GRSP INFORMAL GROUP ON CRS PHASE III - 3rd WORKSHOP

Schemas of seatbelt routes and main results

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Notes:
- Parents during the workshop « intuitive installation »
- Rocking shell
- Pretension of seatbelt when shell is pulled back.
Notes:
- No critical installation
- Seatbelt lockers
- Seatbelt route close the one of « adult use ».

Ease of use: 3,7

Confidence installation: 3,7
Ease of use: 1.9
Confidence installation: 1.6

Notes:
- Correct seatbelt route close to previous one
- Seatbelt lockers
- Installed in wrong facing direction 5x /9
- Confusion due to 2 seatbelt routes
Ease of use: 2.4

Confidence installation: 3

Notes:
- on a large sample in field studies, obtained the best installation rate
- Rotating shell
- Pretension of seatbelt
Ease of use: 3.6
Confidence installation: 3.8

Notes:
- No critical misuse
- Not so often correctly installed
- Pretension of seatbelt
Ease of use: 3.8

Confidence installation: 4

Notes:
- Harness absent during exercise
- Best rate of correct installation
- Seatbelt lockers
Ease of use: 2
Confidence installation: 2.5

Notes:
- Highest incorrect installation rate
- Lot of severe misuse
- Rated as worst system during workshop
1vs2vs3: seatbelt route not very far one from the other but n°3 has 2 possible seatbelt routes which is confusing users (too many routing devices).

4 and 5: seatbelt route really different from other systems but leading to few severe misuse: most of them are linked with CRS specificities (seatbelt pretensioner, …)

6: seatbelt route close to the one of n°1 and 2, two possible seatbelt routes, not leading to confusion during the workshop (but observed in field studies)

7: seatbelt route difficult to understand and to properly reproduce. Two possible seatbelt route, many severe misuse

Reflections from the participants:
- Mirror views of pictograms on / each side of the CRS would be helpful to improve the confidence in the installation.
- Places where the seatbelt have to go through should offer sufficient space for « normal hands »