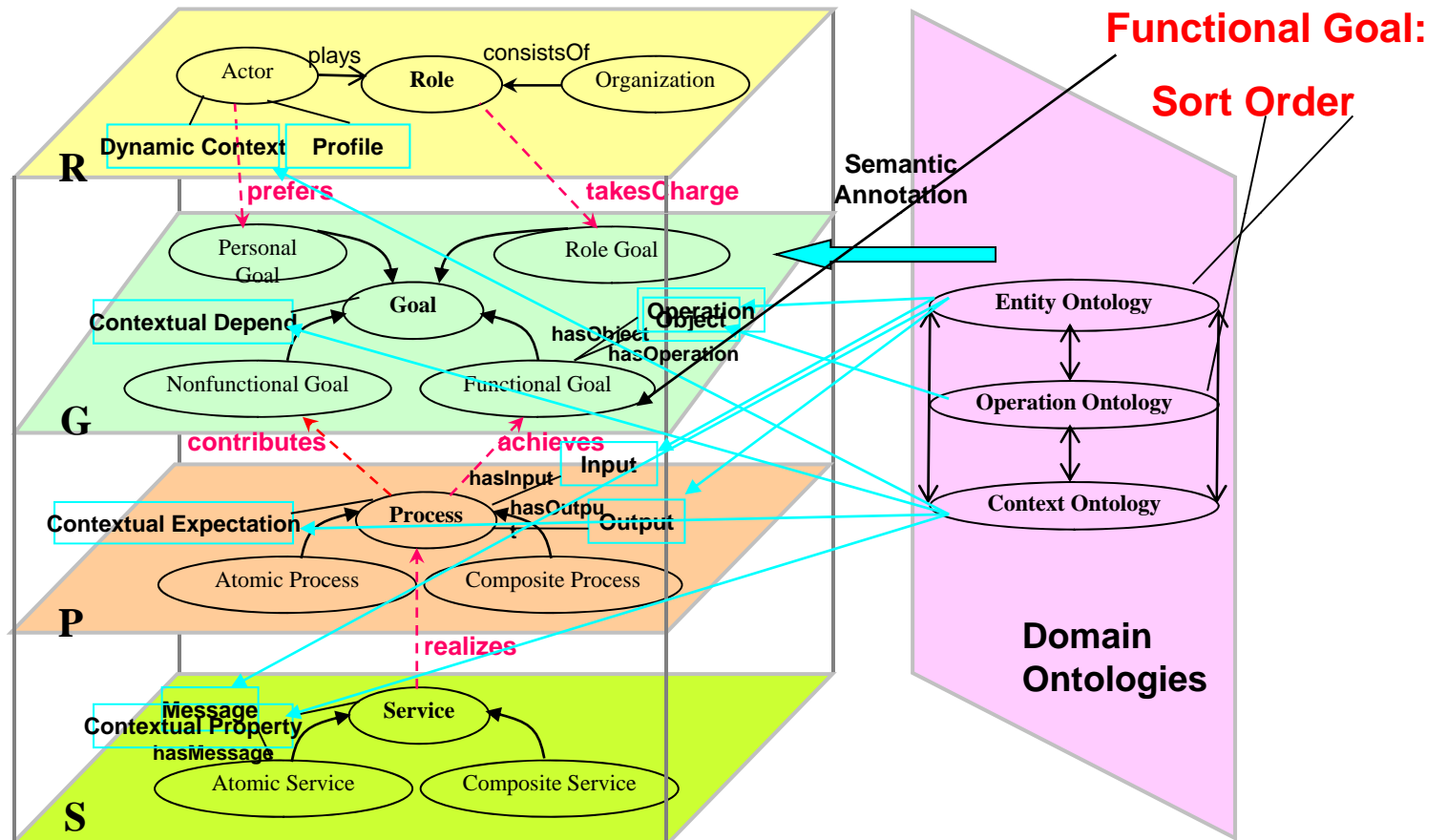
Topic 1: Relationship between separate parts of RGPS



