

## **Road vehicles - Multimedia data exchange format for impact tests**

*Véhicules routiers — Format d'échange de données multimédia pour les essais de choc*

### **Related electronic document B**

#### **Channel Codes**

— Version 1.6.1 —

## Contents

### Codification

Test Object  
Position  
Transducer Main Location  
Fine Location 1  
Fine Location 2  
Fine Location 3  
Physical Dimension  
Direction  
Filter Class

### Possible Channel Codes

BioRID  
BioSID Dummy  
EuroSID-1 Dummy  
ES-2 Dummy with Rib Extension  
ES-2 Dummy  
Hybrid III Mid-Sized Adult Male Dummy  
Hybrid III Small Adult Female  
Hybrid III Large Adult Male Dummy  
TNO P 3/4 year old Dummy  
TNO P 1 1/2 year old Dummy  
TNO P 3 year old Dummy  
TNO P 6 year old Dummy  
TNO P 10 year old Dummy  
Q0 Dummy  
Q1 Dummy  
Q1 1/2 Dummy  
Q3 Dummy  
Q3 Dummy Side Impact  
Q6 Dummy  
Q10 Dummy  
SID IIs Dummy  
SID H3 Dummy  
SID (US) Dummy  
Crabi 12 month old Dummy  
Hybrid III 3 year old Dummy (Part 572 P)  
Hybrid III 6 year old Dummy (Part 572 N)  
TNO-10 Dummy (Standard 75 kg)  
Adult Headform  
ACEA Headform  
Child Headform  
JARI Headform  
JARI Child Headform  
Upper Leg Pedestrian Impactor  
Free Motion Headform  
Headform  
Head Hemisphere  
Legform Pedestrian Impactor  
Flexible Legform Impactor  
WorldSID Dummy  
ES-2 Dummy with Rib Extension  
Airbag  
Vehicle  
Sled  
Other  
Calculated Values



## ISO/TS 13499 - RED B : 2014 E

### Test Object

(Code Position 1)

Code	Description	Remarks	Valid since Version
0	Undefined / other		1.0
1	Vehicle 1	also used to code several individual test objects in special setups	1.0
2	Vehicle 2	also used to code several individual test objects in special setups	1.0
3	Vehicle 3	also used to code several individual test objects in special setups	1.0
4	Vehicle 4	also used to code several individual test objects in special setups	1.0
5	Vehicle 5	also used to code several individual test objects in special setups	1.0
6	Vehicle 6	also used to code several individual test objects in special setups	1.0
7	Vehicle 7	also used to code several individual test objects in special setups	1.0
8	Vehicle 8	also used to code several individual test objects in special setups	1.0
9	Vehicle 9	also used to code several individual test objects in special setups	1.0
B	Fixed Barrier		1.0
C	Component		1.5
D	Dummy / Dummy Impactor		1.4
H	Linear Impactor		1.4
M	Mobile Barrier		1.0
P	Pendulum		1.0
S	Sled		1.0
T	Test Rig		1.4

**Position**

(Code Position 2)

Code	Description	Remarks	Valid since Version
0	Undefined		1.0
1	Front left		1.1
2	Front middle	also used for motorcycle driver	1.1
3	Front right		1.1
4	Middle left / 2nd row left		1.1
5	Middle middle / 2nd row middle	also used for motorcycle sozious	1.1
6	Middle right / 2nd row right		1.1
7	Rear left / 3rd row left		1.1
8	Rear middle / 3rd row middle		1.1
9	Rear right / 3rd row right		1.1

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Main Location		(Code Position 3-6)	Dummy	
Code		Description	Remarks	Valid since Version
HEAD	Dummy	Head		1.0
CESP	Dummy	Cervical Spine		1.0
NECK	Dummy	Neck		1.0
SHLD	Dummy	Shoulder		1.0
CLAV	Dummy	Clavicle		1.0
UPAR	Dummy	Upper Arm		1.1
ELBJ	Dummy	Elbow Joint		1.0
FOAR	Dummy	Forearm		1.1
WRIS	Dummy	Wrist		1.0
SHRI	Dummy	Shoulder Rib		1.0
TRRI	Dummy	Thorax Rib		1.0
RIBS	Dummy	Rib(s)		1.0
CHRI	Dummy	Chest-Rib		1.0
TRSP	Dummy	Thorax Rib to Spine		1.0
SPIN	Dummy	Spine		1.0
THSP	Dummy	Thoracic Spine		1.0
BAPL	Dummy	Backplate		1.0
MUSU	Dummy	Muscle Substitute	used for BR dummy	1.6
CHST	Dummy	Chest		1.0
STRN	Dummy	Sternum		1.0
CHBA	Dummy	Chest Band		1.0
ABRI	Dummy	Abdominal-Rib		1.0
ABSP	Dummy	Abdominal-Spine		1.0
ABDO	Dummy	Abdomen		1.0
LUSP	Dummy	Lumbar Spine		1.0
PELV	Dummy	Pelvis		1.0
ACTB	Dummy	Acetabulum		1.0
HPNT	Dummy	H-Point		1.2
ILUM	Dummy	Ilium		1.0
ILAC	Dummy	Iliac		1.0
PUBC	Dummy	Pubic		1.0
CROB	Dummy	Crotch Belt		1.0
SACR	Dummy	Sacrum		1.0
FEAC	Dummy	Femur to Acetabulum		1.0
FEMR	Dummy	Femur		1.0
KNEE	Dummy	Knee		1.0
CLEV	Dummy	Clevis		1.0
KNSL	Dummy	Knee Slider		1.0
TIRA	Dummy	Tibia Ratio		1.1
TIBI	Dummy	Tibia		1.0
ANKL	Dummy	Ankle		1.0
FOOT	Dummy	Foot		1.0
HEEL	Dummy	Heel		1.0
TOES	Dummy	Toe(s)		1.0
DAMP	Dummy	Damper		1.0
SUMA	Dummy	Submarining		1.0

Main Location		(Code Position 3-6)	Vehicle	
Code		Description	Remarks	Valid since Version
ABSE	Vehicle	Airbag Sensor		1.0
AIRB	Vehicle	Airbag		1.0
APIL	Vehicle	A-Pillar		1.0
AXLE	Vehicle	Axle		1.0
BAFI	Vehicle	Belt Anchor Fitting		1.5
BATT	Vehicle	Battery		1.0
BCKL	Vehicle	Buckle		1.0
BLOK	Vehicle	Belt Lock		1.0
BLOP	Vehicle	Belt Loop (reel return)		1.0
BPIL	Vehicle	B-Pillar		1.0
BRBO	Vehicle	Break Booster		1.6
BUMP	Vehicle	Bumper		1.0
BUSY	Vehicle	Bumper System		1.0
CASH	Vehicle	Cardan Shaft		1.6
CCBE	Vehicle	Cross Car Beam		1.0
CEUN	Vehicle	Central Unit	unit dedicated to Airbag, Restraint firing/activation	1.0
CPIL	Vehicle	C-Pillar		1.0
CRAN	Vehicle	Child Restraint Anchor	Figure missing (27.04.2007 os)	1.5
CRME	Vehicle	Crossmember		1.0
CRSB	Vehicle	Child Restraint Seatbelt		1.6
CTAN	Vehicle	Child Tether Anchorages		1.0
DASB	Vehicle	Dashboard		1.0
DASH	Vehicle	Dash Panel		1.0
DIFF	Vehicle	Differential		1.0
DOOR	Vehicle	Door		1.0
DPIL	Vehicle	D-Pillar		1.0
ENG	Vehicle	Engine		1.0
FEND	Vehicle	Fender		1.0
FORA	Vehicle	Floor over Rear Axle		1.0
FOWE	Vehicle	Footwell		1.4
FRAM	Vehicle	Frame	often used for assembly frame in sled tests	1.0
FREN	Vehicle	Frontend		1.1
FUL2	Vehicle	Second Fuel Tank		1.6
FULT	Vehicle	Fuel Tank		1.0
GEAR	Vehicle	Gearbox		1.2
GENR	Vehicle	Generator		1.0
HEPL	Vehicle	Heel Plate		1.6
HERE	Vehicle	Head restraint		1.0
HOOD	Vehicle	Hood		1.0
INSW	Vehicle	Inertia Switch		1.0
KNBO	Vehicle	Knee Bolster		1.0
LAMP	Vehicle	Lamp		1.1
LOCK	Vehicle	Lock		1.0
LOLI	Vehicle	Load Limiter		1.5
LOSY	Vehicle	Lock System		1.0
MSME	Vehicle	Main Side Member	longitudinal beam close to the tunnel	1.6
OILS	Vehicle	Oil Sump		1.6
PEAC	Vehicle	Pedal Accelerator		1.0
PEBR	Vehicle	Pedal Brake		1.0

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Main Location		(Code Position 3-6)	Vehicle	
Code		Description	Remarks	Valid since Version
PECL	Vehicle	Pedal Clutch		1.0
POCA	Vehicle	Power Cable		1.6
POEL	Vehicle	Power Electronics		1.6
PRET	Vehicle	Pretensioner		1.0
RACM	Vehicle	Radiator Cross Member		1.6
RETR	Vehicle	Retractor		1.0
ROFR	Vehicle	Roof Frame		1.0
ROOF	Vehicle	Roof		1.0
RORA	Vehicle	Roof Rack		1.0
SBAD	Vehicle	Seat Back Adjuster		1.6.1
SBHA	Vehicle	Seat Belt Height Adjuster		1.5
SEAD	Vehicle	Seat Adjuster		1.0
SEAT	Vehicle	Seat		1.0
SEBA	Vehicle	Seat Back		1.0
SEBE	Vehicle	Seat Belt		1.0
SECM	Vehicle	Seat Cross Member		1.6
SEFR	Vehicle	Seat Frame		1.0
SEPN	Vehicle	Seat Pan		1.3
SERM	Vehicle	Seat Rail Mount		1.6
SETR	Vehicle	Seat Track		1.0
SILB	Vehicle	Sill Beam		1.0
SIME	Vehicle	Side Member	longitudinal beam close to the outer side	1.0
SLMB	Vehicle	Slam Beam		1.2
STAR	Vehicle	Starter		1.0
STCM	Vehicle	Steering Column Mount		1.0
STCO	Vehicle	Steering Column		1.0
STCS	Vehicle	Steering Column Suspension		1.0
STEP	Vehicle	Step		1.6
STWH	Vehicle	Steering Wheel Hub		1.0
STWL	Vehicle	Steering Wheel		1.0
SUBF	Vehicle	Subframe		1.0
SUDO	Vehicle	Suspension Dome		1.0
SUHO	Vehicle	Suspension Housing		1.0
SUSM	Vehicle	Suspension Mount		1.6
SUUN	Vehicle	Suspension Unit		1.6
TAIG	Vehicle	Tailgate		1.0
TAIL	Vehicle	Tail		1.5
TBAT	Vehicle	Traction Battery		1.6
TOPT	Vehicle	Top Tether		1.2
TRAN	Vehicle	Transmission		1.0
TRCM	Vehicle	Transmission Cross Member		1.6
TUNN	Vehicle	Tunnel		1.0
VEHC	Vehicle	Vehicle		1.0
WARC	Vehicle	Wheel Arch		1.2
WHEL	Vehicle	Wheel		1.0
WIND	Vehicle	Window		1.0



Main Location		(Code Position 3-6)	Calculation	
Code		Description	Remarks	Valid since Version
<b>HICR</b>	Calculation	Head Injury Criterion		1.3
<b>HACR</b>	Calculation	Head Acceptability Criterion		1.3
<b>HPCR</b>	Calculation	Head Protection Criterion		1.3
<b>HECD</b>	Calculation	Head Contact Duration		1.3
<b>NICF</b>	Calculation	NIC Load Duration		1.3
<b>NICR</b>	Calculation	NIC, Rear Impact		1.3
<b>NIEF</b>	Calculation	Neck Injury Criterion ENCAP		1.4
<b>NKMC</b>	Calculation	Nkm Criterion		1.6
<b>NIJC</b>	Calculation	Nij Criterion		1.3
<b>TMON</b>	Calculation	Total Moment Neck		1.3
<b>VCCR</b>	Calculation	Viscous Criterion		1.3
<b>VCAR</b>	Calculation	Viscous Criterion Abdo. Rib		1.3
<b>THPC</b>	Calculation	Thoracic Performance Criterion		1.4
<b>TTIN</b>	Calculation	Thoracic Trauma Index		1.3
<b>THAC</b>	Calculation	Thoracic Acceptability Crit.		1.4
<b>CTIN</b>	Calculation	Combined Thoracic Index		1.3
<b>THCC</b>	Calculation	Thoracic Compression Criterion		1.4
<b>CHSI</b>	Calculation	Severity Index Chest		1.3
<b>RDCR</b>	Calculation	Rib Deflection Criterion		1.3
<b>RDAR</b>	Calculation	Rib Deflection Crit. Adomen		1.3
<b>APFC</b>	Calculation	Abdominal Peak Force		1.4
<b>ADRA</b>	Calculation	Abdominal Deflection Rate		1.6
<b>CDRA</b>	Calculation	Chest Deflection Rate		1.6
<b>PSPF</b>	Calculation	Pubic Symphysis Peak Force		1.3
<b>FFCE</b>	Calculation	Femur Force Criterion		1.3
<b>FFCR</b>	Calculation	Femur Force Criterion		1.3
<b>FACR</b>	Calculation	Femur Acceptability Criterion		1.3
<b>TIIN</b>	Calculation	Tibia Index		1.1
<b>TCFC</b>	Calculation	Tibia Compression Criterion		1.3
<b>NCAP</b>	Calculation	New Car Assessment Program		1.3
<b>AACP</b>	Calculation	Average Acc. during Compr.		1.3

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Main Location		(Code Position 3-6)	Others	
Code		Description	Remarks	Valid since Version
0000	Others	Undefined		1.0
1???	Others	Customer ID-Code XXX		1.0
2???	Others	Laboratory ID-Code XXX		1.0
ACTU	Others	Actuator		1.6
FBAR	Others	Fixed Barrier	mandatory usage of Test Object "B"	1.0
LOMA	Others	Load Cell Matrix		1.4
MBAR	Others	Mobile Barrier	mandatory usage of Test Object "M"	1.0
POLE	Others	Pole		1.6
SENS	Others	Sensor		1.0
SFAD	Others	Static Force Application Device		1.6
SLED	Others	Sled	used for transducers directly mounted on the sled	1.0
SUBJ	Others	Subject	mainly for Object Definition File Names	1.5
TDCG	Other	Traction Device Center of Gravity		1.6.1
TDLB	Others	Traction Device Lap Belt	used in ECE R14	1.6
TDSB	Others	Traction Device Shoulder Belt	used in ECE R14	1.6
TEST	Others	Test Signal		1.0
TIRS	Others	Time Reference Signal		1.0
ZERO	Others	Time Zero		1.0

**Fine Location 1**

(Code Position 7-8)

Code	Description	Remarks	Valid since Version
00	Not defined		1.0
UP	Upper		1.0
AV	Average	Use "AV" at FL1, if FL1 is "00". If FL1 is already occupied, use "AV" at FL2.	1.6
BO	Bottom		1.1
FR	Front		1.0
IN	Inner		1.0
IS	Impact Sound Sensor		1.6
LE	Left		1.0
LL	Left Lower		1.3
LO	Lower		1.0
LR	Left / Right		1.0
LU	Left Upper		1.3
MI	Middle		1.0
OU	Outer		1.0
RE	Rear		1.0
RI	Right		1.0
RL	Right Lower		1.3
RU	Right Upper		1.3
TP	Top		1.1
CG	Center of Gravity		1.0
CX	Center in X direction		1.1
CY	Center in Y direction		1.1
CZ	Center in Z direction		1.1
CU	Cumulative		1.3
SP	Single Peak		1.3
SU	Sum	Use "SU" at FL1, if FL1 is "00". If FL1 is already occupied, use "SU" at FL2.	1.3
EA	Extension Anterior Shear	Use with NKM-Criterion (ML = NKMC)	1.6
EP	Extension Posterior Shear	Use with NKM-Criterion (ML = NKMC)	1.6
FA	Flexion Anterior Shear	Use with NKM-Criterion (ML = NKMC)	1.6
FP	Flexion Posterior Shear	Use with NKM-Criterion (ML = NKMC)	1.6
AD	Adult		1.3
CH	Child		1.3
CS	Crash Sensor		1.4
OR	Origin		1.6
PR	Pre Test	eg. for static measurement	1.6
RD	Redundant		1.0
IP	In Position		1.3
OP	Out of Position		1.3
AC	Anterior Cruciate Ligament		1.6
LC	Lateral Collateral Ligament		1.6
MC	Medial Collateral Ligament		1.6
PC	Posterior Cruciate Ligament		1.6
01	1.		1.0
02	2.		1.0
03	3.		1.0
04	4.		1.0
05	5.		1.0
06	6.		1.0

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### Fine Location 1

(Code Position 7-8)

Code	Description	Remarks	Valid since Version
07	7.		1.0
08	8.		1.0
09	9.		1.0
10	10.		1.0
11	11.		1.0
12	12.		1.0
13	13.		1.0
14	14.		1.0
15	15.		1.0
16	16.		1.0
17	17.		1.0
18	18.		1.0
19	19.		1.0
20	20.		1.0
21	21.		1.0
22	22.		1.0
23	23.		1.0
24	24.		1.0
25	25.		1.0
26	26.		1.0
27	27.		1.0
28	28.		1.0
29	29.		1.0
30	30.		1.0
31	31.		1.0
32	32.		1.0
33	33.		1.0
34	34.		1.0
35	35.		1.0
36	36.		1.0
37	37.		1.0
38	38.		1.0
39	39.		1.0
40	40.		1.0
41	41.		1.0
42	42.		1.0
43	43.		1.0
44	44.		1.0
45	45.		1.0
46	46.		1.0
47	47.		1.0
48	48.		1.0
49	49.		1.0
50	50.		1.0
51	51.		1.0
52	52.		1.0
53	53.		1.0
54	54.		1.0
55	55.		1.0
56	56.		1.0

**Fine Location 1**

(Code Position 7-8)

Code	Description	Remarks	Valid since Version
57	57.		1.0
58	58.		1.0
59	59.		1.0
60	60.		1.0
61	61.		1.0
62	62.		1.0
63	63.		1.0
64	64.		1.0
65	65.		1.0
66	66.		1.0
67	67.		1.0
68	68.		1.0
69	69.		1.0
70	70.		1.0
71	71.		1.0
72	72.		1.0
73	73.		1.0
74	74.		1.0
75	75.		1.0
76	76.		1.0
77	77.		1.0
78	78.		1.0
79	79.		1.0
80	80.		1.0
81	81.		1.0
82	82.		1.0
83	83.		1.0
84	84.		1.0
85	85.		1.0
86	86.		1.0
87	87.		1.0
88	88.		1.0
89	89.		1.0
90	90.		1.0
91	91.		1.0
92	92.		1.0
93	93.		1.0
94	94.		1.0
95	95.		1.0
96	96.		1.0
97	97.		1.0
98	98.		1.0
99	99.		1.0

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### Fine Location 2

(Code Position 9-10)

Code	Description	Remarks	Valid since Version
00	Not defined	infinite HIC time intervall	1.0
BO	Bottom		1.1
FR	Front		1.0
IN	Inner		1.0
L1	Left Redundant		1.0
L2	Lower Redundant	Now only used for Lower Redundant	1.0
LE	Left		1.0
LO	Lower		1.0
M1	Middle Redundant		1.5
MI	Middle		1.0
OU	Outer		1.0
R1	Right Redundant		1.0
RE	Rear		1.0
RI	Right		1.0
TP	Top		1.1
U1	Upper Redundant		1.0
UP	Upper		1.0
CG	Center of Gravity		1.0
CX	Center in X Direction		1.1
CY	Center in Y Direction		1.1
CZ	Center in Z Direction		1.1
AV	Average	Use "AV" at FL1, if FL1 is "00". If FL1 is already occupied, use "AV" at FL2.	1.0
DI	Difference		1.0
NE	Negative		1.3
PO	Positive		1.3
SF	Scale Factor		1.0
SU	Sum	Use "SU" at FL1, if FL1 is "00". If FL1 is already occupied, use "SU" at FL2.	1.0
?C	Xms Cumulative	5ms CLIP Value	1.3
?S	Xms Single Peak	3ms CLIP Value	1.3
3C	3ms CLIP Val. Cumulative	3ms CLIP Value	1.3
3S	3ms CLIP Val. Single Peak	3ms CLIP Value	1.3
CE	Compression Extension		1.0
CF	Compression Flexion		1.0
CO	Compression		1.3
DA	Duration of Loading Absolute		1.0
DN	Duration of Loading Negative		1.0
DP	Duration of Loading Positive		1.0
DU	Duration of Loading		1.0
FI	Fixed Interval (0...150ms)	Just used for BIORID and TRID Neck	1.3
FZ	Tibia Ratio from Axial Force (FZ)		1.6
HD	Head Performance Criterion		1.3
HS	High Speed Sampling		1.6
LC	Limit Curve		1.0
MR	Tibia Ratio from Res. Bending Moment		1.6
RW	Raw data		1.6
SI	Selected Interval	just used for BIORID and TRID Neck	1.3
TE	Tension Extension		1.0
TF	Tension Flexion		1.0

