



Annotation 1

Discover Process Problem:

What if this action does not complete or does not complete on time?

Transparency (Observability)

How could the problem be detected by a HA/MA?

The Inbound Location Sensor System (ILSS) detects the problem based on a defined time out

Transparency (Predictability)

How well could the next intended action of the HA/MA be inferred?

Augmented Cognition (Directing Attention)

How could the HA/MA be made aware of the problem?

The ILSS informs the HA via an acustic signal Augmented Cognition (Solution Exploration)

How could the HA/MA be supported in finding candidate solutions for solving the problem?

The ILSS sends a notification message to the HA suggesting to reposition the item

Augmented Cognition (Adaptability)

How could the HA/MA select the best solutions and solve the problem?

Coordination (Directability)

How well could the HA direct the resources of the MA?

Coordination (Calibrated Trust)

How could the level between the HA and the MA be improved?

Coordination (Common Ground)

How could the sharing of knowledge (beliefs, assumptions?) between the HA and the MA be improved?

- The HA uses color markers as a guideline to reposition the item

- The HA refers to the user manual of the ILSS

Requirement 1

Requirement Type: MA Requirement

Requirement Description: The ILSS should provide a notification feature to inform a HA about issues concerning the automated reading of good and transport assignment information Requirement Priority: Medium

Possible Adaptations

Adaptation Description: The ILSS behavior is adapted to trigger an acustic signal after a timeout. A process supervisor is introduced, who receives this signal and then resolves the issue. Adaptation Description: The ILSS behavior is adapted to send a notification message after a timeout. A process supervisor is introduced, who receives the notification message on his smartphone and then resolves the issue.

Requirement 2

Requirement Type: Environment Requirement
Requirement Description: The inbound location should use color
markers to show the correct positioning of a good
Requirement Priority: Medium

Possible Adaptations

Adaptation Description: These color markers are used during the adaptations of requirement 1 to help a process supervisor resolve possible positioning problems.









