

OMG Technical Meeting - Kissimmee, FL, USA -- September 19-23, 2011

**Kissimmee, FL, USA**

TF/SIG

<http://robotics.omg.org/>

		Host	Joint (Invited)	Agenda Item	Purpose	Room
<b>Monday: WG activity</b>						
9:00	12:00			<b>RoIS</b> (Robotic Functional Services) WG(3h): - Su-Young Chi (ETRI), Miki Sato (JARA/ATR) and Toshio Hori (AIST)	discussion	Emerald Bay 5352, 5th FL
12:00	13:00	<b>LUNCH</b>				
13:00	18:00	<b>Architecture Board Plenary</b>				
14:00	17:00			<b>RoIS</b> (Robotic Functional Services) WG(3h): - Su-Young Chi, Miki Sato and Toshio Hori	discussion	Emerald Bay 5352, 5th FL
<b>Tuesday: WG activity</b>						
9:00	12:00			<b>RoIS</b> (Robotic Functional Services) WG(3h): - Su-Young Chi (ETRI), Miki Sato (JARA/ATR) and Toshio Hori (AIST)	discussion	Emerald Bay 5352, 5th FL
12:00	13:00	<b>LUNCH</b>				
13:00	17:00			<b>RoIS</b> (Robotic Functional Services) WG(4h): - Su-Young Chi, Miki Sato and Toshio Hori	discussion	Emerald Bay 5352, 5th FL
<b>Wednesday:</b>						
12:00	14:00	<b>LUNCH and OMG Plenary</b>				
18:00	20:00	<b>OMG Reception</b>				
<b>Thursday:</b>						
12:00	13:00	<b>LUNCH</b>				
13:00	18:00			<b>Architecture Board Plenary</b>		
<b>Friday</b>						
8:30	12:00			<b>AB, DTC, PTC</b>		
12:00	13:00	<b>LUNCH</b>				
<b>Other Meetings of Interest</b>						
<b>Monday</b>						
8:00	8:45	OMG		New Attendee Orientation		
<b>Tuesday</b>						
7:30	9:00	OMG		Liaison ABSC		
<b>Please get the up-to-date version from <a href="http://staff.aist.go.jp/t.kotoku/omg/RoboticsAgenda.pdf">http://staff.aist.go.jp/t.kotoku/omg/RoboticsAgenda.pdf</a></b>						

# List of Issues for RoIS Framework

OMG Kissimmee MTG  
Robotic Functional Service WG  
2011.09.19  
Miki Sato (JARA/ATR)

## issues (1)

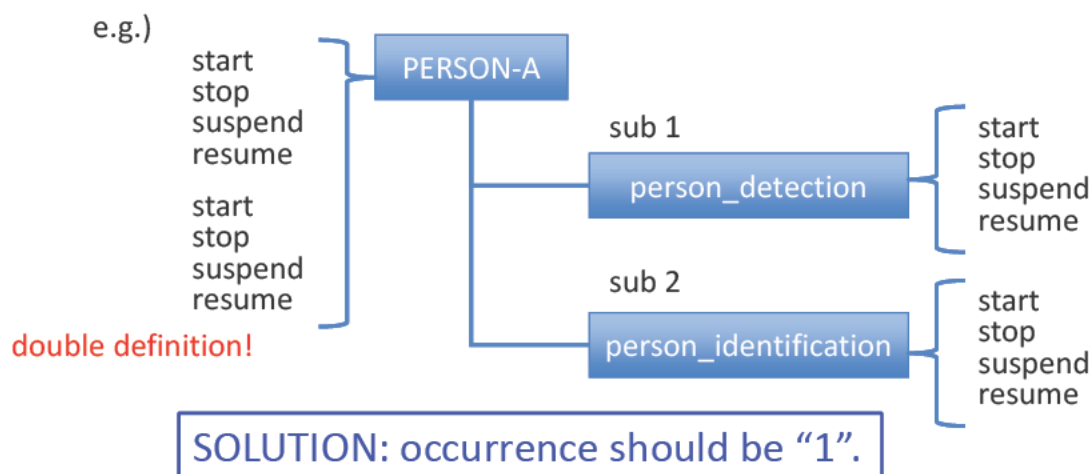
\* How to submit new issues?

1. What version is correct for XMI model on EA?  
(EA ver. 9.0 includes “OMG UML”, but ver. 9.1 does not include the model.)
2. Clarify relationship with ROS, RTC.  
[SOLUTION: UNR-PF architecture and wrapping ROS & RTC.](#)
3. Verify the ETRI’s implementation.
4. “condition” is not defined in detail.
5. In 7.5.2 “Command\_Message\_Profile”, there is no profile for the result parameters related with 7.4.3.2 “Command Result Message”.
6. In 7.4.3 “Message Data”, there is no definition of “Error Message” for “get\_error\_detail” method, and there is no profile for the result parameters for this message in 7.5.2.

