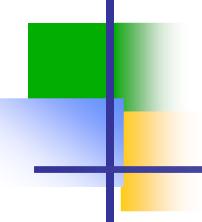


ISO MME

Proposal for Q-Dummy Channel Coding

V1.4

D. Vetter, IAT mbH



Version History

(1)

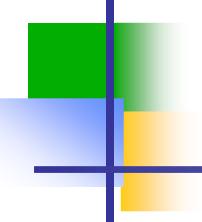
- V1.0:
 - first official version
 - coding proposals for Q1 ½, Q3 and Q3s
 - information on missing instrumentation of Q0
- V1.1:
 - CHST DS coding proposed (not THSP), AC still open (CHST or THSP)
 - TRRI AC coding proposed (not RIBS or CHRI)
- V1.2:
 - changed HEAD AA to HEAD AV
 - added codes for 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
 - IRTRACC measurement (VO) for Q3 chest deflection also string pot available)
(Q1 ½ without IRTRACC; Q6 always IRTRACC!)
 - added version history

→ V1.3 July 2011:

- Thoracic Spine acceleration with THSP for all dummies introduced
- IRTRACC measurement (VO) for Q3 chest deflection also string pot available)
(Q1 ½ without IRTRACC; Q6 always IRTRACC)
- 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,...

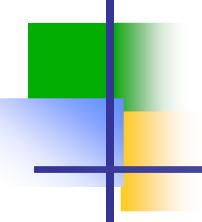
→ V1.4 December 2011:

- Added Coding Proposal for Q10
- Overworked several codings (outcome of discussion in green)



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)

Not available for Q0 are
measurements for:

Head AV

NECK LO

CHST DS

LUSP

Thoracic Spine

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

Pelvis

??PELV0000Q0AC [X/Y/Z] ?

Head

??HEAD0000Q1AC [X/Y/Z]A

??HEAD0000Q1AV [X/Y/Z]?

Neck

??NECKUP00Q1FO [X/Y/Z]A

??NECKUP00Q1MO [X/Y/Z]B

(no lower neck)

Thoracic Spine

??THSP0000Q1AC [X/Y/Z]C (?)

Chest

frontal impact

??CHST0000Q1DSXC (?)

left side impact

??CHSTLE00Q1DSYC (?)

right side impact

??CHSTR100Q1DSYC (?)

Thoracic Ribcage

??TRRI0000Q1AC [X/Y]A

for relative acceleration and
alternative deflection
calculation;

no fixed position; taped!

Also

??THSPXX00Q1AC [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

??HEAD0000Q2AV [X/Y/Z]?

Neck

??NECKUP00Q2FO [X/Y/Z]A

??NECKUP00Q2MO [X/Y/Z]B

??NECKLO00Q2FO [X/Y/Z]A

??NECKLO00Q2MO [X/Y/Z]B

Thoracic Spine

??THSP0000Q2AC [X/Y/Z]C (?)

Chest

??CHST0000Q2DSXC (?)

left side impact

??CHSTLE00Q2DSYC (?)

right side impact

??CHSTR100Q2DSYC (?)

Thoracic Ribcage

??TRRI0000Q2ACX?

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] AV [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

Thoracic Spine

??THSP0000 [Q3/Q4] AC [X/Y/Z] C

Chest

??CHST0000Q3DSXC (IRTRACC!!!)

??CHST0000Q3VOX? (just frontal?)

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

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

Thoracic Ribcage (optional)

??TRRI0000 [Q3/Q4] ACX?

??TRRI0000 [Q3/Q4] ACY?

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

??HEAD0000Q6AV [X/Y/Z]?

Neck

??NECKUP00Q6FO [X/Y/Z]A

??NECKUP00Q6MO [X/Y/Z]B

??NECKLO00Q6FO [X/Y/Z]A

??NECKLO00Q6MO [X/Y/Z]B

Thoracic Spine

??THSP0000Q6AC [X/Y/Z]C

Chest

??CHST0000Q6DSXC (always ITRACC!!!)

??CHST0000Q3VOXC

Thoracic Ribcage (optional)

??TRRI0000Q6ACX?

Abdomen (Lower Lumbar Spine)

??LUSP0000Q6FO [X/Y/Z]?

??LUSP0000Q6MO [X/Y/Z]?

Pelvis

??PELV0000Q6AC [X/Y/Z]?

Head

??HEAD0000QAAC [X/Y/Z]A
??HEAD0000QAAC [X/Y/Z] ?
??HEAD**PR**00QAAN [X/Y] ? (static)

Neck

??NECKUP00QAFO [X/Y/Z]A
??NECKUP00QAFO [X/Y/Z]B
??NECKLO00QAFO [X/Y/Z]A
??NECKLO00QAFO [X/Y/Z]B

Thoracic Spine

??THSP0400QAAC [X/Y/Z]C
??THSP0400QAAC [X/Y/Z] ?
??THSP**PR**00QAAN [X/Y] ? (static)
??THSP1200QAAC [X/Y/Z]C
??THSP1200QAAC [X/Y/Z] ?

Thoracic Ribcage (optional)

??TRRIUP00QAAC [X/Y] ? (X or Y)
??TRRILO00QAAC [X/Y] ? (X or Y)

Chest

??CHSTUP00QAVO0 ?
??CHSTUP00QADS0**C**
??CHSTUP00QAANZ ?
??CHSTUP00QADS**X**
??CHSTUP00QADS**Y****C**

??CHSTLO00QAVOX ?
??CHSTLO00QADS0**C**
??CHSTLO00QAANZ ?
??CHSTLO00QADS**X**
??CHSTLO00QADS**Y****C**

Abdomen (Lower Lumbar Spine) Legs

??LUSP0000QAFO [X/Y/Z] ?

??LUSP0000QAMO [X/Y/Z] ?

??FEMUUPLEQAFO [X/Y/Z] B

??FEMUUPLEQAMO [X/Y/Z] B

Pelvis

??PELV0000QAAC [X/Y/Z] ?

??PELV0000QAAV [X/Y/Z] ?

??PELVPR00QAAN [X/Y] ? (static)

??SACRLE00QAFO [X/Y/Z] ?

??SACRLE00QAMO [X/Y/Z] ?

??SACRRI00QAFO [X/Y/Z] ?

??SACRRI00QAMO [X/Y/Z] ?

??PUBC0000QAFOY?