**Fine Location 2**

(Code Position 9-10)

Code	Description	Remarks	Valid since Version
<b>TN</b>	Tension		1.3
<b>TO</b>	Total Moment		1.0
<b>XC</b>	Xg Exceedence Time Cumulative	Should be used for HEAD, CHST (exceed. level needed in ISO-code?)	1.6
<b>XS</b>	Xg Exceedence Time Single Peak	Should be used for HEAD, CHST (exceed. level needed in ISO-code?)	1.6
<b>OR</b>	Origin		1.6
<b>SQ</b>	Squib	to be used with separate airbag timer firing	1.6
<b>RD</b>	Redundant		1.0
<b>01</b>	1.		1.0
<b>02</b>	2.		1.0
<b>03</b>	3.	also used in combination with CHST DS with H3,HF,Y7,... to mark cubic chest deflection channel	1.0
<b>04</b>	4.		1.0
<b>05</b>	5.		1.0
<b>06</b>	6.		1.0
<b>07</b>	7.		1.0
<b>08</b>	8.		1.0
<b>09</b>	9.		1.0
<b>10</b>	10.		1.0
<b>11</b>	11.		1.0
<b>12</b>	12.		1.0
<b>13</b>	13.		1.0
<b>14</b>	14.		1.0
<b>15</b>	15.	15ms HIC time intervall	1.0
<b>16</b>	16.		1.0
<b>17</b>	17.		1.0
<b>18</b>	18.		1.0
<b>19</b>	19.		1.0
<b>20</b>	20.		1.0
<b>21</b>	21.		1.0
<b>22</b>	22.		1.0
<b>23</b>	23.		1.0
<b>24</b>	24.		1.0
<b>25</b>	25.		1.0
<b>26</b>	26.		1.0
<b>27</b>	27.		1.0
<b>28</b>	28.		1.0
<b>29</b>	29.		1.0
<b>30</b>	30.		1.0
<b>31</b>	31.		1.0
<b>32</b>	32.		1.0
<b>33</b>	33.		1.0
<b>34</b>	34.		1.0
<b>35</b>	35.		1.0
<b>36</b>	36.	36ms HIC time intervall	1.0
<b>37</b>	37.		1.0
<b>38</b>	38.		1.0
<b>39</b>	39.		1.0
<b>40</b>	40.		1.0

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### Fine Location 2

(Code Position 9-10)

Code	Description	Remarks	Valid since Version
41	41.		1.0
42	42.		1.0
43	43.		1.0
44	44.		1.0
45	45.		1.0
46	46.		1.0
47	47.		1.0
48	48.		1.0
49	49.		1.0
50	50.		1.0
51	51.		1.0
52	52.		1.0
53	53.		1.0
54	54.		1.0
55	55.		1.0
56	56.		1.0
57	57.		1.0
58	58.		1.0
59	59.		1.0
60	60.		1.0
61	61.		1.0
62	62.		1.0
63	63.		1.0
64	64.		1.0
65	65.		1.0
66	66.		1.0
67	67.		1.0
68	68.		1.0
69	69.		1.0
70	70.		1.0
71	71.		1.0
72	72.		1.0
73	73.		1.0
74	74.		1.0
75	75.		1.0
76	76.		1.0
77	77.		1.0
78	78.		1.0
79	79.		1.0
80	80.		1.0
81	81.		1.0
82	82.		1.0
83	83.		1.0
84	84.		1.0
85	85.		1.0
86	86.		1.0
87	87.		1.0
88	88.		1.0
89	89.		1.0
90	90.		1.0



**Fine Location 2**

(Code Position 9-10)

Code	Description	Remarks	Valid since Version
<b>91</b>	91.		1.0
<b>92</b>	92.		1.0
<b>93</b>	93.		1.0
<b>94</b>	94.		1.0
<b>95</b>	95.		1.0
<b>96</b>	96.		1.0
<b>97</b>	97.		1.0
<b>98</b>	98.		1.0
<b>99</b>	99.		1.0

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### Fine Location 3

(Code Position 11-12)

Code	Description	Remarks	Valid since Version
00	Not defined		1.0
BO	Bottom		1.1
FR	Front		1.0
IN	Inner		1.0
LE	Left		1.0
LO	Lower		1.0
MI	Middle		1.0
OU	Outer		1.0
RE	Rear		1.0
RI	Right		1.0
TP	Top		1.1
UP	Upper		1.0
CG	Center of Gravity		1.0
CX	Center in X direction		1.1
CY	Center in Y direction		1.1
CZ	Center in Z direction		1.1
PO	Post Test	eg. for static measurement	1.5
PR	Pre Test	eg. for static measurement	1.5
A3	Airbagdummy 3 year old		1.0
BP	Back Pan	used for seat back testing	1.6.1
BR	BioRID		1.0
BS	BioSID Dummy		1.0
E1	EuroSID-1 Dummy		1.0
E2	ES-2 Dummy		1.2
ER	ES-2 Dummy with Rib Extension		1.5
H2	Hybrid II Mid-Sized Male Dummy		1.0
H3	Hybrid III Mid-Sized Adult Male Dummy		1.0
HF	Hybrid III Small Adult Female		1.0
HH	Head Hemisphere	like head hemisphere for FMVSS 202a, ECE R17, ECE R21, GTR 7 (165mm diameter, mass of 6,8kg)	1.6
HM	Hybrid III Large Adult Male Dummy		1.0
MD	Motorcycle Dummy		1.0
P0	Newborn Dummy		1.0
P1	TNO P 3/4 year old Dummy		1.0
P2	TNO P 1 1/2 year old Dummy		1.0
P3	TNO P 3 year old Dummy		1.0
P4	TNO P 6 year old Dummy		1.0
P5	TNO P 10 year old Dummy		1.0
Q0	Q0 Dummy		1.5
Q1	Q1 Dummy		1.5
Q2	Q1 1/2 Dummy		1.5
Q3	Q3 Dummy		1.5
Q4	Q3 Dummy Side Impact		1.5
Q6	Q6 Dummy		1.5
QA	Q10 Dummy		1.5
R2	RID 2		1.3
S2	SID IIs Dummy		1.0
SH	SID H3 Dummy		1.0
SI	SID (US) Dummy		1.0

**Fine Location 3**

(Code Position 11-12)

Code	Description	Remarks	Valid since Version
<b>T1</b>	TNO-10 Dummy (Standard 75 kg)		1.0
<b>TF</b>	THOR Small Size Female Dummy		1.5
<b>TH</b>	THOR Dummy		1.0
<b>WF</b>	WorldSID Small Adult Female Dummy		1.5
<b>WS</b>	WorldSID Dummy		1.5
<b>Y1</b>	Crabi 6 month old Dummy		1.0
<b>Y2</b>	Crabi 12 month old Dummy		1.0
<b>Y3</b>	Crabi 18 month old Dummy		1.0
<b>Y4</b>	Child 3 year old Dummy (Part 572 C)		1.2
<b>Y5</b>	Child 6 year old Dummy (Part 572 I)		1.2
<b>Y6</b>	Hybrid III 3 year old Dummy (Part 572 P)		1.2
<b>Y7</b>	Hybrid III 6 year old Dummy (Part 572 N)		1.2
<b>Y8</b>	Cami 3 month old Dummy		1.0
<b>Y9</b>	Cami 6 month old Dummy		1.0
<b>YA</b>	Hybrid III 10 year old Dummy		1.5
<b>BB</b>	Body Block		1.0
<b>FH</b>	Free Motion Headform		1.4
<b>HE</b>	Headform		1.5
<b>PA</b>	Adult Headform		1.5
<b>PB</b>	ACEA Headform		1.5
<b>PC</b>	Child Headform		1.4
<b>PJ</b>	JARI Headform		1.5
<b>PS</b>	JARI Child Headform		1.4
<b>PF</b>	Flexible Legform Impactor		1.5
<b>PL</b>	Legform Pedestrian Impactor		1.5
<b>PU</b>	Upper Leg Pedestrian Impactor		1.4
<b>B1</b>	belt at retractor		1.0
<b>B2</b>	belt below belt loop		1.0
<b>B3</b>	belt at upper diagonal belt		1.0
<b>B4</b>	belt at lower diagonal belt		1.0
<b>B5</b>	belt at lap belt inside		1.0
<b>B6</b>	belt at lap belt outside		1.0
<b>AF</b>	Frontal Airbag		1.4
<b>AH</b>	Head Airbag		1.4
<b>AP</b>	Pedestrian Airbag		1.4
<b>AR</b>	Rear Airbag		1.4
<b>AS</b>	Side Airbag		1.4
<b>GF</b>	Frontal Airbag Generator		1.4
<b>GH</b>	Head Airbag Generator		1.4
<b>GP</b>	Passenger Airbag Generator		1.4
<b>GR</b>	Rear Airbag Generator		1.4
<b>GS</b>	Side Airbag Generator		1.4
<b>RD</b>	Redundant		1.4
<b>01</b>	1.		1.0
<b>02</b>	2.		1.0
<b>03</b>	3.		1.0
<b>04</b>	4.		1.0
<b>05</b>	5.		1.0
<b>06</b>	6.		1.0
<b>07</b>	7.		1.0

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### Fine Location 3

(Code Position 11-12)

Code	Description	Remarks	Valid since Version
08	8.		1.0
09	9.		1.0
10	10.		1.0
11	11.		1.0
12	12.		1.0
13	13.		1.0
14	14.		1.0
15	15.		1.0
16	16.		1.0
17	17.		1.0
18	18.		1.0
19	19.		1.0
20	20.		1.0
21	21.		1.0
22	22.		1.0
23	23.		1.0
24	24.		1.0
25	25.		1.0
26	26.		1.0
27	27.		1.0
28	28.		1.0
29	29.		1.0
30	30.		1.0
31	31.		1.0
32	32.		1.0
33	33.		1.0
34	34.		1.0
35	35.		1.0
36	36.		1.0
37	37.		1.0
38	38.		1.0
39	39.		1.0
40	40.		1.0
41	41.		1.0
42	42.		1.0
43	43.		1.0
44	44.		1.0
45	45.		1.0
46	46.		1.0
47	47.		1.0
48	48.		1.0
49	49.		1.0
50	50.		1.0
51	51.		1.0
52	52.		1.0
53	53.		1.0
54	54.		1.0
55	55.		1.0
56	56.		1.0
57	57.		1.0

**Fine Location 3**

(Code Position 11-12)

Code	Description	Remarks	Valid since Version
58	58.		1.0
59	59.		1.0
60	60.		1.0
61	61.		1.0
62	62.		1.0
63	63.		1.0
64	64.		1.0
65	65.		1.0
66	66.		1.0
67	67.		1.0
68	68.		1.0
69	69.		1.0
70	70.		1.0
71	71.		1.0
72	72.		1.0
73	73.		1.0
74	74.		1.0
75	75.		1.0
76	76.		1.0
77	77.		1.0
78	78.		1.0
79	79.		1.0
80	80.		1.0
81	81.		1.0
82	82.		1.0
83	83.		1.0
84	84.		1.0
85	85.		1.0
86	86.		1.0
87	87.		1.0
88	88.		1.0
89	89.		1.0
90	90.		1.0
91	91.		1.0
92	92.		1.0
93	93.		1.0
94	94.		1.0
95	95.		1.0
96	96.		1.0
97	97.		1.0
98	98.		1.0
99	99.		1.0

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### Physical Dimension

(Code Position 13-14)

Code	Description	Default Unit	Remarks	Valid since Version
00	Others	1		1.0
1?	Laboratory Specific Physical Dimension	?		1.5
2?	Customer Specific Physical Dimension	?		1.5
AA	Angular Acceleration	rad/(s*s)		1.0
AC	Acceleration	m/(s*s)		1.0
AD	Auditory Damage Units (ADU)	dB	According German AK3 (08.10.2002) has ADU no Unit	1.0
AN	Angle	rad		1.0
AV	Angular Velocity	rad/s		1.0
CH	Charge	C		1.0
CU	Current	A		1.0
DC	Distance	m	Distance between two points in space	1.0
DS	Displacement	m	Displacement/movement of one point in space	1.0
DV	Displacement, integrated from Velocity	m		1.5
EN	Energy	J		1.0
EV	Event	1		1.0
FO	Force	N		1.0
FR	Frequency	Hz		1.0
HU	Humidity	%		1.0
IL	Illuminance	lx		1.5
IM	Impulse	kg*m/s		1.0
LE	Lever Arm	m		1.0
LF	Luminous Flux	lm		1.5
LI	Luminous Intensity	cd		1.5
LU	Luminance	cd/(m*m)		1.5
MA	Mass	kg		1.0
MO	Moment	Nm		1.0
PO	Power	W		1.0
PR	Pressure	Pa		1.0
QU	Quaternion	1		1.6
RE	Resistance	V/A		1.0
SA	Solid angle (steradian)	sr		1.5
SE	Sensitivity	(Unit) / (Unit)		1.0
SP	Peak Sound Pressure Level (SPL)	dB		1.0
SR	Mechanical Stress	Pa		1.0
ST	Strain	m/m		1.0
TE	Temperature	K		1.0
TI	Time	s		1.0
VA	Velocity, Integr. from Acc.	m/s		1.4
VD	Velocity, Diff. from Displ.	m/s		1.4
VE	Velocity	m/s		1.0
VO	Voltage	V		1.0
VU	Volume	m*m*m		1.0

**Direction**

(Code Position 15)

Code	Description	Remarks	Valid since Version
<b>0</b>	Without		1.0
<b>R</b>	Resultant		1.0
<b>X</b>	Longitudinal		1.0
<b>Y</b>	Lateral		1.0
<b>Z</b>	Vertical		1.0
<b>1</b>	Longitudinal	divergent to SAE J211 Sign convention	1.2
<b>2</b>	Lateral	divergent to SAE J211 Sign convention	1.2
<b>3</b>	Vertical	divergent to SAE J211 Sign convention	1.2

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### Filter Class

(Code Position 16)

Code	Description	Remarks	Valid since Version
<b>0</b>	Unfiltered		1.0
<b>1</b>	FIR 100	NHTSA Filter Code	1.0
<b>2</b>	Combined A and B	NIJ according to SAE J1727	1.0
<b>3</b>	Combined B and C	CTI	1.0
<b>A</b>	CFC 1000	ISO 6487* / SAE J211:MAR95	1.0
<b>B</b>	CFC 600	ISO 6487* / SAE J211:MAR95	1.0
<b>C</b>	CFC 180	ISO 6487* / SAE J211:MAR95	1.0
<b>D</b>	CFC 60	ISO 6487* / SAE J211:MAR95	1.0
<b>E</b>	CFC 1000	ISO 6487:1987 / SAE J211:OCT88	1.0
<b>F</b>	CFC 600	ISO 6487:1987 / SAE J211:OCT88	1.0
<b>G</b>	CFC 180	ISO 6487:1987 / SAE J211:OCT88	1.0
<b>H</b>	CFC 60	ISO 6487:1987 / SAE J211:OCT88	1.0
<b>P</b>	Prefiltered > CFC 1000	Described in 'Test Channel File'	1.0
<b>Q</b>	Prefiltered < CFC 60	Described in 'Test Channel File'	1.0
<b>S</b>	Special Filter	See Channel Header	1.5
<b>V</b>	Data from film(video) analysis		1.3
<b>X</b>	Without (Constant Channel)		1.0



## Possible Channels

## BR Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000BRACR?	BR Dummy Head Acceleration Resultant		1.0
??HEAD0000BRACX?	BR Dummy Head Acceleration X		1.0
??HEAD0000BRACY?	BR Dummy Head Acceleration Y		1.0
??HEAD0000BRACZ?	BR Dummy Head Acceleration Z		1.0
??HEAD0000BRAVX?	BR Dummy Head Angular Velocity X		1.6
??HEAD0000BRAVY?	BR Dummy Head Angular Velocity Y		1.6
??HEAD0000BRAVZ?	BR Dummy Head Angular Velocity Z		1.6
S?HEAD00DIBRVEX?	BR Dummy Rebound Velocity	result from film analysis in whiplash testing	1.6
??HEADRE00BRFOX?	BR Dummy Head Rear Force X		1.6
??HEADRE00BRFOZ?	BR Dummy Head Rear Force Z		1.6
??HEADRE00BRMOY?	BR Dummy Head Rear Moment Y		1.6.1
S?HEADLO00BRDS??	BR Dummy Cheek (DT7)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?HEADMI00BRDS??	BR Dummy Head COG (DT6)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
??CESP0400BRACX?	BR Dummy Cervical Spine Acceleration X, 4th Vertebra	if two measurements are available use LE/RI variant	1.0
??CESP0400BRACY?	BR Dummy Cervical Spine Acceleration Y, 4th Vertebra	if two measurements are available use LE/RI variant	1.6.1
??CESP0400BRACZ?	BR Dummy Cervical Spine Acceleration Z, 4th Vertebra	if two measurements are available use LE/RI variant	1.0
??CESP04LEBRACX?	BR Dummy Cervical Spine Left Acceleration X, 4th Vertebra	if just one measurements use 00 variant	1.6.1
??CESP04LEBRACY?	BR Dummy Cervical Spine Left Acceleration Y, 4th Vertebra	if just one measurements use 00 variant	1.6.1
??CESP04LEBRACZ?	BR Dummy Cervical Spine Left Acceleration Z, 4th Vertebra	if just one measurements use 00 variant	1.6.1
??CESP04RIBRACX?	BR Dummy Cervical Spine Right Acceleration X, 4th Vertebra	if just one measurements use 00 variant	1.6.1
??CESP04RIBRACY?	BR Dummy Cervical Spine Right Acceleration Y, 4th Vertebra	if just one measurements use 00 variant	1.6.1
??CESP04RIBRACZ?	BR Dummy Cervical Spine Right Acceleration Z, 4th Vertebra	if just one measurements use 00 variant	1.6.1
??NECKUP00BRFOX?	BR Dummy Neck Upper Force X		1.0
??NECKUP00BRFOY?	BR Dummy Neck Upper Force Y		1.0
??NECKUP00BRFOZ?	BR Dummy Neck Upper Force Z		1.0
??NECKUP00BRMOX?	BR Dummy Neck Upper Moment X		1.0
??NECKUP00BRMOY?	BR Dummy Neck Upper Moment Y		1.0
??NECKUP00BRMOZ?	BR Dummy Neck Upper Moment Z		1.0
??NECKLO00BRFOX?	BR Dummy Neck Lower Force X		1.4
??NECKLO00BRFOZ?	BR Dummy Neck Lower Force Z		1.4
??NECKLO00BRMOY?	BR Dummy Neck Lower Moment Y		1.4
S?SPIN01FRBRDS??	BR Dummy T1 Bracket Distal (DT9)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SPIN01REBRDS??	BR Dummy T1 Bracket Proximal (DT8)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6