## issues (2)

- In Table 29 “Component Profile”, occurrence of sub\_component is N.

For example, if the each sub component include “RoIS\_Common” as their sub\_component, what will happen?



## issues (3)

- In Table 30 “HRI\_Engine\_Profile”, parameters of HRI engine is defined in this profile. However, these parameter should be defined in the Component Profile of “System Information Component” for this Engine.

→Need more discussions.

- In Figure 17, “RoIS\_Common” should be deleted.
- In Table 34 “System Information”, “robot ref(List<RoIS\_Identifier>)” is required for “robot\_position” and “position\_data” should be List<Data>.

## issues (4)

11. In Table 36 “person\_localization”( and other localization components), parameters of sensing-cycle and/or resolution (minimum position difference which sensor can distinguish) are required. These parameters should be added for (optional ) get\_parameter. Detection-cycle (multiple of sensing-cycle) and Detection-difference (larger than resolution) may be set by set\_parameter.

## issues (5)

12. In Table 44 “speech synthesis”, data type of the argument and result parameter of “character” should be “RoIS\_Identifier”.

# List of Issues for RoIS Framework

OMG Kissimmee MTG  
Robotic Functional Service WG  
2011.09.20  
Miki Sato (JARA/ATR)

## issues (1)

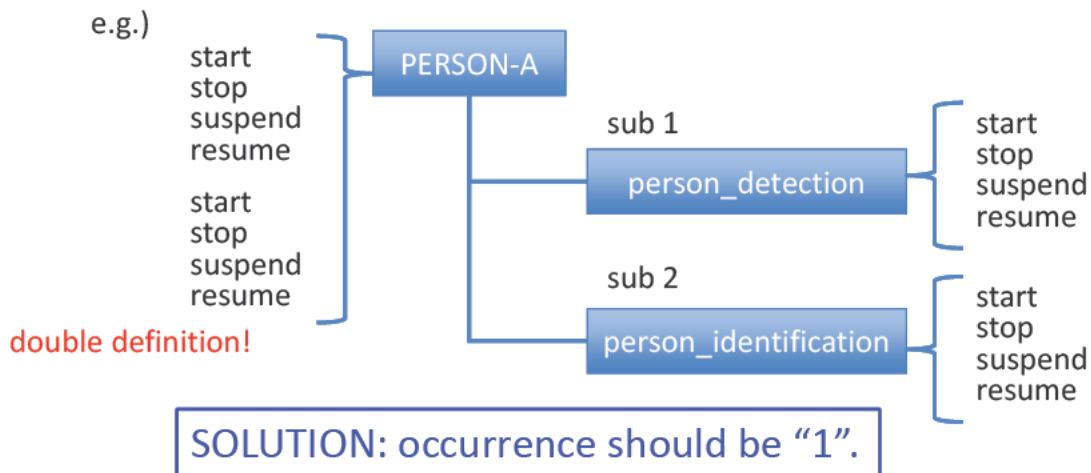
\* How to submit new issues?

1. What version is correct for XMI model on EA?  
(EA ver. 9.0 includes “OMG UML”, but ver. 9.1 does not include the model.)  
SOLUTION: USE UML2.3
2. Clarify relationship with ROS, RTC.  
→Add description of UNR-PF architecture and wrapping ROS & RTC.
3. Verify the ETRI’s implementation.
4. “condition” is not defined in detail.  
→ Add some examples in Appendix. Need more discussion.
5. In 7.5.2 “Command\_Message\_Profile”, there is no profile for the result parameters related with 7.4.3.2 “Command Result Message”.
6. In 7.4.3 “Message Data”, there is no definition of “Error Message” for “get\_error\_detail” method, and there is no profile for the result parameters for this message in 7.5.2.

## issues (2)

7. In Table 29 “Component Profile”, occurrence of sub\_component is N.

For example, if the each sub component include “RoIS\_Common” as their sub\_component, what will happen?



## issues (3)

8. In Table 30 “HRI\_Engine\_Profile”, parameters of HRI engine is defined in this profile. However, these parameter should be defined in the Component Profile of “System Information Component” for this Engine.

→Need more discussions.

9. In Figure 17, “RoIS\_Common” should be deleted.
10. In Table 34 “System Information”, “robot ref(List<RoIS\_Identifier>)” is required for “robot\_position” and “position\_data” should be List<Data>.

## issues (4)

11. In Table 36 “person\_localization”( and other localization components), parameters of sensing-cycle and/or resolution (minimum position difference which sensor can distinguish) are required. These parameters should be added for (optional ) get\_parameter. Detection-cycle (multiple of sensing-cycle) and Detection-difference (larger than resolution) may be set by set\_parameter.

