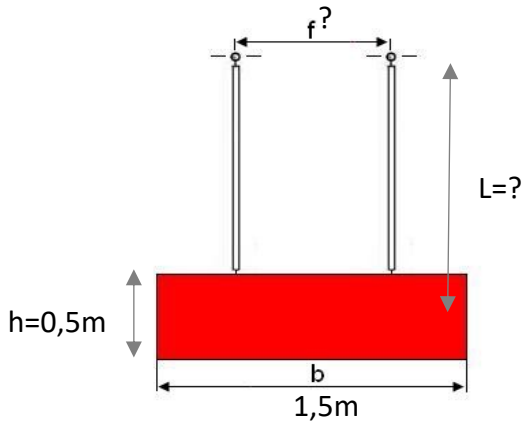
OICA-TF 09/30/2022: Configurations of the alternative lateral impact test §7.2.4.3

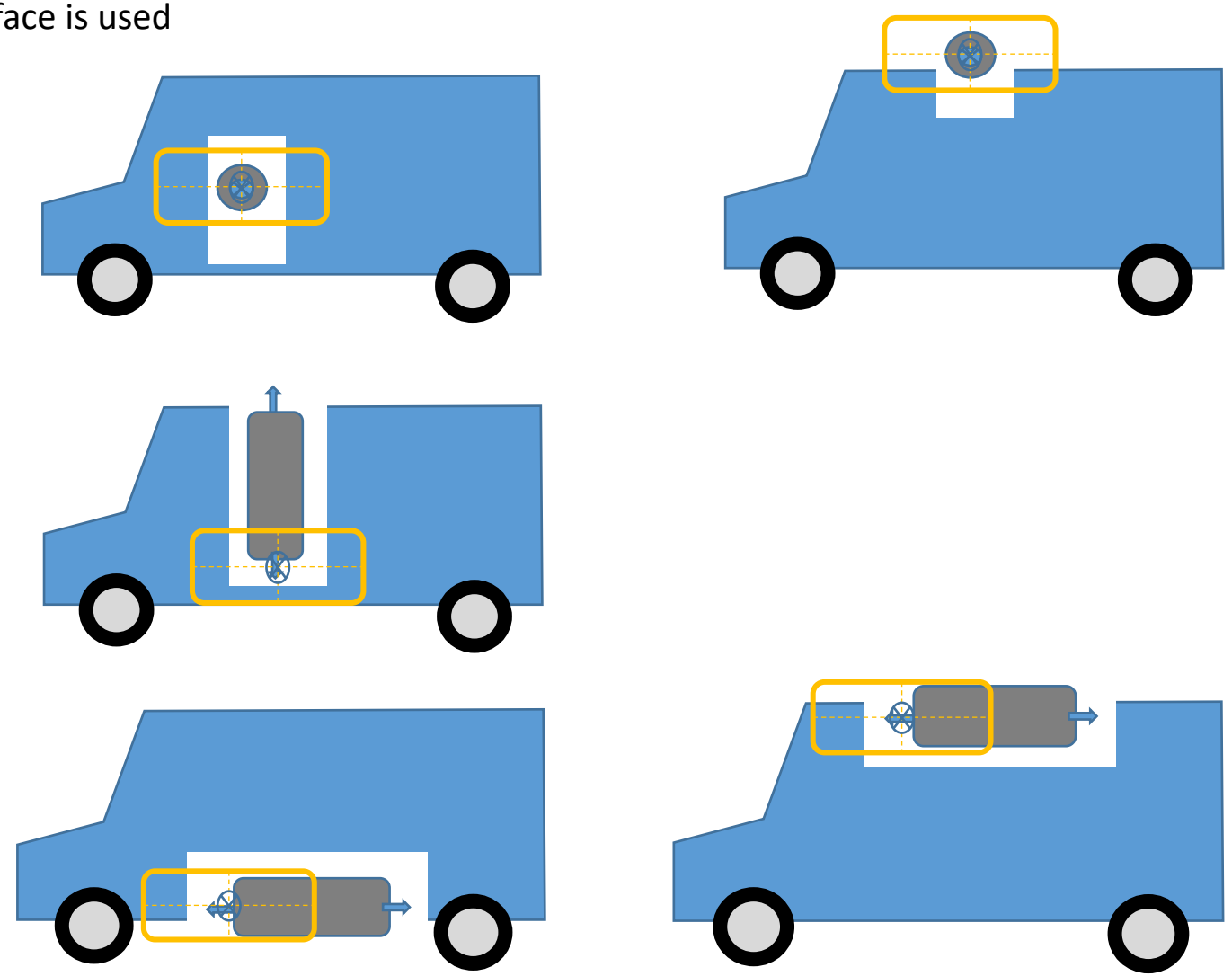
Energy: Equal to 90 KJ (950 kg@50kph), if UN-R95 Annex 5 face is used