## Possible Channels

## BR Dummy

Code	Description	Remarks	Valid since Version
??THSP0100BRACX?	BR Dummy Thoracic Spine Acceleration X, 1st Vertebra	if two measurements are available use LE/RI variant	1.0
??THSP0100BRACY?	BR Dummy Thoracic Spine Acceleration Y, 1st Vertebra	if two measurements are available use LE/RI variant	1.6.1
??THSP0100BRACZ?	BR Dummy Thoracic Spine Acceleration Z, 1st Vertebra	if two measurements are available use LE/RI variant	1.0
??THSP0100BRAVX?	BR Dummy Thoracic Spine Angular Velocity X, 1st Vertebra		1.6
??THSP0100BRAVY?	BR Dummy Thoracic Spine Angular Velocity Y, 1st Vertebra		1.6
??THSP0100BRAVZ?	BR Dummy Thoracic Spine Angular Velocity Z, 1st Vertebra		1.6
??THSP01LEBRACX?	BR Dummy Thoracic Spine Left Acceleration X, 1st Vertebra	if just one measurements use 00 variant	1.6
??THSP01LEBRACY?	BR Dummy Thoracic Spine Left Acceleration Y, 1st Vertebra	if just one measurements use 00 variant	1.6.1
??THSP01LEBRACZ?	BR Dummy Thoracic Spine Left Acceleration Z, 1st Vertebra	if just one measurements use 00 variant	1.6
??THSP01RIBRACX?	BR Dummy Thoracic Spine Right Acceleration X, 1st Vertebra	if just one measurements use 00 variant	1.6
??THSP01RIBRACY?	BR Dummy Thoracic Spine Right Acceleration Y, 1st Vertebra	if just one measurements use 00 variant	1.6.1
??THSP01RIBRACZ?	BR Dummy Thoracic Spine Right Acceleration Z, 1st Vertebra	if just one measurements use 00 variant	1.6
??THSP0800BRACX?	BR Dummy Thoracic Spine Acceleration X, 8th Vertebra	if two measurements are available use LE/RI variant	1.0
??THSP0800BRACY?	BR Dummy Thoracic Spine Acceleration Y, 8th Vertebra	if two measurements are available use LE/RI variant	1.6.1
??THSP0800BRACZ?	BR Dummy Thoracic Spine Acceleration Z, 8th Vertebra	if two measurements are available use LE/RI variant	1.0
??THSP0800BRAVX?	BR Dummy Thoracic Spine Angular Velocity X, 8th Vertebra		1.6.1
??THSP0800BRAVY?	BR Dummy Thoracic Spine Angular Velocity Y, 8th Vertebra		1.6.1
??THSP0800BRAVZ?	BR Dummy Thoracic Spine Angular Velocity Z, 8th Vertebra		1.6.1
??THSP08LEBRACX?	BR Dummy Thoracic Spine Left Acceleration X, 8th Vertebra	if just one measurements use 00 variant	1.6.1
??THSP08LEBRACY?	BR Dummy Thoracic Spine Left Acceleration Y, 8th Vertebra	if just one measurements use 00 variant	1.6.1
??THSP08LEBRACZ?	BR Dummy Thoracic Spine Left Acceleration Z, 8th Vertebra	if just one measurements use 00 variant	1.6.1
??THSP08RIBRACX?	BR Dummy Thoracic Spine Right Acceleration X, 8th Vertebra	if just one measurements use 00 variant	1.6.1
??THSP08RIBRACY?	BR Dummy Thoracic Spine Right Acceleration Y, 8th Vertebra	if just one measurements use 00 variant	1.6.1
??THSP08RIBRACZ?	BR Dummy Thoracic Spine Right Acceleration Z, 8th Vertebra	if just one measurements use 00 variant	1.6.1
??MUSUFR00BRFO0?	BR Dummy Muscle Substitute Front Force		1.6
??MUSURE00BRFO0?	BR Dummy Muscle Substitute Rear Force		1.6
??LUSP0100BRACX?	BR Dummy Lumbar Spine Acceleration X, 1st Vertebra	if two measurements are available use LE/RI variant	1.0
??LUSP0100BRACY?	BR Dummy Lumbar Spine Acceleration Y, 1st Vertebra	if two measurements are available use LE/RI variant	1.6.1
??LUSP0100BRACZ?	BR Dummy Lumbar Spine Acceleration Z, 1st Vertebra	if two measurements are available use LE/RI variant	1.0
??LUSP01LEBRACX?	BR Dummy Lumbar Spine Left Acceleration X, 1st Vertebra	if just one measurements use 00 variant	1.6.1
??LUSP01LEBRACY?	BR Dummy Lumbar Spine Left Acceleration Y, 1st Vertebra	if just one measurements use 00 variant	1.6.1

## Possible Channels

## BR Dummy

Code	Description	Remarks	Valid since Version
??LUSP01LEBRACZ?	BR Dummy Lumbar Spine Left Acceleration Z, 1st Vertebra	if just one measurements use 00 variant	1.6.1
??LUSP01RIBRACX?	BR Dummy Lumbar Spine Right Acceleration X, 1st Vertebra	if just one measurements use 00 variant	1.6.1
??LUSP01RIBRACY?	BR Dummy Lumbar Spine Right Acceleration Y, 1st Vertebra	if just one measurements use 00 variant	1.6.1
??LUSP01RIBRACZ?	BR Dummy Lumbar Spine Right Acceleration Z, 1st Vertebra	if just one measurements use 00 variant	1.6.1
??LUSP0500BRFOX?	BR Dummy Lumbar Spine Force X, 5th Vertebra		1.6
??LUSP0500BRFOY?	BR Dummy Lumbar Spine Force Y, 5th Vertebra		1.6
??LUSP0500BRFOZ?	BR Dummy Lumbar Spine Force Z, 5th Vertebra		1.6
??LUSP0500BRMOX?	BR Dummy Lumbar Spine Moment X, 5th Vertebra		1.6
??LUSP0500BRMOY?	BR Dummy Lumbar Spine Moment Y, 5th Vertebra		1.6
??LUSP0500BRMOZ?	BR Dummy Lumbar Spine Moment Z, 5th Vertebra		1.6
??PELV0000BRACR?	BR Dummy Pelvis Acceleration Resultant		1.0
??PELV0000BRACX?	BR Dummy Pelvis Acceleration X		1.0
??PELV0000BRACY?	BR Dummy Pelvis Acceleration Y		1.0
??PELV0000BRACZ?	BR Dummy Pelvis Acceleration Z		1.0
??PELV0000BRAVX?	BR Dummy Pelvis Angular Velocity X		1.6
??PELV0000BRAVY?	BR Dummy Pelvis Angular Velocity Y		1.6
??PELV0000BRAVZ?	BR Dummy Pelvis Angular Velocity Z		1.6
S?PELVFR00BRDS??	BR Dummy Pelvis Bracket Distal (DT11)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?PELVRE00BRDS??	BR Dummy Pelvis Bracket Proximal (DT10)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6

## Possible Channels

## BS Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000BSACR?	BS Dummy	Head Acceleration Resultant	1.1
??HEAD0000BSACX?	BS Dummy	Head Acceleration X	1.1
??HEAD0000BSACY?	BS Dummy	Head Acceleration Y	1.1
??HEAD0000BSACZ?	BS Dummy	Head Acceleration Z	1.1
??HEADUP00BSACR?	BS Dummy	Head Upper Acceleration Resultant	1.1
??HEADUP00BSACX?	BS Dummy	Head Upper Acceleration X	1.1
??HEADUP00BSACY?	BS Dummy	Head Upper Acceleration Y	1.1
??HEADUP00BSACZ?	BS Dummy	Head Upper Acceleration Z	1.1
??HEADFR00BSACR?	BS Dummy	Head Front Acceleration Resultant	1.2
??HEADFR00BSACX?	BS Dummy	Head Front Acceleration X	1.1
??HEADFR00BSACY?	BS Dummy	Head Front Acceleration Y	1.1
??HEADFR00BSACZ?	BS Dummy	Head Front Acceleration Z	1.1
??HEADLE00BSACR?	BS Dummy	Head Left Acceleration Resultant	1.1
??HEADLE00BSACX?	BS Dummy	Head Left Acceleration X	1.1
??HEADLE00BSACY?	BS Dummy	Head Left Acceleration Y	1.1
??HEADLE00BSACZ?	BS Dummy	Head Left Acceleration Z	1.1
??HEADRE00BSACR?	BS Dummy	Head Rear Acceleration Resultant	1.1
??HEADRE00BSACX?	BS Dummy	Head Rear Acceleration X	1.1
??HEADRE00BSACY?	BS Dummy	Head Rear Acceleration Y	1.1
??HEADRE00BSACZ?	BS Dummy	Head Rear Acceleration Z	1.1
??HEADRI00BSACR?	BS Dummy	Head Right Acceleration Resultant	1.1
??HEADRI00BSACX?	BS Dummy	Head Right Acceleration X	1.1
??HEADRI00BSACY?	BS Dummy	Head Right Acceleration Y	1.1
??HEADRI00BSACZ?	BS Dummy	Head Right Acceleration Z	1.1
??NECKUP00BSFOX?	BS Dummy	Neck Upper Force X	1.1
??NECKUP00BSFOY?	BS Dummy	Neck Upper Force Y	1.1
??NECKUP00BSFOZ?	BS Dummy	Neck Upper Force Z	1.1
??NECKUP00BSLE0?	BS Dummy	Neck Upper Lever Arm	1.1
??NECKUP00BSMOX?	BS Dummy	Neck Upper Moment X	1.1
??NECKUP00BSMOY?	BS Dummy	Neck Upper Moment Y	1.1
??NECKUP00BSMOZ?	BS Dummy	Neck Upper Moment Z	1.1
??NECKUPTOBSMOX?	BS Dummy	Neck Upper Total Moment X	1.1
??NECKUPTOBSMOY?	BS Dummy	Neck Upper Total Moment Y	1.1
??NECKLO00BSFOX?	BS Dummy	Neck Lower Force X	1.1
??NECKLO00BSFOY?	BS Dummy	Neck Lower Force Y	1.1
??NECKLO00BSFOZ?	BS Dummy	Neck Lower Force Z	1.1
??NECKLO00BSLEX?	BS Dummy	Neck Lower Lever Arm X	1.1
??NECKLO00BSLEZ?	BS Dummy	Neck Lower Lever Arm Z	1.1
??NECKLO00BSMOX?	BS Dummy	Neck Lower Moment X	1.1
??NECKLO00BSMOY?	BS Dummy	Neck Lower Moment Y	1.1
??NECKLO00BSMOZ?	BS Dummy	Neck Lower Moment Z	1.1
??NECKLOTOBSMOX?	BS Dummy	Neck Lower Total Moment X	1.1
??NECKLOTOBSMOY?	BS Dummy	Neck Lower Total Moment Y	1.1
??NECKLOTOBSMOZ?	BS Dummy	Neck Lower Total Moment Z	1.1
??SHLDLE00BSACY?	BS Dummy	Shoulder Left Acceleration Y	1.1
??SHLDLE00BSDSY?	BS Dummy	Shoulder Left Displacement Y	1.1
??SHLDLE00BSFOX?	BS Dummy	Shoulder Left Force X	1.1
??SHLDLE00BSFOY?	BS Dummy	Shoulder Left Force Y	1.1
??SHLDLE00BSFOZ?	BS Dummy	Shoulder Left Force Z	1.1
??SHLDRI00BSACY?	BS Dummy	Shoulder Right Acceleration Y	1.1

## Possible Channels

## BS Dummy

Code	Description	Remarks	Valid since Version
??SHLDRI00BSDSY?	BS Dummy	Shoulder Right Displacement Y	1.1
??SHLDRI00BSFOX?	BS Dummy	Shoulder Right Force X	1.1
??SHLDRI00BSFOY?	BS Dummy	Shoulder Right Force Y	1.1
??SHLDRI00BSFOZ?	BS Dummy	Shoulder Right Force Z	1.1
??CHRIELOBSACY?	BS Dummy	Chest Ribs Left Lower Acceleration Y	1.1
??CHRIELOBSDSY?	BS Dummy	Chest Ribs Left Lower Displacement Y	1.1
??CHRILEMIBSACY?	BS Dummy	Chest Ribs Left Middle Acceleration Y	1.1
??CHRILEMIBSDSY?	BS Dummy	Chest Ribs Left Middle Displacement Y	1.1
??CHRILEUPBSACY?	BS Dummy	Chest Ribs Left Upper Acceleration Y	1.1
??CHRILEUPBSDSY?	BS Dummy	Chest Ribs Left Upper Displacement Y	1.1
??CHRIRILOBSACY?	BS Dummy	Chest Ribs Right Lower Acceleration Y	1.1
??CHRIRILOBSDSY?	BS Dummy	Chest Ribs Right Lower Displacement Y	1.1
??CHRIRIMIBSACY?	BS Dummy	Chest Ribs Right Middle Acceleration Y	1.1
??CHRIRIMIBSDSY?	BS Dummy	Chest Ribs Right Middle Displacement Y	1.1
??CHRIRIUPBSACY?	BS Dummy	Chest Ribs Right Upper Acceleration Y	1.1
??CHRIRIUPBSDSY?	BS Dummy	Chest Ribs Right Upper Displacement Y	1.1
??SPIN0100BSACR?	BS Dummy	Spine (T1) Acceleration Resultant	1.1
??SPIN0100BSACX?	BS Dummy	Spine (T1) Acceleration X	1.1
??SPIN0100BSACY?	BS Dummy	Spine (T1) Acceleration Y	1.1
??SPIN0100BSACZ?	BS Dummy	Spine (T1) Acceleration Z	1.1
??SPIN1200BSACR?	BS Dummy	Spine (T12) Acceleration Resultant	1.1
??SPIN1200BSACX?	BS Dummy	Spine (T12) Acceleration X	1.1
??SPIN1200BSACY?	BS Dummy	Spine (T12) Acceleration Y	1.1
??SPIN1200BSACZ?	BS Dummy	Spine (T12) Acceleration Z	1.1
??CHST0000BSACR?	BS Dummy	Chest Acceleration Resultant	1.1
??CHST0000BSACX?	BS Dummy	Chest Acceleration X	1.1
??CHST0000BSACY?	BS Dummy	Chest Acceleration Y	1.1
??CHST0000BSACZ?	BS Dummy	Chest Acceleration Z	1.1
??ABRILELOBSACY?	BS Dummy	Abdominal Rib Left Lower Acceleration Y	1.2
??ABRILELOBSDSY?	BS Dummy	Abdominal Rib Left Lower Displacement Y	1.2
??ABRILEUPBSACY?	BS Dummy	Abdominal Rib Left Upper Acceleration Y	1.2
??ABRILEUPBSDSY?	BS Dummy	Abdominal Rib Left Upper Displacement Y	1.2
??ABRIRILOBSACY?	BS Dummy	Abdominal Rib Right Lower Acceleration Y	1.2
??ABRIRILOBSDSY?	BS Dummy	Abdominal Rib Right Lower Displacement Y	1.2
??ABRIRIUPBSACY?	BS Dummy	Abdominal Rib Right Upper Acceleration Y	1.2
??ABRIRIUPBSDSY?	BS Dummy	Abdominal Rib Right Upper Displacement Y	1.2
??LUSP0000BSFOX?	BS Dummy	Lumbar Spine Force X	1.1
??LUSP0000BSFOY?	BS Dummy	Lumbar Spine Force Y	1.1
??LUSP0000BSFOZ?	BS Dummy	Lumbar Spine Force Z	1.1
??LUSP0000BSMOX?	BS Dummy	Lumbar Spine Moment X	1.1
??LUSP0000BSMOY?	BS Dummy	Lumbar Spine Moment Y	1.1
??PELV0000BSACR?	BS Dummy	Pelvis Acceleration Resultant	1.1
??PELV0000BSACX?	BS Dummy	Pelvis Acceleration X	1.1
??PELV0000BSACY?	BS Dummy	Pelvis Acceleration Y	1.1
??PELV0000BSACZ?	BS Dummy	Pelvis Acceleration Z	1.1
??ILACLE00BSFOY?	BS Dummy	Iliac Wing Left Force Y	1.1
??ILACRI00BSFOY?	BS Dummy	Iliac Wing Right Force Y	1.1
??PUBC0000BSFOY?	BS Dummy	Pubic Symphysis Force Y	1.1
??SACR0000BSFOY?	BS Dummy	Sacrum force Y	1.1
??FEMRLE00BSFOX?	BS Dummy	Femur Left Force X	1.1

## Possible Channels

## BS Dummy

Code	Description	Remarks	Valid since Version
??FEMRLE00BSFOY?	BS Dummy	Femur Left Force Y	1.1
??FEMRLE00BSFOZ?	BS Dummy	Femur Left Force Z	1.1
??FEMRLE00BSMOX?	BS Dummy	Femur Left Moment X	1.1
??FEMRLE00BSMOY?	BS Dummy	Femur Left Moment Y	1.1
??FEMRLE00BSMOZ?	BS Dummy	Femur Left Moment Z	1.1
??FEMRRI00BSFOX?	BS Dummy	Femur Right Force X	1.1
??FEMRRI00BSFOY?	BS Dummy	Femur Right Force Y	1.1
??FEMRRI00BSFOZ?	BS Dummy	Femur Right Force Z	1.1
??FEMRRI00BSMOX?	BS Dummy	Femur Right Moment X	1.1
??FEMRRI00BSMOY?	BS Dummy	Femur Right Moment Y	1.1
??FEMRRI00BSMOZ?	BS Dummy	Femur Right Moment Z	1.1
??CLEVLEINBSFOZ?	BS Dummy	Knee Clevis Left Inner Force Z	1.1
??CLEVLEOUBSFOZ?	BS Dummy	Knee Clevis Left Outer Force Z	1.1
??CLEVRIINBSFOZ?	BS Dummy	Knee Clevis Right Inner Force Z	1.1
??CLEVRIOUBSFOZ?	BS Dummy	Knee Clevis Right Outer Force Z	1.1
??TIBILELOBSFOX?	BS Dummy	Tibia Left Lower Force X	1.1
??TIBILELOBSFOY?	BS Dummy	Tibia Left Lower Force Y	1.1
??TIBILELOBSFOZ?	BS Dummy	Tibia Left Lower Force Z	1.1
??TIBILELOBSMOX?	BS Dummy	Tibia Left Lower Moment X	1.1
??TIBILELOBSMOY?	BS Dummy	Tibia Left Lower Moment Y	1.1
??TIBILEUPBSFOX?	BS Dummy	Tibia Left Upper Force X	1.1
??TIBILEUPBSFOZ?	BS Dummy	Tibia Left Upper Force Z	1.1
??TIBILEUPBSMOX?	BS Dummy	Tibia Left Upper Moment X	1.1
??TIBILEUPBSMOY?	BS Dummy	Tibia Left Upper Moment Y	1.1
??TIBIRILOBSFOX?	BS Dummy	Tibia Right Lower Force X	1.1
??TIBIRILOBSFOY?	BS Dummy	Tibia Right Lower Force Y	1.1
??TIBIRILOBSFOZ?	BS Dummy	Tibia Right Lower Force Z	1.1
??TIBIRILOBSMOX?	BS Dummy	Tibia Right Lower Moment X	1.1
??TIBIRILOBSMOY?	BS Dummy	Tibia Right Lower Moment Y	1.1
??TIBIRIUPBSFOX?	BS Dummy	Tibia Right Upper Force X	1.1
??TIBIRIUPBSFOZ?	BS Dummy	Tibia Right Upper Force Z	1.1
??TIBIRIUPBSMOX?	BS Dummy	Tibia Right Upper Moment X	1.1
??TIBIRIUPBSMOY?	BS Dummy	Tibia Right Upper Moment Y	1.1
??FOOTLE00BSACR?	BS Dummy	Foot Left Acceleration Resultant	1.1
??FOOTLE00BSACX?	BS Dummy	Foot Left Acceleration X	1.1
??FOOTLE00BSACY?	BS Dummy	Foot Left Acceleration Y	1.1
??FOOTLE00BSACZ?	BS Dummy	Foot Left Acceleration Z	1.1
??FOOTLE00BSFOX?	BS Dummy	Foot Ankle Left Force X	1.1
??FOOTLE00BSFOY?	BS Dummy	Foot Ankle Left Force Y	1.1
??FOOTLE00BSFOZ?	BS Dummy	Foot Ankle Left Force Z	1.1
??FOOTLE00BSMOX?	BS Dummy	Foot Ankle Left Moment X	1.1
??FOOTLE00BSMOY?	BS Dummy	Foot Ankle Left Moment Y	1.1
??FOOTRI00BSACR?	BS Dummy	Foot Right Acceleration Resultant	1.1
??FOOTRI00BSACX?	BS Dummy	Foot Right Acceleration X	1.1
??FOOTRI00BSACY?	BS Dummy	Foot Right Acceleration Y	1.1
??FOOTRI00BSACZ?	BS Dummy	Foot Right Acceleration Z	1.1
??FOOTRI00BSFOX?	BS Dummy	Foot Ankle Right Force X	1.1
??FOOTRI00BSFOY?	BS Dummy	Foot Ankle Right Force Y	1.1
??FOOTRI00BSFOZ?	BS Dummy	Foot Ankle Right Force Z	1.1
??FOOTRI00BSMOX?	BS Dummy	Foot Ankle Right Moment X	1.1

**Possible Channels****BS Dummy**

Code	Description	Remarks	Valid since Version
??FOOTRI00BSMOY?	BS Dummy	Foot Ankle Right Moment Y	1.1
??HEELLE00BSACZ?	BS Dummy	Heel Left Acceleration Z	1.1
??HEELRI00BSACZ?	BS Dummy	Heel Right Acceleration Z	1.1
??TOESLE00BSACZ?	BS Dummy	Toe Left Acceleration Z	1.1
??TOESLE00BSFOZ?	BS Dummy	Toe Left Force Z	1.1
??TOESRI00BSACZ?	BS Dummy	Toe Right Acceleration Z	1.1
??TOESRI00BSFOZ?	BS Dummy	Toe Right Force Z	1.1