- **Relationships between Goal and Process**
 - *Processes achieve functional goals*
 - *Processes contribute to the fulfillment of nonfunctional goals*
- **Relationships between Process and Service**
 - *A service realizes a process*

The overall relationship is foundation for model selection in MFI-9

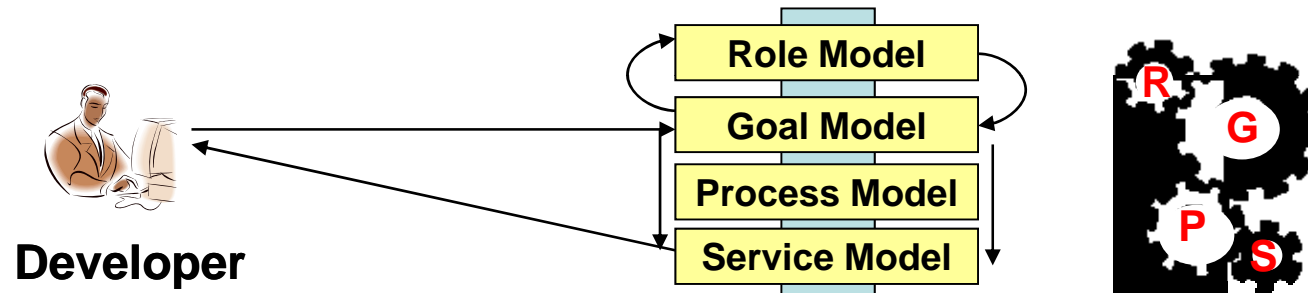
Topic 2: Semantic annotation



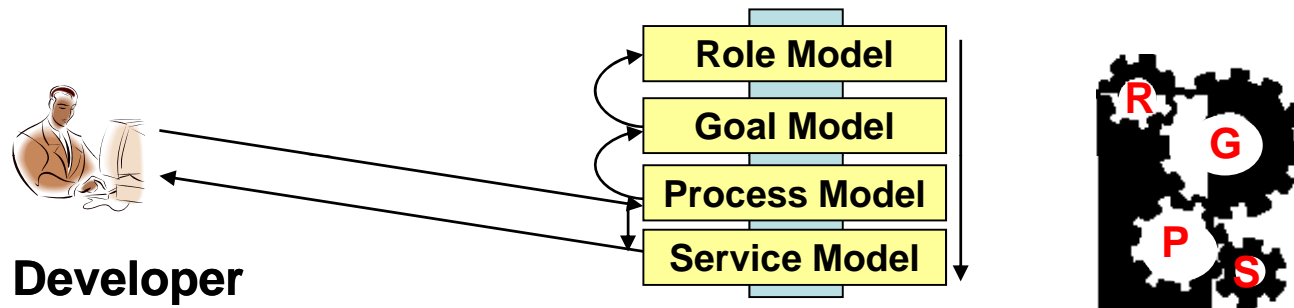
Topic 3: Typical model selection cases

- User's requirement can be expressed by means of **role /goal/process/service**.
- The whole model selection process consists of many steps.
 - Each step may follow the **mapping** between Role->Goal -> Process -> Service.
 - When there is no model that satisfy the requirement, the searching agent should access **the other types of models** to find possibly useful models. In these cases, users will be asked to make further selection or processing.

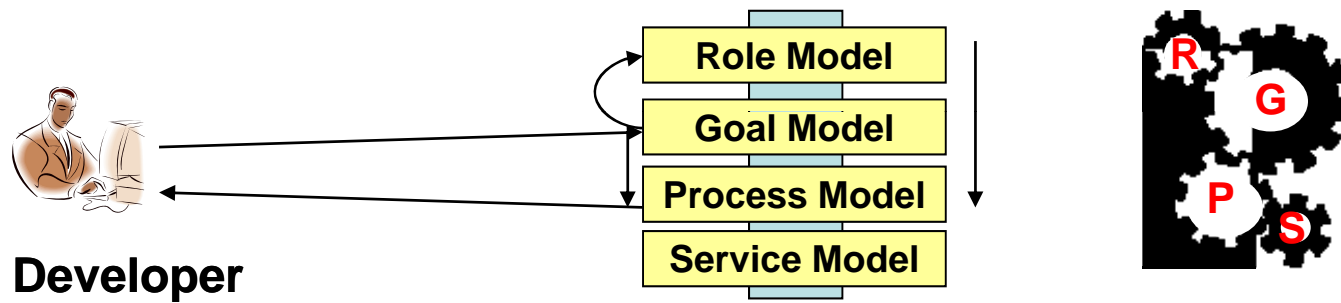
RGPS based model selection process (Case 1)



