

CSI case study - Definitions Sanitization

Hello everyone, the purpose of this form is to capture the semantic relationship between event and measures of the CSI case-study, these relationships are application specific or common-knowledge.

* Indicates required question

1. Could you please give your current time

Example: 8:30 AM

2. Given this justification: "*If the robot needs to avoid bumping into something or someone, it should not increase its speed.*" *

Is **AvoidBumping** mutual exclusive with **IncreaseSpeed**?

If you have a justification, provided it in others.

Check all that apply.

☐ Yes

☐ No

☐ Other: _____

3. Given this justification: "*If the robot stops action, it clearly means it can't be in state of moving*". *

Is **RobotStopAction** mutual exclusive with **RobotMoving**?

If you have a justification, provided it in others.

Check all that apply.

☐ Yes

☐ No

☐ Other: _____

4. Given this justification: "*If the robot needs to minimize its cooperation with other cobots, it can't prioritise humans at same time.*" *

Is **MinimizeCobotCollaboration** mutual exclusive with **PrioritizeHumans**?

If you have a justification, provided it in others.

Check all that apply.

☐ Yes

☐ No

☐ Other: _____

5. Given this justification: "*If a human says stop, the robot should not be continuing its work.*" *

Is **HumanSaysStop** mutual exclusive with **RobotWorking**?

If you have a justification, provided it in others.

Check all that apply.

☐ Yes

☐ No

☐ Other: _____

6. Given this justification: "*If a human re-enables the robot, this specifically implies that the human has asked the robot to stop before.*" *

Is **humanReEnables** mutual exclusive with **HumanSaysStop**?

If you have a justification, a note to add if something is unclear, provide it in others.

Check all that apply.

☐ Yes

☐ No

☐ Other: _____

7. Given this justification: "*Availability of a route strictly depends on absence of obstacles, hence inverting 'obstaclePresent' will give us 'routeAvailable'*". *

Is **routeAvailable** equivalent to **obstaclePresent**?

If you have a justification, a note to add if something is unclear, provide it in others.

Check all that apply.

☐ Yes

☐ No

☐ Other: _____

8. Could you please fill the current time after filling this form?

Example: 8:30 AM

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