## Possible Channels

## E1 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000E1ACR?	E1 Dummy Head Acceleration Resultant		1.0
??HEAD0000E1ACX?	E1 Dummy Head Acceleration X		1.0
??HEAD0000E1ACY?	E1 Dummy Head Acceleration Y		1.0
??HEAD0000E1ACZ?	E1 Dummy Head Acceleration Z		1.0
??NECKUP00E1FOX?	E1 Dummy Neck Upper Force X		1.0
??NECKUP00E1FOY?	E1 Dummy Neck Upper Force Y		1.0
??NECKUP00E1FOZ?	E1 Dummy Neck Upper Force Z		1.0
??NECKUP00E1LE0?	E1 Dummy Neck Upper Lever Arm		1.0
??NECKUP00E1MOX?	E1 Dummy Neck Upper Moment X		1.0
??NECKUP00E1MOY?	E1 Dummy Neck Upper Moment Y		1.0
??NECKUP00E1MOZ?	E1 Dummy Neck Upper Moment Z		1.0
??NECKLO00E1FOX?	E1 Dummy Neck Lower Force X		1.0
??NECKLO00E1FOY?	E1 Dummy Neck Lower Force Y		1.0
??NECKLO00E1FOZ?	E1 Dummy Neck Lower Force Z		1.0
??NECKLO00E1LEX?	E1 Dummy Neck Lower Lever Arm X		1.0
??NECKLO00E1LEZ?	E1 Dummy Neck Lower Lever Arm Z		1.0
??NECKLO00E1MOX?	E1 Dummy Neck Lower Moment X		1.0
??NECKLO00E1MOY?	E1 Dummy Neck Lower Moment Y		1.0
??NECKLO00E1MOZ?	E1 Dummy Neck Lower Moment Z		1.0
??SHLDLE00E1FOX?	E1 Dummy Shoulder Left Force X		1.0
??SHLDLE00E1FOY?	E1 Dummy Shoulder Left Force Y		1.0
??SHLDLE00E1FOZ?	E1 Dummy Shoulder Left Force Z		1.0
??SHLDRI00E1FOX?	E1 Dummy Shoulder Right Force X		1.0
??SHLDRI00E1FOY?	E1 Dummy Shoulder Right Force Y		1.0
??SHLDRI00E1FOZ?	E1 Dummy Shoulder Right Force Z		1.0
??RIBSLELOE1ACY?	E1 Dummy Rib Left Lower Acceleration Y		1.0
??RIBSLELOE1DSY?	E1 Dummy Rib Left Lower Displacement Y		1.0
??RIBSLELOE1VEY?	E1 Dummy Rib Left Lower Velocity Y		1.0
??RIBSLEMIE1ACY?	E1 Dummy Rib Left Middle Acceleration Y		1.0
??RIBSLEMIE1DSY?	E1 Dummy Rib Left Middle Displacement Y		1.0
??RIBSLEMIE1VEY?	E1 Dummy Rib Left Middle Velocity Y		1.0
??RIBSLEUPE1ACY?	E1 Dummy Rib Left Upper Acceleration Y		1.0
??RIBSLEUPE1DSY?	E1 Dummy Rib Left Upper Displacement Y		1.0
??RIBSLEUPE1VEY?	E1 Dummy Rib Left Upper Velocity Y		1.0
??RIBSRILOE1ACY?	E1 Dummy Rib Right Lower Acceleration Y		1.2
??RIBSRILOE1DSY?	E1 Dummy Rib Right Lower Displacement Y		1.0
??RIBSRILOE1VEY?	E1 Dummy Rib Right Lower Velocity Y		1.2
??RIBSRIMIE1ACY?	E1 Dummy Rib Right Middle Acceleration Y		1.2
??RIBSRIMIE1DSY?	E1 Dummy Rib Right Middle Displacement Y		1.0
??RIBSRIMIE1VEY?	E1 Dummy Rib Right Middle Velocity Y		1.2
??RIBSRIUPE1ACY?	E1 Dummy Rib Right Upper Acceleration Y		1.2
??RIBSRIUPE1DSY?	E1 Dummy Rib Right Upper Displacement Y		1.0
??RIBSRIUPE1VEY?	E1 Dummy Rib Right Upper Velocity Y		1.2
??SPIN0100E1ACR?	E1 Dummy Spine Upper (T1) Acceleration Resultant		1.0
??SPIN0100E1ACX?	E1 Dummy Spine Upper (T1) Acceleration X		1.0
??SPIN0100E1ACY?	E1 Dummy Spine Upper (T1) Acceleration Y		1.0
??SPIN0100E1ACZ?	E1 Dummy Spine Upper (T1) Acceleration Z		1.0
??SPIN1200E1ACR?	E1 Dummy Spine Lower (T12) Acceleration Resultant		1.0
??SPIN1200E1ACX?	E1 Dummy Spine Lower (T12) Acceleration X		1.0
??SPIN1200E1ACY?	E1 Dummy Spine Lower (T12) Acceleration Y		1.0



## Possible Channels

## E1 Dummy

Code	Description	Remarks	Valid since Version
??SPIN1200E1ACZ?	E1 Dummy Spine Lower (T12) Acceleration Z		1.0
??SPIN1200E1FOX?	E1 Dummy Spine Lower (T12) Force X		1.1
??SPIN1200E1FOY?	E1 Dummy Spine Lower (T12) Force Y		1.1
??SPIN1200E1MOX?	E1 Dummy Spine Lower (T12) Moment X		1.2
??SPIN1200E1MOY?	E1 Dummy Spine Lower (T12) Moment Y		1.1
??THSP0000E1TE0?	E1 Dummy Thoracic Spine Temperature		1.6
??BAPL0000E1FOX?	E1 Dummy Backplate Force X		1.0
??BAPL0000E1FOY?	E1 Dummy Backplate Force Y		1.0
??BAPL0000E1MOY?	E1 Dummy Backplate Moment Y		1.2
??BAPL0000E1MOZ?	E1 Dummy Backplate Moment Z		1.0
??ABDOLEFRE1FOY?	E1 Dummy Abdominal Left Front Force Y		1.0
??ABDOLEMIE1FOY?	E1 Dummy Abdominal Left Middle Force Y		1.0
??ABDOLEREE1FOY?	E1 Dummy Abdominal Left Rear Force Y		1.0
??ABDOLESUE1FOY?	E1 Dummy Abdominal Left Sum Force Y		1.0
??ABDORIFRE1FOY?	E1 Dummy Abdominal Right Front Force Y		1.0
??ABDORIMIE1FOY?	E1 Dummy Abdominal Right Middle Force Y		1.0
??ABDORIREE1FOY?	E1 Dummy Abdominal Right Rear Force Y		1.0
??ABDORISUE1FOY?	E1 Dummy Abdominal Right Sum Force Y		1.0
??LUSP0000E1FOX?	E1 Dummy Lumbar Spine Force X		1.6.1
??LUSP0000E1FOY?	E1 Dummy Lumbar Spine Force Y		1.0
??LUSP0000E1FOZ?	E1 Dummy Lumbar Spine Force Z		1.0
??LUSP0000E1MOX?	E1 Dummy Lumbar Spine Moment X		1.0
??LUSP0000E1MOY?	E1 Dummy Lumbar Spine Moment Y		1.6.1
??LUSP0000E1MOZ?	E1 Dummy Lumbar Spine Moment Z		1.6.1
??PELV0000E1ACR?	E1 Dummy Pelvis Acceleration Resultant		1.0
??PELV0000E1ACX?	E1 Dummy Pelvis Acceleration X		1.0
??PELV0000E1ACY?	E1 Dummy Pelvis Acceleration Y		1.0
??PELV0000E1ACZ?	E1 Dummy Pelvis Acceleration Z		1.0
??PELV0000E1ANX?	E1 Dummy Pelvis Angle X		1.0
??PELV0000E1ANY?	E1 Dummy Pelvis Angle Y		1.0
??PUBCLE00E1FOY?	E1 Dummy Pubic Symphysis Left Force Y		1.0
??PUBCRI00E1FOY?	E1 Dummy Pubic Symphysis Right Force Y		1.1
??FEMRLE00E1FOX?	E1 Dummy Femur Left Force X		1.0
??FEMRLE00E1FOY?	E1 Dummy Femur Left Force Y		1.0
??FEMRLE00E1FOZ?	E1 Dummy Femur Left Force Z		1.0
??FEMRLE00E1MOX?	E1 Dummy Femur Left Moment X		1.0
??FEMRLE00E1MOY?	E1 Dummy Femur Left Moment Y		1.0
??FEMRLE00E1MOZ?	E1 Dummy Femur Left Moment Z		1.0
??FEMRRI00E1FOX?	E1 Dummy Femur Right Force X		1.0
??FEMRRI00E1FOY?	E1 Dummy Femur Right Force Y		1.0
??FEMRRI00E1FOZ?	E1 Dummy Femur Right Force Z		1.0
??FEMRRI00E1MOX?	E1 Dummy Femur Right Moment X		1.0
??FEMRRI00E1MOY?	E1 Dummy Femur Right Moment Y		1.0
??FEMRRI00E1MOZ?	E1 Dummy Femur Right Moment Z		1.0
??VCCRLELOE1VEY?	E1 Dummy Rib Viscous Criterion Left Lower		1.0
??VCCRLEMIE1VEY?	E1 Dummy Rib Viscous Criterion Left Middle		1.0
??VCCRLEUPE1VEY?	E1 Dummy Rib Viscous Criterion Left Upper		1.0
??VCCRRILOE1VEY?	E1 Dummy Rib Viscous Criterion Right Lower		1.0
??VCCRRIEMIE1VEY?	E1 Dummy Rib Viscous Criterion Right Middle		1.0
??VCCRRIUPE1VEY?	E1 Dummy Rib Viscous Criterion Right Upper		1.0

## Possible Channels

## E2 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000E2ACR?	E2 Dummy	Head Acceleration Resultant	1.4
??HEAD0000E2ACX?	E2 Dummy	Head Acceleration X	1.4
??HEAD0000E2ACY?	E2 Dummy	Head Acceleration Y	1.4
??HEAD0000E2ACZ?	E2 Dummy	Head Acceleration Z	1.4
??HEAD0000E2AVX?	E2 Dummy	Head Angular Velocity X	1.6
??HEAD0000E2AVY?	E2 Dummy	Head Angular Velocity Y	1.6
??HEAD0000E2AVZ?	E2 Dummy	Head Angular Velocity Z	1.6
??HEADUP00E2ACX?	E2 Dummy	Head Upper Acceleration X	1.6.1
??HEADUP00E2ACY?	E2 Dummy	Head Upper Acceleration Y	1.6.1
??HEADFR00E2ACY?	E2 Dummy	Head Front Acceleration Y	1.6.1
??HEADFR00ERACZ?	E2 Dummy	Head Front Acceleration Z	1.6.1
??HEADLE00E2ACX?	E2 Dummy	Head Left Acceleration X	1.6.1
??HEADLE00E2ACZ?	E2 Dummy	Head Left Acceleration Z	1.6.1
??HEADPR00E2ANX?	E2 Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6
??HEADPR00E2ANY?	E2 Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6
??NECKUP00E2FOX?	E2 Dummy	Neck Upper Force X	1.4
??NECKUP00E2FOY?	E2 Dummy	Neck Upper Force Y	1.4
??NECKUP00E2FOZ?	E2 Dummy	Neck Upper Force Z	1.4
??NECKUP00E2LE0?	E2 Dummy	Neck Upper Lever Arm	1.4
??NECKUP00E2MOX?	E2 Dummy	Neck Upper Moment X	1.4
??NECKUP00E2MOY?	E2 Dummy	Neck Upper Moment Y	1.4
??NECKUP00E2MOZ?	E2 Dummy	Neck Upper Moment Z	1.4
??NECKLO00E2FOX?	E2 Dummy	Neck Lower Force X	1.4
??NECKLO00E2FOY?	E2 Dummy	Neck Lower Force Y	1.4
??NECKLO00E2FOZ?	E2 Dummy	Neck Lower Force Z	1.4
??NECKLO00E2LEX?	E2 Dummy	Neck Lower Lever Arm X	1.4
??NECKLO00E2LEZ?	E2 Dummy	Neck Lower Lever Arm Z	1.4
??NECKLO00E2MOX?	E2 Dummy	Neck Lower Moment X	1.4
??NECKLO00E2MOY?	E2 Dummy	Neck Lower Moment Y	1.4
??NECKLO00E2MOZ?	E2 Dummy	Neck Lower Moment Z	1.4
??SHLDLE00E2ANZ?	E2 Dummy	Shoulder Left Angle Z	1.6
??SHLDLE00E2FOX?	E2 Dummy	Shoulder Left Force X	1.4
??SHLDLE00E2FOY?	E2 Dummy	Shoulder Left Force Y	1.4
??SHLDLE00E2FOZ?	E2 Dummy	Shoulder Left Force Z	1.4
??SHLDRI00E2ANZ?	E2 Dummy	Shoulder Right Angle Z	1.6
??SHLDRI00E2FOX?	E2 Dummy	Shoulder Right Force X	1.4
??SHLDRI00E2FOY?	E2 Dummy	Shoulder Right Force Y	1.4
??SHLDRI00E2FOZ?	E2 Dummy	Shoulder Right Force Z	1.4
??RIBSLELOE2ACY?	E2 Dummy	Rib Left Lower Acceleration Y	1.4
??RIBSLELOE2DSY?	E2 Dummy	Rib Left Lower Displacement Y	1.4
??RIBSLELOE2VEY?	E2 Dummy	Rib Left Lower Velocity Y	1.4
??RIBSLEMIE2ACY?	E2 Dummy	Rib Left Middle Acceleration Y	1.4
??RIBSLEMIE2DSY?	E2 Dummy	Rib Left Middle Displacement Y	1.4
??RIBSLEMIE2VEY?	E2 Dummy	Rib Left Middle Velocity Y	1.4
??RIBSLEUPE2ACY?	E2 Dummy	Rib Left Upper Acceleration Y	1.4
??RIBSLEUPE2DSY?	E2 Dummy	Rib Left Upper Displacement Y	1.4
??RIBSLEUPE2VEY?	E2 Dummy	Rib Left Upper Velocity Y	1.4
??RIBSRILOE2ACY?	E2 Dummy	Rib Right Lower Acceleration Y	1.4
??RIBSRILOE2DSY?	E2 Dummy	Rib Right Lower Displacement Y	1.4

## Possible Channels

## E2 Dummy

Code	Description	Remarks	Valid since Version
??RIBSRIOE2VEY?	E2 Dummy	Rib Right Lower Velocity Y	1.4
??RIBSRIMIE2ACY?	E2 Dummy	Rib Right Middle Acceleration Y	1.4
??RIBSRIMIE2DSY?	E2 Dummy	Rib Right Middle Displacement Y	1.4
??RIBSRIMIE2VEY?	E2 Dummy	Rib Right Middle Velocity Y	1.4
??RIBSRIUPE2ACY?	E2 Dummy	Rib Right Upper Acceleration Y	1.4
??RIBSRIUPE2DSY?	E2 Dummy	Rib Right Upper Displacement Y	1.4
??RIBSRIUPE2VEY?	E2 Dummy	Rib Right Upper Velocity Y	1.4
??SPIN0100E2ACR?	E2 Dummy	Spine Upper (T1) Acceleration Resultant	1.4
??SPIN0100E2ACX?	E2 Dummy	Spine Upper (T1) Acceleration X	1.4
??SPIN0100E2ACY?	E2 Dummy	Spine Upper (T1) Acceleration Y	1.4
??SPIN0100E2ACZ?	E2 Dummy	Spine Upper (T1) Acceleration Z	1.4
??SPIN0100E2AVX?	E2 Dummy	Spine Upper (T1) Angular Velocity X	1.6
??SPIN0100E2AVY?	E2 Dummy	Spine Upper (T1) Angular Velocity Y	1.6
??SPIN0100E2AVZ?	E2 Dummy	Spine Upper (T1) Angular Velocity Z	1.6
??SPIN1200E2ACR?	E2 Dummy	Spine Lower (T12) Acceleration Resultant	1.4
??SPIN1200E2ACX?	E2 Dummy	Spine Lower (T12) Acceleration X	1.4
??SPIN1200E2ACY?	E2 Dummy	Spine Lower (T12) Acceleration Y	1.4
??SPIN1200E2ACZ?	E2 Dummy	Spine Lower (T12) Acceleration Z	1.4
??SPIN1200E2FOX?	E2 Dummy	Spine Lower (T12) Force X	1.4
??SPIN1200E2FOY?	E2 Dummy	Spine Lower (T12) Force Y	1.4
??SPIN1200E2MOX?	E2 Dummy	Spine Lower (T12) Moment X	1.4
??SPIN1200E2MOY?	E2 Dummy	Spine Lower (T12) Moment Y	1.4
??THSP0000E2TE0?	E2 Dummy	Thoracic Spine Temperature	1.6
??THSPPR00E2ANX?	E2 Dummy	Thoracic Spine Angle X	quasi-static measurement for dummy positioning 1.6
??THSPPR00E2ANY?	E2 Dummy	Thoracic Spine Angle Y	quasi-static measurement for dummy positioning 1.6
??BAPL0000E2FOX?	E2 Dummy	Backplate Force X	1.4
??BAPL0000E2FOY?	E2 Dummy	Backplate Force Y	1.4
??BAPL0000E2MOY?	E2 Dummy	Backplate Moment Y	1.4
??BAPL0000E2MOZ?	E2 Dummy	Backplate Moment Z	1.4
??ABDOLEFRE2FOY?	E2 Dummy	Abdominal Left Front Force Y	1.4
??ABDOLEMIE2FOY?	E2 Dummy	Abdominal Left Middle Force Y	1.4
??ABDOLEREE2FOY?	E2 Dummy	Abdominal Left Rear Force Y	1.4
??ABDOLESUE2FOY?	E2 Dummy	Abdominal Left Sum Force Y	1.4
??ABDORIFRE2FOY?	E2 Dummy	Abdominal Right Front Force Y	1.4
??ABDORIMIE2FOY?	E2 Dummy	Abdominal Right Middle Force Y	1.4
??ABDORIREE2FOY?	E2 Dummy	Abdominal Right Rear Force Y	1.4
??ABDORISUE2FOY?	E2 Dummy	Abdominal Right Sum Force Y	1.4
??LUSP0000E2FOX?	E2 Dummy	Lumbar Spine Force X	1.6.1
??LUSP0000E2FOY?	E2 Dummy	Lumbar Spine Force Y	1.4
??LUSP0000E2FOZ?	E2 Dummy	Lumbar Spine Force Z	1.4
??LUSP0000E2MOX?	E2 Dummy	Lumbar Spine Moment X	1.4
??LUSP0000E2MOY?	E2 Dummy	Lumbar Spine Moment Y	1.6.1
??LUSP0000E2MOZ?	E2 Dummy	Lumbar Spine Moment Z	1.6.1
??PELV0000E2ACR?	E2 Dummy	Pelvis Acceleration Resultant	1.4
??PELV0000E2ACX?	E2 Dummy	Pelvis Acceleration X	1.4
??PELV0000E2ACY?	E2 Dummy	Pelvis Acceleration Y	1.4
??PELV0000E2ACZ?	E2 Dummy	Pelvis Acceleration Z	1.4
??PELV0000E2AVX?	E2 Dummy	Pelvis Angular Velocity X	1.6
??PELV0000E2AVY?	E2 Dummy	Pelvis Angular Velocity Y	1.6

## Possible Channels

## E2 Dummy

Code	Description	Remarks	Valid since Version
??PELV0000E2AVZ?	E2 Dummy Pelvis Angular Velocity Z		1.6
??PELVPR00E2ANX?	E2 Dummy Pelvis Angle X	quasi-static measurement for dummy positioning	1.6
??PELVPR00E2ANY?	E2 Dummy Pelvis Angle Y	quasi-static measurement for dummy positioning	1.6
??PUBC0000E2FOY?	E2 Dummy Pubic Symphysis Force Y		1.6
??FEMRLE00E2FOX?	E2 Dummy Femur Left Force X		1.4
??FEMRLE00E2FOY?	E2 Dummy Femur Left Force Y		1.4
??FEMRLE00E2FOZ?	E2 Dummy Femur Left Force Z		1.4
??FEMRLE00E2MOX?	E2 Dummy Femur Left Moment X		1.4
??FEMRLE00E2MOY?	E2 Dummy Femur Left Moment Y		1.4
??FEMRLE00E2MOZ?	E2 Dummy Femur Left Moment Z		1.4
??FEMRRI00E2FOX?	E2 Dummy Femur Right Force X		1.4
??FEMRRI00E2FOY?	E2 Dummy Femur Right Force Y		1.4
??FEMRRI00E2FOZ?	E2 Dummy Femur Right Force Z		1.4
??FEMRRI00E2MOX?	E2 Dummy Femur Right Moment X		1.4
??FEMRRI00E2MOY?	E2 Dummy Femur Right Moment Y		1.4
??FEMRRI00E2MOZ?	E2 Dummy Femur Right Moment Z		1.4
??VCCRLELOE2VEY?	E2 Dummy Rib Viscous Criterion Left Lower		1.4
??VCCRLEMIE2VEY?	E2 Dummy Rib Viscous Criterion Left Middle		1.4
??VCCRLEUPE2VEY?	E2 Dummy Rib Viscous Criterion Left Upper		1.4
??VCCRRILOE2VEY?	E2 Dummy Rib Viscous Criterion Right Lower		1.4
??VCCRRIIMIE2VEY?	E2 Dummy Rib Viscous Criterion Right Middle		1.4
??VCCRRIUPE2VEY?	E2 Dummy Rib Viscous Criterion Right Upper		1.4