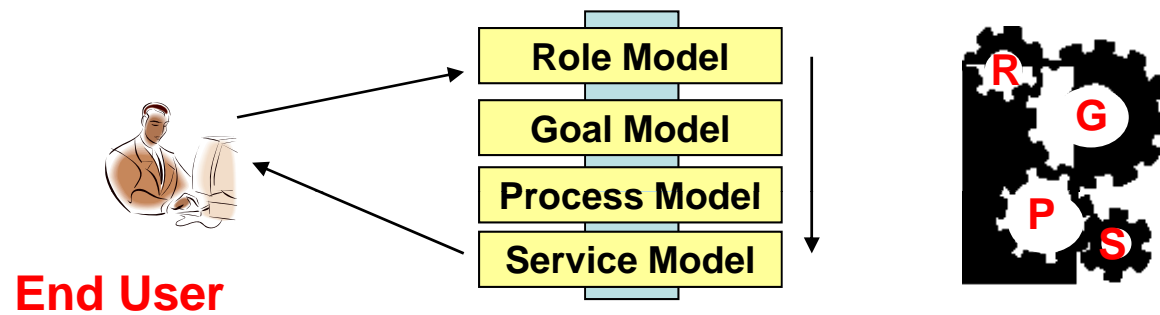
RGPS based model selection process (Case 2)



