



ISO MME

Proposal for Q-Dummy Channel Coding

V1.3

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Version History

(1)

- V1.0:
 - first official version
 - coding proposals for Q1 ½, Q3 and Q3s
 - information on missing instrumentation of Q0
- V1.1:
 - CHST DS coding proposed (not THSP), AC still open (CHST or THSP)
 - TRRI AC coding proposed (not RIBS or CHRI)
- V1.2:
 - changed HEAD AA to HEAD AV
 - added codes for Q6
- V1.2.1 October 2009:
 - cleaned up coding
 - added codes for Q0 and Q1
 - chest deflection with LE/RI at FL1
 - Thoracic Spine acceleration with THSP for all dummies proposed
 - IRTACC measurement (VO) for Q3 chest deflection also string pot available) (Q1 ½ without IRTACC; Q6 always IRTACC!)
 - added version history



Version History

(2)

→ V1.3 July 2011:

- Thoracic Spine acceleration with THSP for all dummies introduced
- IRTACC measurement (VO) for Q3 chest deflection also string pot available)
(Q1 ½ without IRTACC; Q6 always IRTACC)
- Chest Deflection for frontal impact and side impact coded with ML = CHST
- Added NECKUP FO/MO for Q0
- Fixed FL3 codes for Q1 at Thoracic Rib Cage Abdomen and Pelvis region
- Added coding for optional Thorax/Ribcage accelerometers ACX/ACY in Q1, Q1 ½,...



Fine Location 3 Coding for Q-Dummies

- Q0= TNO Q Newborn
- Q1= TNO Q1 year old Dummy (former Q10)
- Q2= TNO Q1 1/2 year old Dummy
- Q3= TNO Q3 year old Dummy
Q4= TNO Q3s year old Dummy
- Q6= TNO Q6 year old Dummy
- QA= TNO Q10 year old Dummy (Hex code for 10 is A!)

Coding Proposal for Q-Dummy Measurement

Q0

Head

??HEAD0000Q0AC[X/Y/Z]A

Neck

??NECKUP00Q0FO[X/Y/Z]A

??NECKUP00Q0MO[X/Y/Z]B

(no lower neck)

Thoracic Spine

??THSP0000Q0AC[X/Y/Z]C(?)

Pelvis

??PELV0000Q0AC[X/Y/Z]?

Not available for Q0 are
measurements for:

Head AV

NECK LO

CHST DS

LUSP

Coding Proposal for Q-Dummy Measurement

Q 1

Head

??HEAD0000Q1AC[X/Y/Z]A

??HEAD0000Q1A^V[X/Y/Z]?

Neck

??NECKUP00Q1FO[X/Y/Z]A

??NECKUP00Q1MO[X/Y/Z]B

(no lower neck)

Thoracic Spine

??^{THSP}0000Q1AC[X/Y/Z]^C(?)

Chest

frontal impact

??CHST0000Q1DSX^C(?)

left side impact

??^{CHSTLE}00Q1DSY^C(?)

right side impact

??^{CHSTRI}00Q1DSY^C(?)

Thoracic Ribcage

??TRRI0000Q1AC[X/Y]A

for relative acceleration and
alternative deflection
calculation;

no fixed position; taped!

Also

??THSP^{XX}00Q1AC[X/Y]A

Abdomen (Lower Lumbar Spine)

??LUSP0000Q1FO[X/Y/Z]?

??LUSP0000Q1MO[X/Y/Z]?

Pelvis

??PELV0000Q1AC[X(/Y)/Z]?



Coding Proposal for Q-Dummy Measurement

Q 1 1/2

Head

??HEAD0000Q2AC[X/Y/Z]A

??HEAD0000Q2A**V**[X/Y/Z]?

Neck

??NECKUP00Q2FO[X/Y/Z]A

??NECKUP00Q2MO[X/Y/Z]B

??NECKLO00Q2FO[X/Y/Z]A

??NECKLO00Q2MO[X/Y/Z]B

Chest/ **THSP** ??

??CHST0000Q2AC[X/Y/Z]**C**(?)

Chest

??CHST0000Q2DSX**C**(?)

??CHST**LE**00Q2DSY**C**(?)

??CHST**LE**00Q2DSY**C**(?)

Thoracic Ribcage

??TRRI0000Q2ACX**C**(?)

Abdomen (Lower Lumbar Spine)

??LUSP0000Q2FO[X/Y/Z]?

??LUSP0000Q2MO[X/Y/Z]?

Pelvis

??PELV0000Q2AC[X(/Y)/Z]?

Coding Proposal for Q-Dummy Measurement Q3,Q3s

Head

??HEAD0000 [Q3/Q4]AC [X/Y/Z]A

??HEAD0000 [Q3/Q4]A^V [X/Y/Z] ?

Neck

??NECKUP00 [Q3/Q4]FO [X/Y/Z]A

??NECKUP00 [Q3/Q4]MO [X/Y/Z]B

??NECKLO00 [Q3/Q4]FO [X/Y/Z]A

??NECKLO00 [Q3/Q4]MO [X/Y/Z]B

Chest/ THSP ??

??CHST0000 [Q3/Q4]AC [X/Y/Z]C

Chest

??CHST0000Q3DSXC (IRTRACC!!!)

??CHST0000Q3VOXC (just frontal?)

??CHST[LE/RI]00Q3DSYC (Q3 lateral!?)

??CHST[LE/RI]00Q4DSYC (Q3s lateral)

Thoracic Ribcage (optional)

??TRRI0000 [Q3/Q4]ACXA (?)

??TRRI0000 [Q3/Q4]ACYA (?)

Abdomen (Lower Lumbar Spine)

??LUSP0000 [Q3/Q4]FO [X/Y/Z] ?

??LUSP0000 [Q3/Q4]MO [X/Y/Z] ?

Pelvis

??PELV0000 [Q3/Q4]AC [X/Y/Z] ?

Coding Proposal for Q-Dummy Measurement

Q6

Head

??HEAD0000Q6AC[X/Y/Z]A

??HEAD0000Q6A^V[X/Y/Z]?

Neck

??NECKUP00Q6FO[X/Y/Z]A

??NECKUP00Q6MO[X/Y/Z]B

??NECKLO00Q6FO[X/Y/Z]A

??NECKLO00Q6MO[X/Y/Z]B

Chest/ THSP ??

??CHST0000Q6AC[X/Y/Z]C

Chest

??CHST0000Q6DSXC (always ITRACC!!!)

??CHST0000Q3VOXC

Thoracic Ribcage (optional)

??TRRI0000Q6ACXA(?)

Abdomen (Lower Lumbar Spine)

??LUSP0000Q6FO[X/Y/Z]?

??LUSP0000Q6MO[X/Y/Z]?

Pelvis

??PELV0000Q6AC[X/Y/Z]?