## Possible Channels

## H3 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000H3ACR?	H3 Dummy	Head Acceleration Resultant	1.0
??HEAD0000H3ACX?	H3 Dummy	Head Acceleration X	1.0
??HEAD0000H3ACY?	H3 Dummy	Head Acceleration Y	1.0
??HEAD0000H3ACZ?	H3 Dummy	Head Acceleration Z	1.0
??HEAD0000H3AVX?	H3 Dummy	Head Angular Velocity X	1.6
??HEAD0000H3AVY?	H3 Dummy	Head Angular Velocity Y	1.6
??HEAD0000H3AVZ?	H3 Dummy	Head Angular Velocity Z	1.6
??HEADUP00H3ACR?	H3 Dummy	Head Upper Acceleration Resultant	1.0
??HEADUP00H3ACX?	H3 Dummy	Head Upper Acceleration X	1.0
??HEADUP00H3ACY?	H3 Dummy	Head Upper Acceleration Y	1.0
??HEADUP00H3ACZ?	H3 Dummy	Head Upper Acceleration Z	1.0
??HEADFR00H3ACR?	H3 Dummy	Head Front Acceleration Resultant	1.0
??HEADFR00H3ACX?	H3 Dummy	Head Front Acceleration X	1.0
??HEADFR00H3ACY?	H3 Dummy	Head Front Acceleration Y	1.0
??HEADFR00H3ACZ?	H3 Dummy	Head Front Acceleration Z	1.0
??HEADLE00H3ACR?	H3 Dummy	Head Left Acceleration Resultant	1.0
??HEADLE00H3ACX?	H3 Dummy	Head Left Acceleration X	1.0
??HEADLE00H3ACY?	H3 Dummy	Head Left Acceleration Y	1.0
??HEADLE00H3ACZ?	H3 Dummy	Head Left Acceleration Z	1.0
??HEADRE00H3ACR?	H3 Dummy	Head Rear Acceleration Resultant	1.0
??HEADRE00H3ACX?	H3 Dummy	Head Rear Acceleration X	1.0
??HEADRE00H3ACY?	H3 Dummy	Head Rear Acceleration Y	1.0
??HEADRE00H3ACZ?	H3 Dummy	Head Rear Acceleration Z	1.0
??HEADRI00H3ACR?	H3 Dummy	Head Right Acceleration Resultant	1.0
??HEADRI00H3ACX?	H3 Dummy	Head Right Acceleration X	1.0
??HEADRI00H3ACY?	H3 Dummy	Head Right Acceleration Y	1.0
??HEADRI00H3ACZ?	H3 Dummy	Head Right Acceleration Z	1.0
??HEADPR00H3ANX?	H3 Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6
??HEADPR00H3ANY?	H3 Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6
??NECKUP00H3FOX?	H3 Dummy	Neck Upper Force X	1.0
??NECKUP00H3FOY?	H3 Dummy	Neck Upper Force Y	1.0
??NECKUP00H3FOZ?	H3 Dummy	Neck Upper Force Z	1.0
??NECKUP00H3LE0?	H3 Dummy	Neck Upper Lever Arm	1.0
??NECKUP00H3MOX?	H3 Dummy	Neck Upper Moment X	1.0
??NECKUP00H3MOY?	H3 Dummy	Neck Upper Moment Y	1.0
??NECKUP00H3MOZ?	H3 Dummy	Neck Upper Moment Z	1.0
??NECKUPCEH3000?	H3 Dummy	Neck Upper Compression Extension	1.0
??NECKUPCFH3000?	H3 Dummy	Neck Upper Compression Flexion	1.0
??NECKUPDNH3FOX?	H3 Dummy	Neck Upper Duration of Loading Negative X	1.0
??NECKUPDNH3FOZ?	H3 Dummy	Neck Upper Duration of Loading Negative Z	1.0
??NECKUPDPH3FOX?	H3 Dummy	Neck Upper Duration of Loading Positive X	1.0
??NECKUPDPH3FOZ?	H3 Dummy	Neck Upper Duration of Loading Positive Z	1.0
??NECKUPTEH3000?	H3 Dummy	Neck Upper Tension Extension	1.0
??NECKUPTFH3000?	H3 Dummy	Neck Upper Tension Flexion	1.0
??NECKUPTOH3MOX?	H3 Dummy	Neck Upper Total Moment X	1.0
??NECKUPTOH3MOY?	H3 Dummy	Neck Upper Total Moment Y	1.0
??NECKLO00H3FOX?	H3 Dummy	Neck Lower Force X	1.0
??NECKLO00H3FOY?	H3 Dummy	Neck Lower Force Y	1.0
??NECKLO00H3FOZ?	H3 Dummy	Neck Lower Force Z	1.0

## Possible Channels

## H3 Dummy

Code	Description	Remarks	Valid since Version
??NECKLO00H3LEX?	H3 Dummy	Neck Lower Lever Arm X	1.0
??NECKLO00H3LEZ?	H3 Dummy	Neck Lower Lever Arm Z	1.0
??NECKLO00H3MOX?	H3 Dummy	Neck Lower Moment X	1.0
??NECKLO00H3MOY?	H3 Dummy	Neck Lower Moment Y	1.0
??NECKLO00H3MOZ?	H3 Dummy	Neck Lower Moment Z	1.0
??NECKLOTOH3MOX?	H3 Dummy	Neck Lower Total Moment X	1.0
??NECKLOTOH3MOY?	H3 Dummy	Neck Lower Total Moment Y	1.0
??NECKLOTOH3MOZ?	H3 Dummy	Neck Lower Total Moment Z	1.0
??CLAVLE00H3FOX?	H3 Dummy	Clavicle Left Force X	1.0
??CLAVLE00H3FOZ?	H3 Dummy	Clavicle Left Force Z	1.0
??CLAVRI00H3FOX?	H3 Dummy	Clavicle Right Force X	1.0
??CLAVRI00H3FOZ?	H3 Dummy	Clavicle Right Force Z	1.0
??UPARLELOH3FOX?	H3 Dummy	Upper Arm Left Lower Force X	1.1
??UPARLELOH3FOY?	H3 Dummy	Upper Arm Left Lower Force Y	1.1
??UPARLELOH3MOX?	H3 Dummy	Upper Arm Left Lower Moment X	1.1
??UPARLELOH3MOY?	H3 Dummy	Upper Arm Left Lower Moment Y	1.1
??UPARLEUPH3FOX?	H3 Dummy	Upper Arm Left Upper Force X	1.1
??UPARLEUPH3FOY?	H3 Dummy	Upper Arm Left Upper Force Y	1.1
??UPARLEUPH3MOX?	H3 Dummy	Upper Arm Left Upper Moment X	1.1
??UPARLEUPH3MOY?	H3 Dummy	Upper Arm Left Upper Moment Y	1.1
??UPARRILOH3FOX?	H3 Dummy	Upper Arm Right Lower Force X	1.1
??UPARRILOH3FOY?	H3 Dummy	Upper Arm Right Lower Force Y	1.1
??UPARRILOH3MOX?	H3 Dummy	Upper Arm Right Lower Moment X	1.1
??UPARRILOH3MOY?	H3 Dummy	Upper Arm Right Lower Moment Y	1.1
??UPARRIUPH3FOX?	H3 Dummy	Upper Arm Right Upper Force X	1.1
??UPARRIUPH3FOY?	H3 Dummy	Upper Arm Right Upper Force Y	1.1
??UPARRIUPH3MOX?	H3 Dummy	Upper Arm Right Upper Moment X	1.1
??UPARRIUPH3MOY?	H3 Dummy	Upper Arm Right Upper Moment Y	1.1
??RIBS0000H3LE0?	H3 Dummy	Rib Force Lever Arm	1.0
??RIBSLE01H3FOX?	H3 Dummy	Rib Left 01 Force X	1.0
??RIBSLE02H3FOX?	H3 Dummy	Rib Left 02 Force X	1.0
??RIBSLE03H3FOX?	H3 Dummy	Rib Left 03 Force X	1.0
??RIBSLE04H3FOX?	H3 Dummy	Rib Left 04 Force X	1.0
??RIBSLE05H3FOX?	H3 Dummy	Rib Left 05 Force X	1.0
??RIBSLE06H3FOX?	H3 Dummy	Rib Left 06 Force X	1.0
??RIBSRI01H3FOX?	H3 Dummy	Rib Right 01 Force X	1.0
??RIBSRI02H3FOX?	H3 Dummy	Rib Right 02 Force X	1.0
??RIBSRI03H3FOX?	H3 Dummy	Rib Right 03 Force X	1.0
??RIBSRI04H3FOX?	H3 Dummy	Rib Right 04 Force X	1.0
??RIBSRI05H3FOX?	H3 Dummy	Rib Right 05 Force X	1.0
??RIBSRI06H3FOX?	H3 Dummy	Rib Right 06 Force X	1.0
??RIBS0100H3FOX?	H3 Dummy	Rib 1 Force X	1.6
??RIBS0100H3FOY?	H3 Dummy	Rib 1 Force Y	1.6
??RIBS0100H3FOZ?	H3 Dummy	Rib 1 Force Z	1.6
??RIBS0100H3MOY?	H3 Dummy	Rib 1 Moment Y	1.6
??RIBS0100H3MOZ?	H3 Dummy	Rib 01 Moment Z	calculated from rib force X 1.0
??RIBS0200H3FOX?	H3 Dummy	Rib 2 Force X	1.6
??RIBS0200H3FOY?	H3 Dummy	Rib 2 Force Y	1.6
??RIBS0200H3FOZ?	H3 Dummy	Rib 2 Force Z	1.6
??RIBS0200H3MOY?	H3 Dummy	Rib 2 Moment Y	1.6

## Possible Channels

## H3 Dummy

Code	Description	Remarks	Valid since Version
??RIBS0200H3MOZ?	H3 Dummy Rib 02 Moment Z	calculated from rib force X	1.0
??RIBS0300H3FOX?	H3 Dummy Rib 3 Force X		1.6
??RIBS0300H3FOY?	H3 Dummy Rib 3 Force Y		1.6
??RIBS0300H3FOZ?	H3 Dummy Rib 3 Force Z		1.6
??RIBS0300H3MOY?	H3 Dummy Rib 3 Moment Y		1.6
??RIBS0300H3MOZ?	H3 Dummy Rib 03 Moment Z	calculated from rib force X	1.0
??RIBS0400H3FOX?	H3 Dummy Rib 4 Force X		1.6
??RIBS0400H3FOY?	H3 Dummy Rib 4 Force Y		1.6
??RIBS0400H3FOZ?	H3 Dummy Rib 4 Force Z		1.6
??RIBS0400H3MOY?	H3 Dummy Rib 4 Moment Y		1.6
??RIBS0400H3MOZ?	H3 Dummy Rib 04 Moment Z	calculated from rib force X	1.0
??RIBS0500H3FOX?	H3 Dummy Rib 5 Force X		1.6
??RIBS0500H3FOY?	H3 Dummy Rib 5 Force Y		1.6
??RIBS0500H3FOZ?	H3 Dummy Rib 5 Force Z		1.6
??RIBS0500H3MOY?	H3 Dummy Rib 5 Moment Y		1.6
??RIBS0500H3MOZ?	H3 Dummy Rib 05 Moment Z	calculated from rib force X	1.0
??RIBS0600H3FOX?	H3 Dummy Rib 6 Force X		1.6
??RIBS0600H3FOY?	H3 Dummy Rib 6 Force Y		1.6
??RIBS0600H3FOZ?	H3 Dummy Rib 6 Force Z		1.6
??RIBS0600H3MOY?	H3 Dummy Rib 6 Moment Y		1.6
??RIBS0600H3MOZ?	H3 Dummy Rib 06 Moment Z	calculated from rib force X	1.0
??THSP0000H3FOX?	H3 Dummy Thoracic Spine Force X		1.0
??THSP0000H3FOY?	H3 Dummy Thoracic Spine Force Y		1.0
??THSP0000H3FOZ?	H3 Dummy Thoracic Spine Force Z		1.0
??THSP0000H3MOX?	H3 Dummy Thoracic Spine Moment X		1.0
??THSP0000H3MOY?	H3 Dummy Thoracic Spine Moment Y		1.0
??THSP0000H3TE0?	H3 Dummy Thoracic Spine Temperature		1.6
??THSPPR00H3ANX?	H3 Dummy Thoracic Spine Angle X	quasi-static measurement for dummy positioning	1.6
??THSPPR00H3ANY?	H3 Dummy Thoracic Spine Angle Y	quasi-static measurement for dummy positioning	1.6
??CHST0000H3ACR?	H3 Dummy Chest Acceleration Resultant		1.0
??CHST0000H3ACX?	H3 Dummy Chest Acceleration X		1.0
??CHST0000H3ACY?	H3 Dummy Chest Acceleration Y		1.0
??CHST0000H3ACZ?	H3 Dummy Chest Acceleration Z		1.0
??CHST0000H3AVX?	H3 Dummy Chest Angular Velocity X		1.6
??CHST0000H3AVY?	H3 Dummy Chest Angular Velocity Y		1.6
??CHST0000H3AVZ?	H3 Dummy Chest Angular Velocity Z		1.6
??CHST0000H3DSX?	H3 Dummy Chest Displacement X	Filter Class related to ECE and FMVSS	1.0
??CHST0000H3VEX?	H3 Dummy Chest Velocity X		1.0
??CHST0003H3DSX?	H3 Dummy Chest Displacement X (cubic Polynom)		1.6
??LUSP0000H3FOX?	H3 Dummy Lumbar Spine Force X		1.0
??LUSP0000H3FOY?	H3 Dummy Lumbar Spine Force Y		1.6
??LUSP0000H3FOZ?	H3 Dummy Lumbar Spine Force Z		1.0
??LUSP0000H3MOX?	H3 Dummy Lumbar Spine Moment X		1.6
??LUSP0000H3MOY?	H3 Dummy Lumbar Spine Moment Y		1.0
??LUSP0000H3MOZ?	H3 Dummy Lumbar Spine Moment Z		1.6
??PELV0000H3ACR?	H3 Dummy Pelvis Acceleration Resultant		1.0
??PELV0000H3ACX?	H3 Dummy Pelvis Acceleration X		1.0
??PELV0000H3ACY?	H3 Dummy Pelvis Acceleration Y		1.0

## Possible Channels

## H3 Dummy

Code	Description	Remarks	Valid since Version
??PELV0000H3ACZ?	H3 Dummy	Pelvis Acceleration Z	1.0
??PELV0000H3AVX?	H3 Dummy	Pelvis Angular Velocity X	1.6
??PELV0000H3AVY?	H3 Dummy	Pelvis Angular Velocity Y	1.6
??PELV0000H3AVZ?	H3 Dummy	Pelvis Angular Velocity Z	1.6
??PELVPR00H3ANX?	H3 Dummy	Pelvis Angle X	1.6
??PELVPR00H3ANY?	H3 Dummy	Pelvis Angle Y	1.6
??FEMRLE00H3FOX?	H3 Dummy	Femur Left Force X	1.0
??FEMRLE00H3FOY?	H3 Dummy	Femur Left Force Y	1.0
??FEMRLE00H3FOZ?	H3 Dummy	Femur Left Force Z	1.0
??FEMRLE00H3MOX?	H3 Dummy	Femur Left Moment X	1.0
??FEMRLE00H3MOY?	H3 Dummy	Femur Left Moment Y	1.0
??FEMRLE00H3MOZ?	H3 Dummy	Femur Left Moment Z	1.0
??FEMRLEDUH3FOZ?	H3 Dummy	Femur Left Duration Force Z	1.0
??FEMRLEUPH3ACR?	H3 Dummy	Femur Left Upper Acceleration Resultant	1.0
??FEMRLEUPH3ACX?	H3 Dummy	Femur Left Upper Acceleration X	1.0
??FEMRLEUPH3ACY?	H3 Dummy	Femur Left Upper Acceleration Y	1.0
??FEMRLEUPH3ACZ?	H3 Dummy	Femur Left Upper Acceleration Z	1.0
??FEMRLEUPH3FOX?	H3 Dummy	Femur Left Upper Force X	1.0
??FEMRLEUPH3FOY?	H3 Dummy	Femur Left Upper Force Y	1.0
??FEMRLEUPH3FOZ?	H3 Dummy	Femur Left Upper Force Z	1.0
??FEMRLEUPH3MOX?	H3 Dummy	Femur Left Upper Moment X	1.0
??FEMRLEUPH3MOY?	H3 Dummy	Femur Left Upper Moment Y	1.0
??FEMRLEUPH3MOZ?	H3 Dummy	Femur Left Upper Moment Z	1.0
??FEMRRI00H3FOX?	H3 Dummy	Femur Right Force X	1.0
??FEMRRI00H3FOY?	H3 Dummy	Femur Right Force Y	1.0
??FEMRRI00H3FOZ?	H3 Dummy	Femur Right Force Z	1.0
??FEMRRI00H3MOX?	H3 Dummy	Femur Right Moment X	1.0
??FEMRRI00H3MOY?	H3 Dummy	Femur Right Moment Y	1.0
??FEMRRI00H3MOZ?	H3 Dummy	Femur Right Moment Z	1.0
??FEMRRIDUH3FOZ?	H3 Dummy	Femur Right Duration Force Z	1.0
??FEMRRIUPH3ACR?	H3 Dummy	Femur Right Upper Acceleration Resultant	1.0
??FEMRRIUPH3ACX?	H3 Dummy	Femur Right Upper Acceleration X	1.0
??FEMRRIUPH3ACY?	H3 Dummy	Femur Right Upper Acceleration Y	1.0
??FEMRRIUPH3ACZ?	H3 Dummy	Femur Right Upper Acceleration Z	1.0
??FEMRRIUPH3FOX?	H3 Dummy	Femur Right Upper Force X	1.0
??FEMRRIUPH3FOY?	H3 Dummy	Femur Right Upper Force Y	1.0
??FEMRRIUPH3FOZ?	H3 Dummy	Femur Right Upper Force Z	1.0
??FEMRRIUPH3MOX?	H3 Dummy	Femur Right Upper Moment X	1.0
??FEMRRIUPH3MOY?	H3 Dummy	Femur Right Upper Moment Y	1.0
??FEMRRIUPH3MOZ?	H3 Dummy	Femur Right Upper Moment Z	1.0
??CLEVLEINH3FOZ?	H3 Dummy	Knee Clevis Left Inner Force Z	1.0
??CLEVLEOUH3FOZ?	H3 Dummy	Knee Clevis Left Outer Force Z	1.0
??CLEVRIINH3FOZ?	H3 Dummy	Knee Clevis Right Inner Force Z	1.0
??CLEVRIOUH3FOZ?	H3 Dummy	Knee Clevis Right Outer Force Z	1.0
??KNSLLE00H3DSX?	H3 Dummy	Knee Slider Left Displacement X	1.0
??KNSLRI00H3DSX?	H3 Dummy	Knee Slider Right Displacement X	1.0
??TIRALLFZH300Z?	H3 Dummy	Tibia Ratio Left Lower Force	1.5
??TIRALLMRH300R?	H3 Dummy	Tibia Ratio Left Lower Moment	1.5
??TIRALUFZH300Z?	H3 Dummy	Tibia Ratio Left Upper Force	1.5