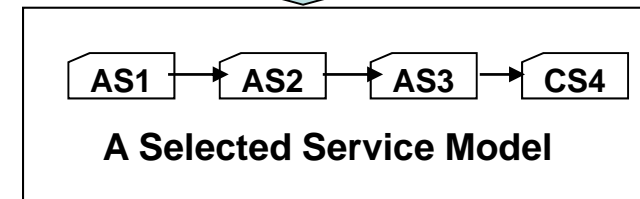
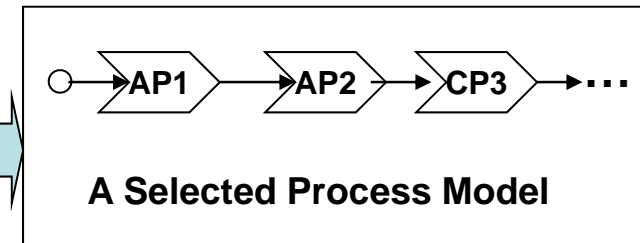
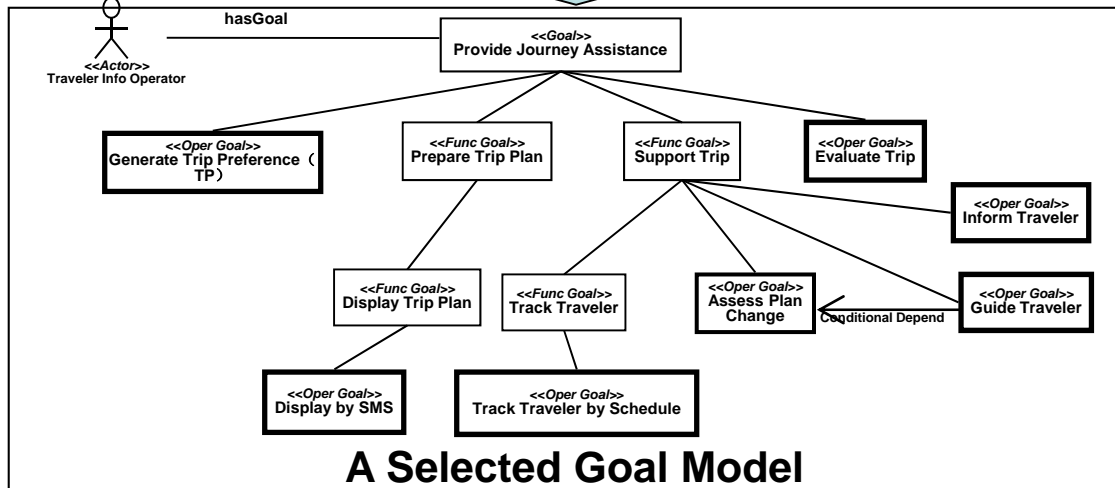
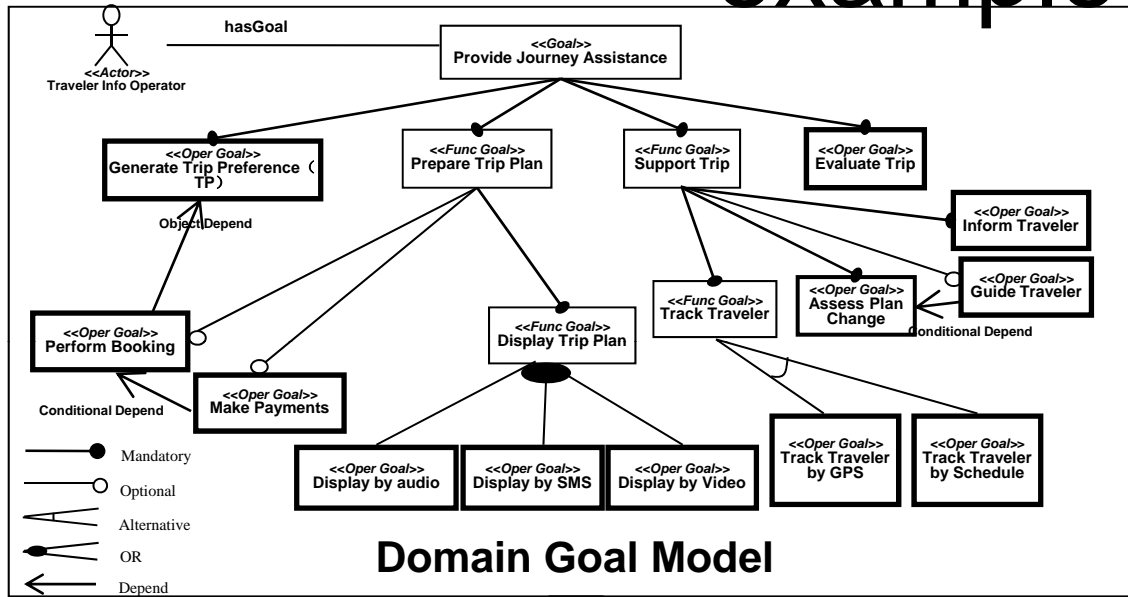
RGPS based model selection process (Case 3)



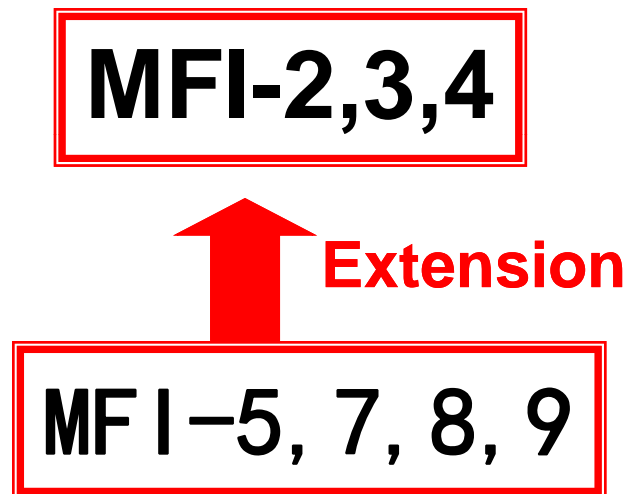
RGPS based model selection process (Case 4)



Topic 4: A comprehensive example



Topic 5: MFI-9 vs. the other parts of MFI



Relationship between RGPS and the other parts of MFI

