

Existing descriptor for vehicle velocity

Velocity test object 1 :13.89
Impact side test object 1 :FR
...
Velocity test object 2 :0.0
Impact side test object 2 :LE

Direction of the velocity is determined by "Impact side test object" descriptor.

A: first idea on additional descriptor for "lateral velocity" and "nominal velocity"

123456789012345678901234567890
Lat. vel. test object x :0
Nom. lat. vel. test object x:0
or Nominal vel. test object x :0

-> to many abbreviated terms

B: EuroNCAP TB021 V4.1 active safety (old)

123456789012345678901234567890
Velocity test object x lon. :0
Velocity test object x lat. :0

B2: EuroNCAP CA004 V1.0 (new)

Velocity longitudinal TOB 1 :
Velocity lateral TOB 1 :

-> similar to existing descriptors

C: Naming variants with "TOB" abbreviation

-> more space for descriptive parts; less abbreviations

123456789012345678901234567890
Longitudinal velocity TOB x :0 (intended for active safety)
Lateral velocity TOB x :0
Nominal velocity TOB x :0 (without "long!")
Nominal lat. velocity TOB x :0

-> direction in front

C2:
Velocity longitudinal TOB x :0 (intended for active safety, = ENCAP)
Velocity lateral TOB x :0 (intended for active safety, = ENCAP)
Velocity nominal TOB x :0 (without "long!")
Velocity nominal lat. TOB x :0

-> "Velocity" in front like existing descriptors; compatible to ENCAP CA004

C3:
Velocity TOB longitudinal x :0 (intended for active safety)
Velocity TOB lateral x :0
Velocity TOB nominal x :0 (without "long!")
Velocity TOB nominal lat. x :0

-> similar to existing descriptors

C4:
Velocity TOB x longitudinal :0 (intended for active safety)
Velocity TOB x lateral :0
Velocity TOB x nominal :0 (without "long!")
Velocity TOB x nominal lat. :0

-> similar to existing descriptors; TOB and No equalized

Questions arising from these new codes:

Will passive safety testing need a "lateral velocity" descriptor if "velocity" and "impact side" have been sufficient in the past?

Will active safety use in the future only "logitudinal" and "lateral" velocity descriptors and no longer the old "velocity" descriptor?

If a change to longitudinal is implemented, the "nominal" descriptor needs also a "Long." addition?