## Possible Channels

## H3 Dummy

Code	Description	Remarks	Valid since Version
??TIRALUMRH300R?	H3 Dummy	Tibia Ratio Left Upper Moment	1.5
??TIRARLFZH300Z?	H3 Dummy	Tibia Ratio Right Lower Force	1.5
??TIRARLMRH300R?	H3 Dummy	Tibia Ratio Right Lower Moment	1.5
??TIRARUFZH300Z?	H3 Dummy	Tibia Ratio Right Upper Force	1.5
??TIRARUMRH300R?	H3 Dummy	Tibia Ratio Right Upper Moment	1.5
??TIBILELOH3FOX?	H3 Dummy	Tibia Left Lower Force X	1.0
??TIBILELOH3FOY?	H3 Dummy	Tibia Left Lower Force Y	1.0
??TIBILELOH3FOZ?	H3 Dummy	Tibia Left Lower Force Z	1.0
??TIBILELOH3MOX?	H3 Dummy	Tibia Left Lower Moment X	1.0
??TIBILELOH3MOY?	H3 Dummy	Tibia Left Lower Moment Y	1.0
??TIBILELOH3MOZ?	H3 Dummy	Tibia Left Lower Moment Z	1.6
??TIBILEUPH3FOX?	H3 Dummy	Tibia Left Upper Force X	1.0
??TIBILEUPH3FOY?	H3 Dummy	Tibia Left Upper Force Y	1.6
??TIBILEUPH3FOZ?	H3 Dummy	Tibia Left Upper Force Z	1.0
??TIBILEUPH3MOX?	H3 Dummy	Tibia Left Upper Moment X	1.0
??TIBILEUPH3MOY?	H3 Dummy	Tibia Left Upper Moment Y	1.0
??TIBILEUPH3MOZ?	H3 Dummy	Tibia Left Upper Moment Z	1.6
??TIBIRILOH3FOX?	H3 Dummy	Tibia Right Lower Force X	1.0
??TIBIRILOH3FOY?	H3 Dummy	Tibia Right Lower Force Y	1.0
??TIBIRILOH3FOZ?	H3 Dummy	Tibia Right Lower Force Z	1.0
??TIBIRILOH3MOX?	H3 Dummy	Tibia Right Lower Moment X	1.0
??TIBIRILOH3MOY?	H3 Dummy	Tibia Right Lower Moment Y	1.0
??TIBIRILOH3MOZ?	H3 Dummy	Tibia Right Lower Moment Z	1.6
??TIBIRIUPH3FOX?	H3 Dummy	Tibia Right Upper Force X	1.0
??TIBIRIUPH3FOY?	H3 Dummy	Tibia Right Upper Force Y	1.6
??TIBIRIUPH3FOZ?	H3 Dummy	Tibia Right Upper Force Z	1.0
??TIBIRIUPH3MOX?	H3 Dummy	Tibia Right Upper Moment X	1.0
??TIBIRIUPH3MOY?	H3 Dummy	Tibia Right Upper Moment Y	1.0
??TIBIRIUPH3MOZ?	H3 Dummy	Tibia Right Upper Moment Z	1.6
??FOOTLE00H3ACR?	H3 Dummy	Foot Left Acceleration Resultant	1.0
??FOOTLE00H3ACX?	H3 Dummy	Foot Left Acceleration X	1.0
??FOOTLE00H3ACY?	H3 Dummy	Foot Left Acceleration Y	1.0
??FOOTLE00H3ACZ?	H3 Dummy	Foot Left Acceleration Z	1.0
??FOOTLE00H3FOX?	H3 Dummy	Foot Ankle Left Force X	1.0
??FOOTLE00H3FOY?	H3 Dummy	Foot Ankle Left Force Y	1.0
??FOOTLE00H3FOZ?	H3 Dummy	Foot Ankle Left Force Z	1.0
??FOOTLE00H3MOX?	H3 Dummy	Foot Ankle Left Moment X	1.0
??FOOTLE00H3MOY?	H3 Dummy	Foot Ankle Left Moment Y	1.0
??FOOTRI00H3ACR?	H3 Dummy	Foot Right Acceleration Resultant	1.0
??FOOTRI00H3ACX?	H3 Dummy	Foot Right Acceleration X	1.0
??FOOTRI00H3ACY?	H3 Dummy	Foot Right Acceleration Y	1.0
??FOOTRI00H3ACZ?	H3 Dummy	Foot Right Acceleration Z	1.0
??FOOTRI00H3FOX?	H3 Dummy	Foot Ankle Right Force X	1.0
??FOOTRI00H3FOY?	H3 Dummy	Foot Ankle Right Force Y	1.0
??FOOTRI00H3FOZ?	H3 Dummy	Foot Ankle Right Force Z	1.0
??FOOTRI00H3MOX?	H3 Dummy	Foot Ankle Right Moment X	1.0
??FOOTRI00H3MOY?	H3 Dummy	Foot Ankle Right Moment Y	1.0
??HEELLE00H3ACZ?	H3 Dummy	Heel Left Acceleration Z	1.0
??HEELRI00H3ACZ?	H3 Dummy	Heel Right Acceleration Z	1.0
??TOESLE00H3ACZ?	H3 Dummy	Toe Left Acceleration Z	1.0

## Possible Channels

## H3 Dummy

Code	Description	Remarks	Valid since Version
??TOESLE00H3FOZ?	H3 Dummy	Toe Left Force Z	1.0
??TOESRI00H3ACZ?	H3 Dummy	Toe Right Acceleration Z	1.0
??TOESRI00H3FOZ?	H3 Dummy	Toe Right Force Z	1.0
??SUMALELOH3FOX?	H3 Dummy	Submarining Left Lower Force X	1.0
??SUMALEMIH3FOX?	H3 Dummy	Submarining Left Middle Force X	1.0
??SUMALEUPH3FOX?	H3 Dummy	Submarining Left Upper Force X	1.0
??SUMARILOH3FOX?	H3 Dummy	Submarining Right Lower Force X	1.0
??SUMARIMIH3FOX?	H3 Dummy	Submarining Right Middle Force X	1.0
??SUMARIUPH3FOX?	H3 Dummy	Submarining Right Upper Force X	1.0
??VCCR0000H3VEX?	H3 Dummy	Chest Viscous Criterion	1.6
??TIINLELOH3000?	H3 Dummy	Tibia Index Left Lower	1.0
??TIINLEUPH3000?	H3 Dummy	Tibia Index Left Upper	1.0
??TIINRILOH3000?	H3 Dummy	Tibia Index Right Lower	1.0
??TIINRIUPH3000?	H3 Dummy	Tibia Index Right Upper	1.0

## Possible Channels

## HF Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000HFACR?	HF Dummy	Head Acceleration Resultant	1.0
??HEAD0000HFACX?	HF Dummy	Head Acceleration X	1.0
??HEAD0000HFACY?	HF Dummy	Head Acceleration Y	1.0
??HEAD0000HFACZ?	HF Dummy	Head Acceleration Z	1.0
??HEAD0000HFAVX?	HF Dummy	Head Angular Velocity X	1.6
??HEAD0000HFAVY?	HF Dummy	Head Angular Velocity Y	1.6
??HEAD0000HFAVZ?	HF Dummy	Head Angular Velocity Z	1.6
??HEADUP00HFACR?	HF Dummy	Head Upper Acceleration Resultant	1.6
??HEADUP00HFACX?	HF Dummy	Head Upper Acceleration X	1.6
??HEADUP00HFACY?	HF Dummy	Head Upper Acceleration Y	1.6
??HEADUP00HFACZ?	HF Dummy	Head Upper Acceleration Z	1.6
??HEADFR00HFACR?	HF Dummy	Head Front Acceleration Resultant	1.6
??HEADFR00HFACX?	HF Dummy	Head Front Acceleration X	1.6
??HEADFR00HFACY?	HF Dummy	Head Front Acceleration Y	1.6
??HEADFR00HFACZ?	HF Dummy	Head Front Acceleration Z	1.6
??HEADLE00HFACR?	HF Dummy	Head Left Acceleration Resultant	1.6
??HEADLE00HFACX?	HF Dummy	Head Left Acceleration X	1.6
??HEADLE00HFACY?	HF Dummy	Head Left Acceleration Y	1.6
??HEADLE00HFACZ?	HF Dummy	Head Left Acceleration Z	1.6
??HEADRE00HFACR?	HF Dummy	Head Rear Acceleration Resultant	1.6
??HEADRE00HFACX?	HF Dummy	Head Rear Acceleration X	1.6
??HEADRE00HFACY?	HF Dummy	Head Rear Acceleration Y	1.6
??HEADRE00HFACZ?	HF Dummy	Head Rear Acceleration Z	1.6
??HEADRI00HFACR?	HF Dummy	Head Right Acceleration Resultant	1.6
??HEADRI00HFACX?	HF Dummy	Head Right Acceleration X	1.6
??HEADRI00HFACY?	HF Dummy	Head Right Acceleration Y	1.6
??HEADRI00HFACZ?	HF Dummy	Head Right Acceleration Z	1.6
??HEADPR00HFANX?	HF Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6
??HEADPR00HFANY?	HF Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6
??NECKUP00HFFOX?	HF Dummy	Neck Upper Force X	1.0
??NECKUP00HFFOY?	HF Dummy	Neck Upper Force Y	1.0
??NECKUP00HFFOZ?	HF Dummy	Neck Upper Force Z	1.0
??NECKUP00HFLE0?	HF Dummy	Neck Upper Lever Arm	1.0
??NECKUP00HFMOX?	HF Dummy	Neck Upper Moment X	1.0
??NECKUP00HFMOY?	HF Dummy	Neck Upper Moment Y	1.0
??NECKUP00HFMOZ?	HF Dummy	Neck Upper Moment Z	1.0
??NECKUPCEHF000?	HF Dummy	Neck Upper Compression Extension	1.0
??NECKUPCFHF000?	HF Dummy	Neck Upper Compression Flexion	1.0
??NECKUPDNHFFOX?	HF Dummy	Neck Upper Duration of Loading Negative X	1.0
??NECKUPDNHFFOZ?	HF Dummy	Neck Upper Duration of Loading Negative Z	1.0
??NECKUPDPHFFOX?	HF Dummy	Neck Upper Duration of Loading Positive X	1.0
??NECKUPDPHFFOZ?	HF Dummy	Neck Upper Duration of Loading Positive Z	1.0
??NECKUPTEHF000?	HF Dummy	Neck Upper Tension Extension	1.0
??NECKUPTFHF000?	HF Dummy	Neck Upper Tension Flexion	1.0
??NECKUPTOHFMOX?	HF Dummy	Neck Upper Total Moment X	1.0
??NECKUPTOHFMOY?	HF Dummy	Neck Upper Total Moment Y	1.0
??NECKLO00HFFOX?	HF Dummy	Neck Lower Force X	1.0
??NECKLO00HFFOY?	HF Dummy	Neck Lower Force Y	1.0
??NECKLO00HFFOZ?	HF Dummy	Neck Lower Force Z	1.0

## Possible Channels

## HF Dummy

Code	Description	Remarks	Valid since Version
??NECKLO00HFLEX?	HF Dummy	Neck Lower Lever Arm X	1.0
??NECKLO00HFLEZ?	HF Dummy	Neck Lower Lever Arm Z	1.0
??NECKLO00HFMOX?	HF Dummy	Neck Lower Moment X	1.0
??NECKLO00HFMOY?	HF Dummy	Neck Lower Moment Y	1.0
??NECKLO00HFMOZ?	HF Dummy	Neck Lower Moment Z	1.0
??NECKLOTOHFMOX?	HF Dummy	Neck Lower Total Moment X	1.0
??NECKLOTOHFMOY?	HF Dummy	Neck Lower Total Moment Y	1.0
??NECKLOTOHFMOZ?	HF Dummy	Neck Lower Total Moment Z	1.0
??CLAVLE00HFFOX?	HF Dummy	Clavicle Left Force X	1.6
??CLAVLE00HFFOZ?	HF Dummy	Clavicle Left Force Z	1.6
??CLAVRI00HFFOX?	HF Dummy	Clavicle Right Force X	1.6
??CLAVRI00HFFOZ?	HF Dummy	Clavicle Right Force Z	1.6
??UPARLE00HFFOX?	HF Dummy	Upper Arm Left Force X	1.1
??UPARLE00HFFOY?	HF Dummy	Upper Arm Left Force Y	1.1
??UPARLE00HFFOZ?	HF Dummy	Upper Arm Left Force Z	1.1
??UPARLE00HFMOX?	HF Dummy	Upper Arm Left Moment X	1.1
??UPARLE00HFMOY?	HF Dummy	Upper Arm Left Moment Y	1.1
??UPARLE00HFMOZ?	HF Dummy	Upper Arm Left Moment Z	1.1
??UPARLELOHFACR?	HF Dummy	Upper Arm Left Lower Acceleration Resultant	1.1
??UPARLELOHFACX?	HF Dummy	Upper Arm Left Lower Acceleration X	1.1
??UPARLELOHFACY?	HF Dummy	Upper Arm Left Lower Acceleration Y	1.1
??UPARLELOHFACZ?	HF Dummy	Upper Arm Left Lower Acceleration Z	1.1
??UPARRI00HFFOX?	HF Dummy	Upper Arm Right Force X	1.1
??UPARRI00HFFOY?	HF Dummy	Upper Arm Right Force Y	1.1
??UPARRI00HFFOZ?	HF Dummy	Upper Arm Right Force Z	1.1
??UPARRI00HFMOX?	HF Dummy	Upper Arm Right Moment X	1.1
??UPARRI00HFMOY?	HF Dummy	Upper Arm Right Moment Y	1.1
??UPARRI00HFMOZ?	HF Dummy	Upper Arm Right Moment Z	1.1
??UPARRILOHFACR?	HF Dummy	Upper Arm Right Lower Acceleration Resultant	1.1
??UPARRILOHFACX?	HF Dummy	Upper Arm Right Lower Acceleration X	1.1
??UPARRILOHFACY?	HF Dummy	Upper Arm Right Lower Acceleration Y	1.1
??UPARRILOHFACZ?	HF Dummy	Upper Arm Right Lower Acceleration Z	1.1
??ELBJLE00HFANZ?	HF Dummy	Elbow Joint Left Angle Z	1.0
??ELBJLE00HFMOX?	HF Dummy	Elbow Joint Left Moment X	1.0
??ELBJLE00HFMOY?	HF Dummy	Elbow Joint Left Moment Y	1.0
??ELBJRI00HFANZ?	HF Dummy	Elbow Joint Right Angle Z	1.0
??ELBJRI00HFMOX?	HF Dummy	Elbow Joint Right Moment X	1.0
??ELBJRI00HFMOY?	HF Dummy	Elbow Joint Right Moment Y	1.0
??FOARLE00HFFOX?	HF Dummy	Forearm Left Force X	1.1
??FOARLE00HFFOY?	HF Dummy	Forearm Left Force Y	1.1
??FOARLE00HFFOZ?	HF Dummy	Forearm Left Force Z	1.1
??FOARLE00HFMOX?	HF Dummy	Forearm Left Moment X	1.1
??FOARLE00HFMOY?	HF Dummy	Forearm Left Moment Y	1.1
??FOARLE00HFMOZ?	HF Dummy	Forearm Left Moment Z	1.1
??FOARLELOHFACR?	HF Dummy	Forearm Left Lower Acceleration Resultant	1.1
??FOARLELOHFACX?	HF Dummy	Forearm Left Lower Acceleration X	1.1
??FOARLELOHFACY?	HF Dummy	Forearm Left Lower Acceleration Y	1.1
??FOARLELOHFACZ?	HF Dummy	Forearm Left Lower Acceleration Z	1.1
??FOARRI00HFFOX?	HF Dummy	Forearm Right Force X	1.1

## Possible Channels

## HF Dummy

Code	Description	Remarks	Valid since Version
??FOARRI00HFFOY?	HF Dummy	Forearm Right Force Y	1.1
??FOARRI00HFFOZ?	HF Dummy	Forearm Right Force Z	1.1
??FOARRI00HFMOX?	HF Dummy	Forearm Right Moment X	1.1
??FOARRI00HFMOY?	HF Dummy	Forearm Right Moment Y	1.1
??FOARRI00HFMOZ?	HF Dummy	Forearm Right Moment Z	1.1
??FOARRILOHFACR?	HF Dummy	Forearm Right Lower Acceleration Resultant	1.1
??FOARRILOHFACX?	HF Dummy	Forearm Right Lower Acceleration X	1.1
??FOARRILOHFACY?	HF Dummy	Forearm Right Lower Acceleration Y	1.1
??FOARRILOHFACZ?	HF Dummy	Forearm Right Lower Acceleration Z	1.1
??WRISLE00HFANY?	HF Dummy	Wrist Joint Left Angle Y	1.6
??WRISRI00HFANY?	HF Dummy	Wrist Joint Right Angle Y	1.6
??RIBS0000HFLE0?	HF Dummy	Rib Force Lever Arm	1.6
??RIBSLE01HFFOX?	HF Dummy	Rib Left 01 Force X	1.5
??RIBSLE02HFFOX?	HF Dummy	Rib Left 02 Force X	1.5
??RIBSLE03HFFOX?	HF Dummy	Rib Left 03 Force X	1.5
??RIBSLE04HFFOX?	HF Dummy	Rib Left 04 Force X	1.5
??RIBSLE05HFFOX?	HF Dummy	Rib Left 05 Force X	1.5
??RIBSLE06HFFOX?	HF Dummy	Rib Left 06 Force X	1.5
??RIBSRI01HFFOX?	HF Dummy	Rib Right 01 Force X	1.5
??RIBSRI02HFFOX?	HF Dummy	Rib Right 02 Force X	1.5
??RIBSRI03HFFOX?	HF Dummy	Rib Right 03 Force X	1.5
??RIBSRI04HFFOX?	HF Dummy	Rib Right 04 Force X	1.5
??RIBSRI05HFFOX?	HF Dummy	Rib Right 05 Force X	1.5
??RIBSRI06HFFOX?	HF Dummy	Rib Right 06 Force X	1.5
??RIBS0100HFFOX?	HF Dummy	Rib 1 Force X	1.6
??RIBS0100HFFOY?	HF Dummy	Rib 1 Force Y	1.6
??RIBS0100HFFOZ?	HF Dummy	Rib 1 Force Z	1.6
??RIBS0100HFMOY?	HF Dummy	Rib 1 Moment Y	1.6
??RIBS0100HFMOZ?	HF Dummy	Rib 01 Moment Z	calculated from rib force X 1.6
??RIBS0200HFFOX?	HF Dummy	Rib 2 Force X	1.6
??RIBS0200HFFOY?	HF Dummy	Rib 2 Force Y	1.6
??RIBS0200HFFOZ?	HF Dummy	Rib 2 Force Z	1.6
??RIBS0200HFMOY?	HF Dummy	Rib 2 Moment Y	1.6
??RIBS0200HFMOZ?	HF Dummy	Rib 02 Moment Z	calculated from rib force X 1.6
??RIBS0300HFFOX?	HF Dummy	Rib 3 Force X	1.6
??RIBS0300HFFOY?	HF Dummy	Rib 3 Force Y	1.6
??RIBS0300HFFOZ?	HF Dummy	Rib 3 Force Z	1.6
??RIBS0300HFMOY?	HF Dummy	Rib 3 Moment Y	1.6
??RIBS0300HFMOZ?	HF Dummy	Rib 03 Moment Z	calculated from rib force X 1.6
??RIBS0400HFFOX?	HF Dummy	Rib 4 Force X	1.6
??RIBS0400HFFOY?	HF Dummy	Rib 4 Force Y	1.6
??RIBS0400HFFOZ?	HF Dummy	Rib 4 Force Z	1.6
??RIBS0400HFMOY?	HF Dummy	Rib 4 Moment Y	1.6
??RIBS0400HFMOZ?	HF Dummy	Rib 04 Moment Z	calculated from rib force X 1.6
??RIBS0500HFFOX?	HF Dummy	Rib 5 Force X	1.6
??RIBS0500HFFOY?	HF Dummy	Rib 5 Force Y	1.6
??RIBS0500HFFOZ?	HF Dummy	Rib 5 Force Z	1.6
??RIBS0500HFMOY?	HF Dummy	Rib 5 Moment Y	1.6
??RIBS0500HFMOZ?	HF Dummy	Rib 05 Moment Z	calculated from rib force X 1.6
??RIBS0600HFFOX?	HF Dummy	Rib 6 Force X	1.6

## Possible Channels

## HF Dummy

Code	Description	Remarks	Valid since Version
??RIBS0600HFFOY?	HF Dummy	Rib 6 Force Y	1.6
??RIBS0600HFFOZ?	HF Dummy	Rib 6 Force Z	1.6
??RIBS0600HFMOY?	HF Dummy	Rib 6 Moment Y	1.6
??RIBS0600HFMOZ?	HF Dummy	Rib 06 Moment Z	calculated from rib force X 1.6
??THSP0000HFFOX?	HF Dummy	Thoracic Spine Force X	1.0
??THSP0000HFFOY?	HF Dummy	Thoracic Spine Force Y	1.0
??THSP0000HFFOZ?	HF Dummy	Thoracic Spine Force Z	1.0
??THSP0000HFMOX?	HF Dummy	Thoracic Spine Moment X	1.0
??THSP0000HFMOY?	HF Dummy	Thoracic Spine Moment Y	1.0
??THSP0000HFTE0?	HF Dummy	Thoracic Spine Temperature	1.6
??THSPUP00HFACX?	HF Dummy	Thoracic Spine Upper Acceleration X	1.0
??THSPLO00HFACX?	HF Dummy	Thoracic Spine Lower Acceleration X	1.0
??THSPMI00HFACX?	HF Dummy	Thoracic Spine Middle Acceleration X	1.0
??THSPPR00HFANX?	HF Dummy	Thoracic Spine Angle X	quasi-static measurement for dummy positioning 1.6
??THSPPR00HFANY?	HF Dummy	Thoracic Spine Angle Y	quasi-static measurement for dummy positioning 1.6
??CHST0000HFACR?	HF Dummy	Chest Acceleration Resultant	1.0
??CHST0000HFACX?	HF Dummy	Chest Acceleration X	1.0
??CHST0000HFACY?	HF Dummy	Chest Acceleration Y	1.0
??CHST0000HFACZ?	HF Dummy	Chest Acceleration Z	1.0
??CHST0000HFAVX?	HF Dummy	Chest Angular Velocity X	1.6
??CHST0000HFAVY?	HF Dummy	Chest Angular Velocity Y	1.6
??CHST0000HFAVZ?	HF Dummy	Chest Angular Velocity Z	1.6
??CHST0000HFDSX?	HF Dummy	Chest Displacement X	Filter Class related to ECE and FMVSS 1.0
??CHST0000HFVEX?	HF Dummy	Chest Velocity X	1.0
??CHST0003HFDSX?	HF Dummy	Chest Displacement X (cubic Polynom)	1.6
??STRNUP00HFACX?	HF Dummy	Sternum Upper Acceleration X	1.0
??STRNLO00HFACX?	HF Dummy	Sternum Lower Acceleration X	1.0
??STRNMI00HFACX?	HF Dummy	Sternum Middle Acceleration X	1.0
??LUSP0000HFFOX?	HF Dummy	Lumbar Spine Force X	1.0
??LUSP0000HFFOY?	HF Dummy	Lumbar Spine Force Y	1.0
??LUSP0000HFFOZ?	HF Dummy	Lumbar Spine Force Z	1.0
??LUSP0000HFMOX?	HF Dummy	Lumbar Spine Moment X	1.0
??LUSP0000HFMOY?	HF Dummy	Lumbar Spine Moment Y	1.0
??LUSP0000HFMOZ?	HF Dummy	Lumbar Spine Moment Z	1.6
??PELV0000HFACR?	HF Dummy	Pelvis Acceleration Resultant	1.0
??PELV0000HFACX?	HF Dummy	Pelvis Acceleration X	1.0
??PELV0000HFACY?	HF Dummy	Pelvis Acceleration Y	1.0
??PELV0000HFACZ?	HF Dummy	Pelvis Acceleration Z	1.0
??PELV0000HFAVX?	HF Dummy	Pelvis Angular Velocity X	1.6
??PELV0000HFAVY?	HF Dummy	Pelvis Angular Velocity Y	1.6
??PELV0000HFAVZ?	HF Dummy	Pelvis Angular Velocity Z	1.6
??PELVPR00HFANX?	HF Dummy	Pelvis Angle X	quasi-static measurement for dummy positioning 1.6
??PELVPR00HFANY?	HF Dummy	Pelvis Angle Y	quasi-static measurement for dummy positioning 1.6
??ILACLE00HFFOX?	HF Dummy	Iliac Spine Left Force X	1.0
??ILACLE00HFMOY?	HF Dummy	Iliac Spine Left Moment Y	1.0
??ILACRI00HFFOX?	HF Dummy	Iliac Spine Right Force X	1.0
??ILACRI00HFMOY?	HF Dummy	Iliac Spine Right Moment Y	1.0