Deformable face mounted on a:

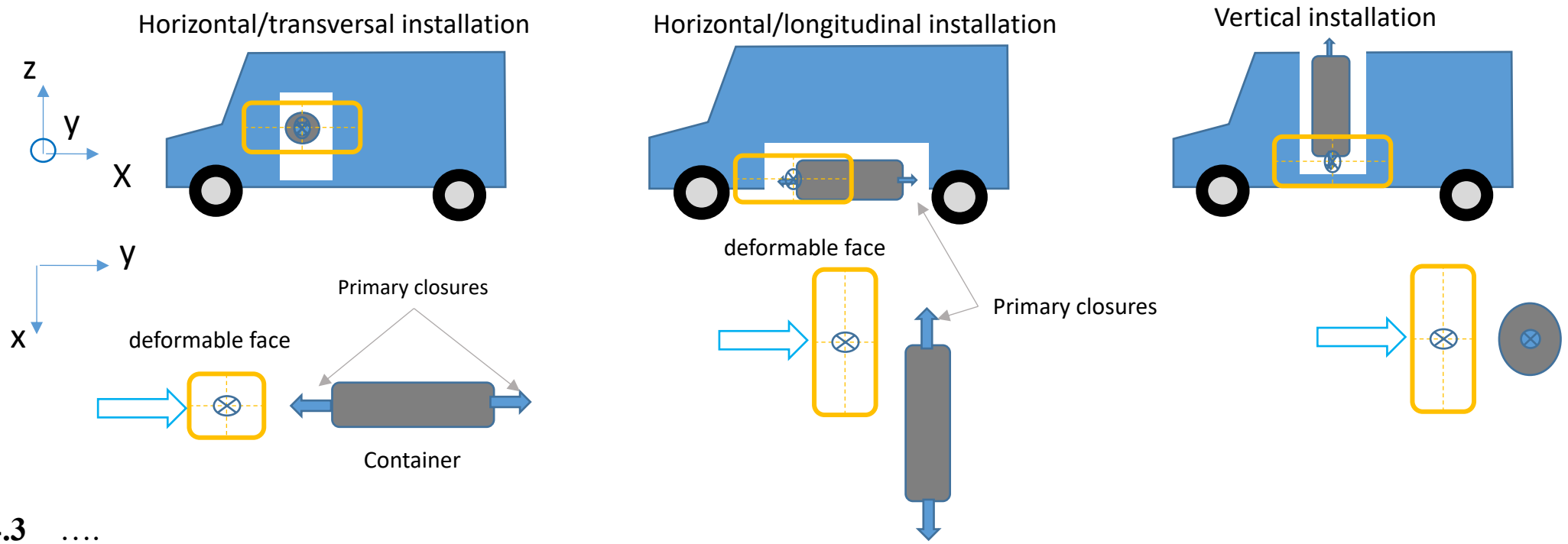
1. Pendulum
2. Drop tower
3. Moving trolley

Pendulum





deformable face



§ 7.2.4.3 ….

§ 7.2.4.3.1 ….

Amend § 7.2.4.3.2. ~~Movable deformable barrier~~ Impactor (striker)

The ~~The movable deformable barrier (MDB)~~ the impactor includes both a deformable face and rigid support structure. The characteristics of the deformable face shall comply with the requirements of UN Regulation No 95 Annex 5. The impactor face may either mounted on a pendulum, a drop tower or be secured to a carriage (moving barrier).

Amend § 7.2.4.3.3. Lateral impact on compressed hydrogen storage system

The impactor energy shall be 90 KJ ~~MDB speed at the moment of impact shall be 50 ± 1 km/h~~. However, if the test was performed at a higher impact energy ~~speed~~ and the compressed hydrogen storage system met the requirements, the test shall be considered satisfactory. The impact direction shall be in an angle of 90° to the longitudinal axis of the test set-up as defined in paragraph 7.2.4.3.1. and the **CHSS** ~~container~~ shall be adjusted in a way that the middle of the front plate of the barrier matches the **target point** middle of the primary closure location ~~container~~ in the horizontal and vertical. In case more than one primary closure location, the worst case impact area shall be selected for the test in agreement wit the technical service**.** ~~**The target point of the container is on the central height of the container and [300 mm apart from the far-end of the primary closure devices]**~~