

Summary of most important Q-Dummy model changes

September 21, 2020

Q1.5:

APTS implementation as required for ECE R129 (I-Size)

Q3:

APTS and hip liner implementation as required for Child Restraint System assessments (ECE R129 and ADAC)

Q6:

APTS and hip liner implementation as required for Child Restraint System assessments (ECE R129 and ADAC)

Q10:

- a) Implementation of Euro NCAP 2020 upgrade kit parts:
 - Shoulder Liner / Upper leg / Lower leg
 - Suit update
 - Improved representation of jacket using scan data references
 - Jacket suite remodelled aimed at improved shoulder belt interaction
 - Upper leg and bone remodelled aimed at improved lap belt / hipshields interaction
 - Pelvis flesh remodelled aimed at improved lap belt / hipshields interaction
- b) Hip liner / hipshields implementation for ECE R129 (I-Size)
Combination of APTS and Euro NCAP 2020 upgrade kit as required for CNCAP

Additional changes for Q10:

- Reduced number of contacts in the model
- Friction pair information is derived from friction testing