## Possible Channels

## HF Dummy

Code	Description	Remarks	Valid since Version
??FEMRLE00HFFOX?	HF Dummy	Femur Left Force X	1.0
??FEMRLE00HFFOY?	HF Dummy	Femur Left Force Y	1.0
??FEMRLE00HFFOZ?	HF Dummy	Femur Left Force Z	1.0
??FEMRLE00HFMOX?	HF Dummy	Femur Left Moment X	1.0
??FEMRLE00HFMOY?	HF Dummy	Femur Left Moment Y	1.0
??FEMRLE00HFMOZ?	HF Dummy	Femur Left Moment Z	1.0
??FEMRLEDUHFFOZ?	HF Dummy	Femur Left Duration Force Z	1.0
??FEMRLEUPHFACR?	HF Dummy	Femur Left Upper Acceleration Resultant	1.0
??FEMRLEUPHFACX?	HF Dummy	Femur Left Upper Acceleration X	1.0
??FEMRLEUPHFACY?	HF Dummy	Femur Left Upper Acceleration Y	1.0
??FEMRLEUPHFACZ?	HF Dummy	Femur Left Upper Acceleration Z	1.0
??FEMRLEUPHFFOX?	HF Dummy	Femur Left Upper Force X	1.0
??FEMRLEUPHFFOY?	HF Dummy	Femur Left Upper Force Y	1.0
??FEMRLEUPHFFOZ?	HF Dummy	Femur Left Upper Force Z	1.0
??FEMRLEUPHFMOX?	HF Dummy	Femur Left Upper Moment X	1.0
??FEMRLEUPHFMOY?	HF Dummy	Femur Left Upper Moment Y	1.0
??FEMRLEUPHFMOZ?	HF Dummy	Femur Left Upper Moment Z	1.0
??FEMRRI00HFFOX?	HF Dummy	Femur Right Force X	1.0
??FEMRRI00HFFOY?	HF Dummy	Femur Right Force Y	1.0
??FEMRRI00HFFOZ?	HF Dummy	Femur Right Force Z	1.0
??FEMRRI00HFMOX?	HF Dummy	Femur Right Moment X	1.0
??FEMRRI00HFMOY?	HF Dummy	Femur Right Moment Y	1.0
??FEMRRI00HFMOZ?	HF Dummy	Femur Right Moment Z	1.0
??FEMRRIDUHFFOZ?	HF Dummy	Femur Right Duration Force Z	1.0
??FEMRRIUPHFACR?	HF Dummy	Femur Right Upper Acceleration Resultant	1.0
??FEMRRIUPHFACX?	HF Dummy	Femur Right Upper Acceleration X	1.0
??FEMRRIUPHFACY?	HF Dummy	Femur Right Upper Acceleration Y	1.0
??FEMRRIUPHFACZ?	HF Dummy	Femur Right Upper Acceleration Z	1.0
??FEMRRIUPHFFOX?	HF Dummy	Femur Right Upper Force X	1.0
??FEMRRIUPHFFOY?	HF Dummy	Femur Right Upper Force Y	1.0
??FEMRRIUPHFFOZ?	HF Dummy	Femur Right Upper Force Z	1.0
??FEMRRIUPHFMOX?	HF Dummy	Femur Right Upper Moment X	1.0
??FEMRRIUPHFMOY?	HF Dummy	Femur Right Upper Moment Y	1.0
??FEMRRIUPHFMOZ?	HF Dummy	Femur Right Upper Moment Z	1.0
??CLEVLEINHFFOZ?	HF Dummy	Knee Clevis Left Inner Force Z	1.0
??CLEVLEOUHFFOZ?	HF Dummy	Knee Clevis Left Outer Force Z	1.2
??CLEVRIINHFFOZ?	HF Dummy	Knee Clevis Right Inner Force Z	1.0
??CLEVRIOUHFFOZ?	HF Dummy	Knee Clevis Right Outer Force Z	1.0
??KNSLLE00HFDSX?	HF Dummy	Knee Slider Left Displacement X	1.0
??KNSLRI00HFDSX?	HF Dummy	Knee Slider Right Displacement X	1.0
??TIRALLFZHF00Z?	HF Dummy	Tibia Ratio Force Left Lower	1.5
??TIRALLMRHF00R?	HF Dummy	Tibia Ratio Moment Left Lower	1.5
??TIRALUFZHF00Z?	HF Dummy	Tibia Ratio Force Left Upper	1.5
??TIRALUMRHF00R?	HF Dummy	Tibia Ratio Moment Left Upper	1.5
??TIRARLFZHF00Z?	HF Dummy	Tibia Ratio Right Lower Force	1.5
??TIRARLMRHF00R?	HF Dummy	Tibia Ratio Right Lower Moment	1.5
??TIRARUFZHF00Z?	HF Dummy	Tibia Ratio Right Upper Force	1.5
??TIRARUMRHF00R?	HF Dummy	Tibia Ratio Right Upper Moment	1.5
??TIBILELOHFFOX?	HF Dummy	Tibia Left Lower Force X	1.0
??TIBILELOHFFOY?	HF Dummy	Tibia Left Lower Force Y	1.0

## Possible Channels

## HF Dummy

Code	Description	Remarks	Valid since Version
??TIBILELOHFFOZ?	HF Dummy	Tibia Left Lower Force Z	1.0
??TIBILELOHFMOX?	HF Dummy	Tibia Left Lower Moment X	1.0
??TIBILELOHFMOY?	HF Dummy	Tibia Left Lower Moment Y	1.0
??TIBILELOHFMOZ?	HF Dummy	Tibia Left Lower Moment Z	1.6
??TIBILEUPHFFOX?	HF Dummy	Tibia Left Upper Force X	1.0
??TIBILEUPHFFOY?	HF Dummy	Tibia Left Upper Force Y	1.6
??TIBILEUPHFFOZ?	HF Dummy	Tibia Left Upper Force Z	1.0
??TIBILEUPHFMOX?	HF Dummy	Tibia Left Upper Moment X	1.0
??TIBILEUPHFMOY?	HF Dummy	Tibia Left Upper Moment Y	1.0
??TIBILEUPHFMOZ?	HF Dummy	Tibia Left Upper Moment Z	1.6
??TIBIRILOHFFOX?	HF Dummy	Tibia Right Lower Force X	1.0
??TIBIRILOHFFOY?	HF Dummy	Tibia Right Lower Force Y	1.0
??TIBIRILOHFFOZ?	HF Dummy	Tibia Right Lower Force Z	1.0
??TIBIRILOHFMOX?	HF Dummy	Tibia Right Lower Moment X	1.0
??TIBIRILOHFMOY?	HF Dummy	Tibia Right Lower Moment Y	1.0
??TIBIRILOHFMOZ?	HF Dummy	Tibia Right Lower Moment Z	1.6
??TIBIRIUPHFFOX?	HF Dummy	Tibia Right Upper Force X	1.0
??TIBIRIUPHFFOY?	HF Dummy	Tibia Right Upper Force Y	1.6
??TIBIRIUPHFFOZ?	HF Dummy	Tibia Right Upper Force Z	1.0
??TIBIRIUPHFMOX?	HF Dummy	Tibia Right Upper Moment X	1.0
??TIBIRIUPHFMOY?	HF Dummy	Tibia Right Upper Moment Y	1.0
??TIBIRIUPHFMOZ?	HF Dummy	Tibia Right Upper Moment Z	1.6
??FOOTLE00HFACR?	HF Dummy	Foot Left Acceleration Resultant	1.0
??FOOTLE00HFACX?	HF Dummy	Foot Left Acceleration X	1.0
??FOOTLE00HFACY?	HF Dummy	Foot Left Acceleration Y	1.0
??FOOTLE00HFACZ?	HF Dummy	Foot Left Acceleration Z	1.0
??FOOTLE00HFFOX?	HF Dummy	Foot Ankle Left Force X	1.0
??FOOTLE00HFFOY?	HF Dummy	Foot Ankle Left Force Y	1.0
??FOOTLE00HFFOZ?	HF Dummy	Foot Ankle Left Force Z	1.0
??FOOTLE00HFMOX?	HF Dummy	Foot Ankle Left Moment X	1.0
??FOOTLE00HFMOY?	HF Dummy	Foot Ankle Left Moment Y	1.0
??FOOTRI00HFACR?	HF Dummy	Foot Right Acceleration Resultant	1.0
??FOOTRI00HFACX?	HF Dummy	Foot Right Acceleration X	1.0
??FOOTRI00HFACY?	HF Dummy	Foot Right Acceleration Y	1.0
??FOOTRI00HFACZ?	HF Dummy	Foot Right Acceleration Z	1.0
??FOOTRI00HFFOX?	HF Dummy	Foot Ankle Right Force X	1.0
??FOOTRI00HFFOY?	HF Dummy	Foot Ankle Right Force Y	1.0
??FOOTRI00HFFOZ?	HF Dummy	Foot Ankle Right Force Z	1.0
??FOOTRI00HFMOX?	HF Dummy	Foot Ankle Right Moment X	1.0
??FOOTRI00HFMOY?	HF Dummy	Foot Ankle Right Moment Y	1.0
??HEELLE00HFACZ?	HF Dummy	Heel Left Acceleration Z	1.0
??HEELRI00HFACZ?	HF Dummy	Heel Right Acceleration Z	1.0
??TOESLE00HFACZ?	HF Dummy	Toe Left Acceleration Z	1.0
??TOESLE00HFFOZ?	HF Dummy	Toe Left Force Z	1.0
??TOESRI00HFACZ?	HF Dummy	Toe Right Acceleration Z	1.0
??TOESRI00HFFOZ?	HF Dummy	Toe Right Force Z	1.0
??SUMALELOHFFOX?	HF Dummy	Submarining Left Lower Force X	1.0
		just to be used with "Load Bold" design; use ILAC for other/more recent design	



**Possible Channels****HF Dummy**

<b>Code</b>	<b>Description</b>	<b>Remarks</b>	<b>Valid since Version</b>
<b>??SUMALEUPHFFOX?</b>	HF Dummy      Submarining Left Upper Force X	just to be used with "Load Bold" design; use ILAC for other/more recent design	1.0
<b>??SUMARILOHFFOX?</b>	HF Dummy      Submarining Right Lower Force X	just to be used with "Load Bold" design; use ILAC for other/more recent design	1.0
<b>??SUMARIUPHFFOX?</b>	HF Dummy      Submarining Right Upper Force X	just to be used with "Load Bold" design; use ILAC for other/more recent design	1.0
<b>??VCCR0000HFVEX?</b>	HF Dummy      Chest Viscous Criterion		1.0
<b>??TIINLELOHF000?</b>	HF Dummy      Tibia Index Left Lower		1.0
<b>??TIINLEUPHF000?</b>	HF Dummy      Tibia Index Left Upper		1.0
<b>??TIINRILOHF000?</b>	HF Dummy      Tibia Index Right Lower		1.0
<b>??TIINRIUPHF000?</b>	HF Dummy      Tibia Index Right Upper		1.0

## Possible Channels

## HM Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000HMACR?	HM Dummy	Head Acceleration Resultant	1.0
??HEAD0000HMACX?	HM Dummy	Head Acceleration X	1.0
??HEAD0000HMACY?	HM Dummy	Head Acceleration Y	1.0
??HEAD0000HMACZ?	HM Dummy	Head Acceleration Z	1.0
??HEAD0000HMAVX?	HM Dummy	Head Angular Velocity X	1.6.1
??HEAD0000HMAVY?	HM Dummy	Head Angular Velocity Y	1.6.1
??HEAD0000HMAVZ?	HM Dummy	Head Angular Velocity Z	1.6.1
??HEADPR00HMANX?	HM Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6.1
??HEADPR00HMANY?	HM Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6.1
??NECKUP00HMFOX?	HM Dummy	Neck Upper Force X	1.0
??NECKUP00HMFOY?	HM Dummy	Neck Upper Force Y	1.0
??NECKUP00HMFOZ?	HM Dummy	Neck Upper Force Z	1.0
??NECKUP00HMLE0?	HM Dummy	Neck Upper Lever Arm	1.0
??NECKUP00HMMOX?	HM Dummy	Neck Upper Moment X	1.0
??NECKUP00HMMOY?	HM Dummy	Neck Upper Moment Y	1.0
??NECKUP00HMMOZ?	HM Dummy	Neck Upper Moment Z	1.0
??NECKUPCEHM000?	HM Dummy	Neck Upper Compression Extension	1.0
??NECKUPCFHM000?	HM Dummy	Neck Upper Compression Flexion	1.0
??NECKUPDNHMFOX?	HM Dummy	Neck Upper Duration of Loading Negative X	1.0
??NECKUPDNHMFOZ?	HM Dummy	Neck Upper Duration of Loading Negative Z	1.0
??NECKUPDPHMFOX?	HM Dummy	Neck Upper Duration of Loading Positive X	1.0
??NECKUPDPHMFOZ?	HM Dummy	Neck Upper Duration of Loading Positive Z	1.0
??NECKUPTEHM000?	HM Dummy	Neck Upper Tension Extension	1.0
??NECKUPTTFHM000?	HM Dummy	Neck Upper Tension Flexion	1.0
??NECKUPTOHMMOX?	HM Dummy	Neck Upper Total Moment X	1.0
??NECKUPTOHMMOY?	HM Dummy	Neck Upper Total Moment Y	1.0
??NECKLO00HMFOX?	HM Dummy	Neck Lower Force X	1.0
??NECKLO00HMFOY?	HM Dummy	Neck Lower Force Y	1.0
??NECKLO00HMFOZ?	HM Dummy	Neck Lower Force Z	1.0
??NECKLO00HMLEX?	HM Dummy	Neck Lower Lever Arm X	1.0
??NECKLO00HMLEZ?	HM Dummy	Neck Lower Lever Arm Z	1.0
??NECKLO00HMMOX?	HM Dummy	Neck Lower Moment X	1.0
??NECKLO00HMMOY?	HM Dummy	Neck Lower Moment Y	1.0
??NECKLO00HMMOZ?	HM Dummy	Neck Lower Moment Z	1.0
??NECKLOTOHMMOX?	HM Dummy	Neck Lower Total Moment X	1.0
??NECKLOTOHMMOY?	HM Dummy	Neck Lower Total Moment Y	1.0
??NECKLOTOHMMOZ?	HM Dummy	Neck Lower Total Moment Z	1.0
??THSP0000HMFOX?	HM Dummy	Thoracic Spine Force X	1.0
??THSP0000HMFOY?	HM Dummy	Thoracic Spine Force Y	1.0
??THSP0000HMFOZ?	HM Dummy	Thoracic Spine Force Z	1.0
??THSP0000HMMOX?	HM Dummy	Thoracic Spine Moment X	1.0
??THSP0000HMMOY?	HM Dummy	Thoracic Spine Moment Y	1.0
??THSP0000HMT0?	HM Dummy	Thoracic Spine Temperature	1.6
??THSPPR00HMANX?	HM Dummy	Thoracic Spine Angle X	quasi-static measurement for dummy positioning 1.6
??THSPPR00HMANY?	HM Dummy	Thoracic Spine Angle Y	quasi-static measurement for dummy positioning 1.6
??CHST0000HMACR?	HM Dummy	Chest Acceleration Resultant	1.0
??CHST0000HMACX?	HM Dummy	Chest Acceleration X	1.0
??CHST0000HMACY?	HM Dummy	Chest Acceleration Y	1.0

## Possible Channels

## HM Dummy

Code	Description	Remarks	Valid since Version
??CHST0000HMACZ?	HM Dummy	Chest Acceleration Z	1.0
??CHST0000HMAVX?	HM Dummy	Chest Angular Velocity X	1.6.1
??CHST0000HMAVY?	HM Dummy	Chest Angular Velocity Y	1.6.1
??CHST0000HMAVZ?	HM Dummy	Chest Angular Velocity Z	1.6.1
??CHST0000HMDSX?	HM Dummy	Chest Displacement X Filter Class related to ECE and FMVSS	1.0
??CHST0000HMVEX?	HM Dummy	Chest Velocity X	1.0
??CHST0003HMDSX?	HM Dummy	Chest Displacement X (cubic Polynom)	1.6
??LUSP0000HMFOX?	HM Dummy	Lumbar Spine Force X	1.0
??LUSP0000HMFOZ?	HM Dummy	Lumbar Spine Force Z	1.0
??LUSP0000HMMOY?	HM Dummy	Lumbar Spine Moment Y	1.0
??PELV0000HMACR?	HM Dummy	Pelvis Acceleration Resultant	1.0
??PELV0000HMACX?	HM Dummy	Pelvis Acceleration X	1.0
??PELV0000HMACY?	HM Dummy	Pelvis Acceleration Y	1.0
??PELV0000HMACZ?	HM Dummy	Pelvis Acceleration Z	1.0
??PELV0000HMAVX?	HM Dummy	Pelvis Angular Velocity X	1.6.1
??PELV0000HMAVY?	HM Dummy	Pelvis Angular Velocity Y	1.6.1
??PELV0000HMAVZ?	HM Dummy	Pelvis Angular Velocity Z	1.6.1
??PELVPR00HMANX?	HM Dummy	Pelvis Angle X quasi-static measurement for dummy positioning	1.6
??PELVPR00HMANY?	HM Dummy	Pelvis Angle Y quasi-static measurement for dummy positioning	1.6
??ILACLE00HMFOX?	HM Dummy	Iliac Spine Left Force X	1.6.1
??ILACLE00HMMOY?	HM Dummy	Iliac Spine Left Moment Y	1.6.1
??ILACRI00HMFOX?	HM Dummy	Iliac Spine Right Force X	1.6.1
??ILACRI00HMMOY?	HM Dummy	Iliac Spine Right Moment Y	1.6.1
??FEMRLE00HMFOX?	HM Dummy	Femur Left Force X	1.0
??FEMRLE00HMFOY?	HM Dummy	Femur Left Force Y	1.0
??FEMRLE00HMFOZ?	HM Dummy	Femur Left Force Z	1.0
??FEMRLE00HMMOX?	HM Dummy	Femur Left Moment X	1.0
??FEMRLE00HMMOY?	HM Dummy	Femur Left Moment Y	1.0
??FEMRLE00HMMOZ?	HM Dummy	Femur Left Moment Z	1.0
??FEMRLEDUHMFOZ?	HM Dummy	Femur Left Duration Force Z	1.0
??FEMRLEUPHMACR?	HM Dummy	Femur Left Upper Acceleration Resultant	1.0
??FEMRLEUPHMACX?	HM Dummy	Femur Left Upper Acceleration X	1.0
??FEMRLEUPHMACY?	HM Dummy	Femur Left Upper Acceleration Y	1.0
??FEMRLEUPHMACZ?	HM Dummy	Femur Left Upper Acceleration Z	1.0
??FEMRLEUPHMFOX?	HM Dummy	Femur Left Upper Force X	1.0
??FEMRLEUPHMFOY?	HM Dummy	Femur Left Upper Force Y	1.0
??FEMRLEUPHMFOZ?	HM Dummy	Femur Left Upper Force Z	1.0
??FEMRLEUPHMMOX?	HM Dummy	Femur Left Upper Moment X	1.0
??FEMRLEUPHMMOY?	HM Dummy	Femur Left Upper Moment Y	1.0
??FEMRLEUPHMMOZ?	HM Dummy	Femur Left Upper Moment Z	1.0
??FEMRRI00HMFOX?	HM Dummy	Femur Right Force X	1.0
??FEMRRI00HMFOY?	HM Dummy	Femur Right Force Y	1.0
??FEMRRI00HMFOZ?	HM Dummy	Femur Right Force Z	1.0
??FEMRRI00HMMOX?	HM Dummy	Femur Right Moment X	1.0
??FEMRRI00HMMOY?	HM Dummy	Femur Right Moment Y	1.0
??FEMRRI00HMMOZ?	HM Dummy	Femur Right Moment Z	1.0
??FEMRRIDUHMFOZ?	HM Dummy	Femur Right Duration Force Z	1.0
??FEMRRIUPHMACR?	HM Dummy	Femur Right Upper Acceleration Resultant	1.0

