Safescade case study - Definitions Sanitization

Hello everyone, the purpose of this form is to capture the semantic relationship between event and measures of the Safescade 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: "*UserDriving and SystemDriving conflict as both cannot take place at the same time*".
   Is **UserDriving** mutual exclusive with **SystemDriving**?
   If you have a justification, provided it in others.

   *

   Check all that apply.

   ☐ Yes

   ☐ No

   ☐ Other: _____

3. Given this justification: "*An autonomous component cannot function if the system is not on*".
   Is **StopAutonomousComponent** mutual exclusive with **SystemOn**?
   If you have a justification, provided it in others.

   *

   Check all that apply.

   ☐ Yes

   ☐ No

   ☐ Other: _____

4.　Given this justification: "*A user cannot turn off a system they have entered*". *
　　Is **UserEnters** mutual exclusive with **UserCanTurnOffSystem**?
　　If you have a justification, provided it in others.

Check all that apply.

☐ Yes

☐ No

☐ Other: _____

5.　Given this justification: "*If a user wants control, the system cannot take control* *
　　for safety".
　　Is **UserWantsControl** mutual exclusive with **TakeControlForSafety**?
　　If you have a justification, provided it in others.

Check all that apply.

☐ Yes

☐ No

☐ Other: _____

6.　Given this justification: *"The presence of a relevant object nearby implies that* *
　　there is an object nearby".
　　Is **objectNearby** implying **relevantObjectNearby**?
　　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: "*An impaired user likely does not follow the rules, hence*   *
   these measures are mutually exclusive"
   Is **userImpaired** mutual exclusive with **rulesFollowed**?
   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. Given this justification: "*Substance use and health are generally mutually*   *
   exclusive because using substances harms health."
   Is **substanceUse** mutual exclusive with **health**?
   If you have a justification, a note to add if something is unclear, provide it in others.

   Check all that apply.

   ☐ Yes
   ☐ No

   ☐ Other: _____

9. Given this justification: "*Warning signal off and alert signal on cannot occur*   *
   simultaneously, making them mutually exclusive measures"
   Is **warningSignalOff** mutual exclusive with **alertSignalOn**?
   If you have a justification, a note to add if something is unclear, provide it in others.

   Check all that apply.

   ☐ Yes
   ☐ No

   ☐ Other: _____

10. Given this justification: "*Both are the same measures but with different names."* *
    Is **relevantObjectNearby** equivalent to **objectNearby**?
    If you have a justification, a note to add if something is unclear, provide it in others.

    Check all that apply.

    ☐ Yes
    ☐ No
    ☐ Other: _____

11. Given this justification: "*Both measures are the same, implying user's*   *
    understanding and notice".
    Is **userNotice** equivalent to **userUnderstands**?
    If you have a justification, a note to add if something is unclear, provide it in others.

    Check all that apply.

    ☐ Yes
    ☐ No
    ☐ Other: _____

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

    _____

    Example: 8:30 AM

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