## issues (5)

12. In Table 44 “speech synthesis”, data type of the argument and result parameter of “character” should be “RoIS\_Identifier”.
13. In 4.1. “Normative References”, ISO19143 should be added in the list.
14. In Table 7 “Error Type”, “PROFILE\_CHANGED( tentative name )” should be added in the enumeration.
15. P.23 line 3, “each type of error” -> “each error”.
16. condition of “get\_error\_detail,” “get\_command\_result,” “get\_event\_detail” can be omitted. Need more discussions.

# condition

## 1. get\_profile / search / bind\_any

→"condition" is mainly used for selecting Engine/Component.

engine\_name, engine\_ref, System Information( position, status(only for get\_profile), operable time ), component\_name, component\_ref can be used as "common condition". Other conditions may be treated as "component specific condition".

## 2. get\_error\_detail / command\_result / event\_detail

→ID for each message is enough for this purpose. "condition" can be omitted.

## 3. query

→same as 1.

## 4. subscribe

→ There are two types, i.e., condition for selecting engine/component and condition for event occurrence. Need more discussions



		TF/SIG					
		Host	Joint (Invited)	Agenda Item		Purpose	Room
<b>Sunday: WG activities(pm)</b>							
13:00	17:00			Robotics DDC4RTC submitters meeting		Arrangement	
<b>Monday: WG activity and Robotics-DTF Plenary(am)</b>							
9:00	11:00			Robotics DDC4RTC submitters meeting		Arrangement	
?	?	MARS	Robotics	<b>Revised Submission for DDC4RTC RFP Review, Vote-to-Vote, and Voting</b> - Noriaki Ando (AIST) and Seung-Woog Jung (ETRI)		Joint with MARS	
12:00	13:00	<b>LUNCH</b>					
13:00	18:00	<b>Architecture Board Plenary</b>					
13:00	18:00			DDC4RTC (Robotic Infrastructure) WG(5h) - Noriaki Ando (AIST) and Seung-Woog Jung (ETRI)		discussion	
				RoIS (Robotic Functional Services) WG(5h): - Su-Young Chi (ETRI), Miki Sato (JARA/ATR) and Toshio Hori (AIST)		discussion	
<b>Tuesday: WG activity(am) and Robotics-DTF Plenary(pm)</b>							
9:00	11:00			DDC4RTC (Robotic Infrastructure) WG(2h) - Noriaki Ando (AIST) and Seung-Woog Jung (ETRI)		discussion	
11:00	12:00	Robotics		<b>Special Talk: (1h)</b> - TBA		Robotics plenary closing	
12:00	13:00	<b>LUNCH</b>					
13:00	13:45	Robotics		Special Talk: (45min) - TBA		presentation and discussion	
13:45	14:30	Robotics		Special Talk: (45min) - TBA		presentation and discussion	
		<b>Break (30min)</b>					
15:00	15:30	Robotics		Talk: (30min) - TBA		presentation and discussion	
15:30	16:10	Robotics		WG Reports and Discussion (Service WG, Infrastructure WG, Models in Robotics WG)		presentation and discussion	
16:10	16:30	Robotics		Contact Reports: - Makoto Mizukawa(Shibaura-IT), and Young-Jo Cho(ETRI)		Information Exchange	
16:30	17:00	Robotics		Robotics-DTF Plenary Wrap-up Session <b>(DTF Co-Chair Election, Roadmap and Next meeting Agenda)</b>		Robotics plenary closing	
17:00				Adjourn joint plenary meeting			
17:00	17:30			Robotics WG Co-chairs Planning Session (Preliminary Agenda for next TM, Draft report for Friday)		planning for next meeting	
<b>Wednesday: WG activity</b>							
9:00	12:00			DDC4RTC (Robotic Infrastructure) WG(3h) - Noriaki Ando and Seung-Woog Jung		discussion	
				RoIS (Robotic Functional Services) WG(3h): - Su-Young Chi, Miki Sato and Toshio Hori		discussion	
12:00	14:00	<b>LUNCH and OMG Plenary</b>					
14:00	18:00			DDC4RTC (Robotic Infrastructure) WG(4h) - Noriaki Ando and Seung-Woog Jung		discussion	
				RoIS (Robotic Functional Services) WG(4h): - Su-Young Chi, Miki Sato and Toshio Hori		discussion	
18:00	20:00	<b>OMG Reception</b>					
<b>Thursday: WG activity</b>							
?	?	MARS		Joint Plenary with MARS (tentative) (reserved for DDC4RTC RFP Re-Review and Voting)		Joint with MARS	
9:00	12:00			Robotics WG activity follow-up		discussion	
12:00	13:00	<b>LUNCH</b>					
13:00	18:00	<b>Architecture Board Plenary</b>					
13:00	18:00			Robotics WG activity follow-up		discussion	
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