## Possible Channels

## HM Dummy

Code	Description	Remarks	Valid since Version
??FEMRRIUPHMACX?	HM Dummy	Femur Right Upper Acceleration X	1.0
??FEMRRIUPHMACY?	HM Dummy	Femur Right Upper Acceleration Y	1.0
??FEMRRIUPHMACZ?	HM Dummy	Femur Right Upper Acceleration Z	1.0
??FEMRRIUPHMFOX?	HM Dummy	Femur Right Upper Force X	1.0
??FEMRRIUPHMFOY?	HM Dummy	Femur Right Upper Force Y	1.0
??FEMRRIUPHMFOZ?	HM Dummy	Femur Right Upper Force Z	1.0
??FEMRRIUPHMMOX?	HM Dummy	Femur Right Upper Moment X	1.0
??FEMRRIUPHMMOY?	HM Dummy	Femur Right Upper Moment Y	1.0
??FEMRRIUPHMMOZ?	HM Dummy	Femur Right Upper Moment Z	1.0
??CLEVLEINHMFOZ?	HM Dummy	Knee Clevis Left Inner Force Z	1.0
??CLEVLEOUHMFOZ?	HM Dummy	Knee Clevis Left Outer Force Z	1.0
??CLEVRIINHMFOZ?	HM Dummy	Knee Clevis Right Inner Force Z	1.0
??CLEVRIOUHMFOZ?	HM Dummy	Knee Clevis Right Outer Force Z	1.0
??KNSLLE00HMDSX?	HM Dummy	Knee Slider Left Displacement X	1.0
??KNSLRI00HMDSX?	HM Dummy	Knee Slider Right Displacement X	1.0
??TIRALLFZHM00Z?	HM Dummy	Tibia Ratio Left Lower Force	1.5
??TIRALLMRHM00R?	HM Dummy	Tibia Ratio Left Lower Moment	1.5
??TIRALUFZHM00Z?	HM Dummy	Tibia Ratio Left Upper Force	1.5
??TIRALUMRHM00R?	HM Dummy	Tibia Ratio Left Upper Moment	1.5
??TIRARLFZHM00Z?	HM Dummy	Tibia Ratio Right Lower Force	1.5
??TIRARLMRHM00R?	HM Dummy	Tibia Ratio Right Lower Moment	1.5
??TIRARUFZHM00Z?	HM Dummy	Tibia Ratio Right Upper Force	1.5
??TIRARUMRHM00R?	HM Dummy	Tibia Ratio Right Upper Moment	1.5
??TIBILELOHMFOX?	HM Dummy	Tibia Left Lower Force X	1.0
??TIBILELOHMFOY?	HM Dummy	Tibia Left Lower Force Y	1.0
??TIBILELOHMFOZ?	HM Dummy	Tibia Left Lower Force Z	1.0
??TIBILELOHMMOX?	HM Dummy	Tibia Left Lower Moment X	1.0
??TIBILELOHMMOY?	HM Dummy	Tibia Left Lower Moment Y	1.0
??TIBILELOHMMOZ?	HM Dummy	Tibia Left Lower Moment Z	1.6.1
??TIBILEUPHMFOX?	HM Dummy	Tibia Left Upper Force X	1.0
??TIBILEUPHMFOY?	HM Dummy	Tibia Left Upper Force Y	1.6.1
??TIBILEUPHMFOZ?	HM Dummy	Tibia Left Upper Force Z	1.0
??TIBILEUPHMMOX?	HM Dummy	Tibia Left Upper Moment X	1.0
??TIBILEUPHMMOY?	HM Dummy	Tibia Left Upper Moment Y	1.0
??TIBILEUPHMMOZ?	HM Dummy	Tibia Left Upper Moment Z	1.6.1
??TIBIRILOHMFOX?	HM Dummy	Tibia Right Lower Force X	1.0
??TIBIRILOHMFOY?	HM Dummy	Tibia Right Lower Force Y	1.0
??TIBIRILOHMFOZ?	HM Dummy	Tibia Right Lower Force Z	1.0
??TIBIRILOHMMOX?	HM Dummy	Tibia Right Lower Moment X	1.0
??TIBIRILOHMMOY?	HM Dummy	Tibia Right Lower Moment Y	1.0
??TIBIRILOHMMOZ?	HM Dummy	Tibia Right Lower Moment Z	1.6.1
??TIBIRIUPHMFOX?	HM Dummy	Tibia Right Upper Force X	1.0
??TIBIRIUPHMFOY?	HM Dummy	Tibia Right Upper Force Y	1.6.1
??TIBIRIUPHMFOZ?	HM Dummy	Tibia Right Upper Force Z	1.0
??TIBIRIUPHMMOX?	HM Dummy	Tibia Right Upper Moment X	1.0
??TIBIRIUPHMMOY?	HM Dummy	Tibia Right Upper Moment Y	1.0
??TIBIRIUPHMMOZ?	HM Dummy	Tibia Right Upper Moment Z	1.6.1
??FOOTLE00HMACR?	HM Dummy	Foot Left Acceleration Resultant	1.0
??FOOTLE00HMACX?	HM Dummy	Foot Left Acceleration X	1.0
??FOOTLE00HMACY?	HM Dummy	Foot Left Acceleration Y	1.0

## Possible Channels

## HM Dummy

Code	Description	Remarks	Valid since Version
??FOOTLE00HMACZ?	HM Dummy	Foot Left Acceleration Z	1.0
??FOOTLE00HMFOX?	HM Dummy	Foot Ankle Left Force X	1.0
??FOOTLE00HMFOY?	HM Dummy	Foot Ankle Left Force Y	1.0
??FOOTLE00HMFOZ?	HM Dummy	Foot Ankle Left Force Z	1.0
??FOOTLE00HMMOX?	HM Dummy	Foot Ankle Left Moment X	1.0
??FOOTLE00HMMOY?	HM Dummy	Foot Ankle Left Moment Y	1.0
??FOOTRI00HMACR?	HM Dummy	Foot Right Acceleration Resultant	1.0
??FOOTRI00HMACX?	HM Dummy	Foot Right Acceleration X	1.0
??FOOTRI00HMACY?	HM Dummy	Foot Right Acceleration Y	1.0
??FOOTRI00HMACZ?	HM Dummy	Foot Right Acceleration Z	1.0
??FOOTRI00HMFOX?	HM Dummy	Foot Ankle Right Force X	1.0
??FOOTRI00HMFOY?	HM Dummy	Foot Ankle Right Force Y	1.0
??FOOTRI00HMFOZ?	HM Dummy	Foot Ankle Right Force Z	1.0
??FOOTRI00HMMOX?	HM Dummy	Foot Ankle Right Moment X	1.0
??FOOTRI00HMMOY?	HM Dummy	Foot Ankle Right Moment Y	1.0
??HEELLE00HMACZ?	HM Dummy	Heel Left Acceleration Z	1.0
??HEELRI00HMACZ?	HM Dummy	Heel Right Acceleration Z	1.0
??TOESLE00HMACZ?	HM Dummy	Toe Left Acceleration Z	1.0
??TOESLE00HMFOZ?	HM Dummy	Toe Left Force Z	1.0
??TOESRI00HMACZ?	HM Dummy	Toe Right Acceleration Z	1.0
??TOESRI00HMFOZ?	HM Dummy	Toe Right Force Z	1.0
??SUMALELOHMFOX?	HM Dummy	Submarining Left Lower Force X	just to be used with "Load Bold" design; use ILAC for other/more recent design 1.6.1
??SUMALEUPHMFOX?	HM Dummy	Submarining Left Upper Force X	just to be used with "Load Bold" design; use ILAC for other/more recent design 1.6.1
??SUMARILOHMFOX?	HM Dummy	Submarining Right Lower Force X	just to be used with "Load Bold" design; use ILAC for other/more recent design 1.6.1
??SUMARIUPHMFOX?	HM Dummy	Submarining Right Upper Force X	just to be used with "Load Bold" design; use ILAC for other/more recent design 1.6.1
??VCCR0000HMVEX?	HM Dummy	Chest Viscous Criterion	1.0
??TIINLELOHM000?	HM Dummy	Tibia Index Left Lower	1.0
??TIINLEUPHM000?	HM Dummy	Tibia Index Left Upper	1.0
??TIINRILOHM000?	HM Dummy	Tibia Index Right Lower	1.0
??TIINRIUPHM000?	HM Dummy	Tibia Index Right Upper	1.0

## Possible Channels

## P1 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000P1ACR?	P1 Dummy Head Acceleration Resultant		1.6
??HEAD0000P1ACX?	P1 Dummy Head Acceleration X		1.6
??HEAD0000P1ACY?	P1 Dummy Head Acceleration Y		1.6
??HEAD0000P1ACZ?	P1 Dummy Head Acceleration Z		1.6
??NECKUP00P1FOX?	P1 Dummy Neck Upper Force X		1.6
??NECKUP00P1FOY?	P1 Dummy Neck Upper Force Y		1.6
??NECKUP00P1FOZ?	P1 Dummy Neck Upper Force Z		1.6
??NECKUP00P1MOX?	P1 Dummy Neck Upper Moment X		1.6
??NECKUP00P1MOY?	P1 Dummy Neck Upper Moment Y		1.6
??NECKUP00P1MOZ?	P1 Dummy Neck Upper Moment Z		1.6
??CHST0000P1ACR?	P1 Dummy Chest Acceleration Resultant		1.6
??CHST0000P1ACX?	P1 Dummy Chest Acceleration X		1.6
??CHST0000P1ACY?	P1 Dummy Chest Acceleration Y		1.6
??CHST0000P1ACZ?	P1 Dummy Chest Acceleration Z		1.6

## Possible Channels

## P2 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000P2ACR?	P2 Dummy Head Acceleration Resultant		1.0
??HEAD0000P2ACX?	P2 Dummy Head Acceleration X		1.0
??HEAD0000P2ACY?	P2 Dummy Head Acceleration Y		1.0
??HEAD0000P2ACZ?	P2 Dummy Head Acceleration Z		1.0
??NECKUP00P2FOX?	P2 Dummy Neck Upper Force X		1.0
??NECKUP00P2FOY?	P2 Dummy Neck Upper Force Y		1.0
??NECKUP00P2FOZ?	P2 Dummy Neck Upper Force Z		1.0
??NECKUP00P2MOX?	P2 Dummy Neck Upper Moment X		1.0
??NECKUP00P2MOY?	P2 Dummy Neck Upper Moment Y		1.0
??NECKUP00P2MOZ?	P2 Dummy Neck Upper Moment Z		1.0
??NECKLO00P2FOX?	P2 Dummy Neck Lower Force X		1.0
??NECKLO00P2FOY?	P2 Dummy Neck Lower Force Y		1.0
??NECKLO00P2FOZ?	P2 Dummy Neck Lower Force Z		1.0
??NECKLO00P2MOX?	P2 Dummy Neck Lower Moment X		1.0
??NECKLO00P2MOY?	P2 Dummy Neck Lower Moment Y		1.0
??NECKLO00P2MOZ?	P2 Dummy Neck Lower Moment Z		1.0
??CHST0000P2ACR?	P2 Dummy Chest Acceleration Resultant		1.0
??CHST0000P2ACX?	P2 Dummy Chest Acceleration X		1.0
??CHST0000P2ACY?	P2 Dummy Chest Acceleration Y		1.0
??CHST0000P2ACZ?	P2 Dummy Chest Acceleration Z		1.0
??LUSP0000P2FOX?	P2 Dummy Lumbar Spine Force X		1.0
??LUSP0000P2FOY?	P2 Dummy Lumbar Spine Force Y		1.0
??LUSP0000P2FOZ?	P2 Dummy Lumbar Spine Force Z		1.0
??LUSP0000P2MOX?	P2 Dummy Lumbar Spine Moment X		1.0
??LUSP0000P2MOY?	P2 Dummy Lumbar Spine Moment Y		1.0
??LUSP0000P2MOZ?	P2 Dummy Lumbar Spine Moment Z		1.0
??PELV0000P2ACR?	P2 Dummy Pelvis Acceleration Resultant		1.0
??PELV0000P2ACX?	P2 Dummy Pelvis Acceleration X		1.0
??PELV0000P2ACY?	P2 Dummy Pelvis Acceleration Y		1.0
??PELV0000P2ACZ?	P2 Dummy Pelvis Acceleration Z		1.0

## Possible Channels

## P3 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000P3ACR?	P3 Dummy Head Acceleration Resultant		1.0
??HEAD0000P3ACX?	P3 Dummy Head Acceleration X		1.0
??HEAD0000P3ACY?	P3 Dummy Head Acceleration Y		1.0
??HEAD0000P3ACZ?	P3 Dummy Head Acceleration Z		1.0
??NECKUP00P3FOX?	P3 Dummy Neck Upper Force X		1.0
??NECKUP00P3FOY?	P3 Dummy Neck Upper Force Y		1.0
??NECKUP00P3FOZ?	P3 Dummy Neck Upper Force Z		1.0
??NECKUP00P3LE0?	P3 Dummy Neck Upper Lever Arm		1.0
??NECKUP00P3MOX?	P3 Dummy Neck Upper Moment X		1.0
??NECKUP00P3MOY?	P3 Dummy Neck Upper Moment Y		1.0
??NECKUP00P3MOZ?	P3 Dummy Neck Upper Moment Z		1.0
??NECKUPTOP3MOY?	P3 Dummy Neck Upper Total Moment Y		1.0
??NECKUPTOP3MOZ?	P3 Dummy Neck Upper Total Moment Z		1.0
??CHST0000P3ACR?	P3 Dummy Chest Acceleration Resultant		1.0
??CHST0000P3ACX?	P3 Dummy Chest Acceleration X		1.0
??CHST0000P3ACY?	P3 Dummy Chest Acceleration Y		1.0
??CHST0000P3ACZ?	P3 Dummy Chest Acceleration Z		1.0



**Possible Channels****P4 Dummy**

Code	Description	Remarks	Valid since Version
??HEAD0000P4ACR?	P4 Dummy Head Acceleration Resultant		1.6
??HEAD0000P4ACX?	P4 Dummy Head Acceleration X		1.6
??HEAD0000P4ACY?	P4 Dummy Head Acceleration Y		1.6
??HEAD0000P4ACZ?	P4 Dummy Head Acceleration Z		1.6
??NECKUP00P4FOX?	P4 Dummy Neck Upper Force X		1.6
??NECKUP00P4FOY?	P4 Dummy Neck Upper Force Y		1.6
??NECKUP00P4FOZ?	P4 Dummy Neck Upper Force Z		1.6
??NECKUP00P4MOX?	P4 Dummy Neck Upper Moment X		1.6
??NECKUP00P4MOY?	P4 Dummy Neck Upper Moment Y		1.6
??NECKUP00P4MOZ?	P4 Dummy Neck Upper Moment Z		1.6
??CHST0000P4ACR?	P4 Dummy Chest Acceleration Resultant		1.6
??CHST0000P4ACX?	P4 Dummy Chest Acceleration X		1.6
??CHST0000P4ACY?	P4 Dummy Chest Acceleration Y		1.6
??CHST0000P4ACZ?	P4 Dummy Chest Acceleration Z		1.6

## Possible Channels

## P5 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000P5ACR?	P5 Dummy	Head Acceleration Resultant	1.6
??HEAD0000P5ACX?	P5 Dummy	Head Acceleration X	1.6
??HEAD0000P5ACY?	P5 Dummy	Head Acceleration Y	1.6
??HEAD0000P5ACZ?	P5 Dummy	Head Acceleration Z	1.6
??NECKUP00P5FOX?	P5 Dummy	Neck Upper Force X	1.6
??NECKUP00P5FOY?	P5 Dummy	Neck Upper Force Y	1.6
??NECKUP00P5FOZ?	P5 Dummy	Neck Upper Force Z	1.6
??NECKUP00P5MOX?	P5 Dummy	Neck Upper Moment X	1.6
??NECKUP00P5MOY?	P5 Dummy	Neck Upper Moment Y	1.6
??NECKUP00P5MOZ?	P5 Dummy	Neck Upper Moment Z	1.6
??CHST0000P5ACR?	P5 Dummy	Chest Acceleration Resultant	1.6
??CHST0000P5ACX?	P5 Dummy	Chest Acceleration X	1.6
??CHST0000P5ACY?	P5 Dummy	Chest Acceleration Y	1.6
??CHST0000P5ACZ?	P5 Dummy	Chest Acceleration Z	1.6

**Possible Channels****Q0 Dummy**

Code	Description	Remarks	Valid since Version
??HEAD0000Q0ACR?	Q0 Dummy	Head Acceleration Resultant	1.6
??HEAD0000Q0ACX?	Q0 Dummy	Head Acceleration X	1.6
??HEAD0000Q0ACY?	Q0 Dummy	Head Acceleration Y	1.6
??HEAD0000Q0ACZ?	Q0 Dummy	Head Acceleration Z	1.6
??NECKUP00Q0FOX?	Q0 Dummy	Neck Upper Force X	1.6
??NECKUP00Q0FOY?	Q0 Dummy	Neck Upper Force Y	1.6
??NECKUP00Q0FOZ?	Q0 Dummy	Neck Upper Force Z	1.6
??NECKUP00Q0MOX?	Q0 Dummy	Neck Upper Moment X	1.6
??NECKUP00Q0MOY?	Q0 Dummy	Neck Upper Moment Y	1.6
??NECKUP00Q0MOZ?	Q0 Dummy	Neck Upper Moment Z	1.6
??THSP0000Q0ACR?	Q0 Dummy	Thoracic Spine Acceleration Resultant	1.6
??THSP0000Q0ACX?	Q0 Dummy	Thoracic Spine Acceleration X	1.6
??THSP0000Q0ACY?	Q0 Dummy	Thoracic Spine Acceleration Y	1.6
??THSP0000Q0ACZ?	Q0 Dummy	Thoracic Spine Acceleration Z	1.6
??PELV0000Q0ACR?	Q0 Dummy	Pelvis Acceleration Resultant	1.6
??PELV0000Q0ACX?	Q0 Dummy	Pelvis Acceleration X	1.6
??PELV0000Q0ACY?	Q0 Dummy	Pelvis Acceleration Y	1.6
??PELV0000Q0ACZ?	Q0 Dummy	Pelvis Acceleration Z	1.6

## Possible Channels

## Q1 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000Q1ACR?	Q1 Dummy Head Acceleration Resultant		1.6
??HEAD0000Q1ACX?	Q1 Dummy Head Acceleration X		1.6
??HEAD0000Q1ACY?	Q1 Dummy Head Acceleration Y		1.6
??HEAD0000Q1ACZ?	Q1 Dummy Head Acceleration Z		1.6
??HEAD0000Q1AVX?	Q1 Dummy Head Angular Velocity X		1.6
??HEAD0000Q1AVY?	Q1 Dummy Head Angular Velocity Y		1.6
??HEAD0000Q1AVZ?	Q1 Dummy Head Angular Velocity Z		1.6
??NECKUP00Q1FOX?	Q1 Dummy Neck Upper Force X		1.6
??NECKUP00Q1FOY?	Q1 Dummy Neck Upper Force Y		1.6
??NECKUP00Q1FOZ?	Q1 Dummy Neck Upper Force Z		1.6
??NECKUP00Q1MOX?	Q1 Dummy Neck Upper Moment X		1.6
??NECKUP00Q1MOY?	Q1 Dummy Neck Upper Moment Y		1.6
??NECKUP00Q1MOZ?	Q1 Dummy Neck Upper Moment Z		1.6
??TRRI????Q1ACX?	Q1 Dummy Thoracic Rib Additional Acceleration X (taped)	taped; no fixed position	1.6
??TRRI????Q1ACY?	Q1 Dummy Thoracic Rib Additional Acceleration Y (taped)	taped; no fixed position	1.6
??TRRI????Q1ACZ?	Q1 Dummy Thoracic Rib Additional Acceleration Z (taped)	taped; no fixed position	1.6
??THSP0000Q1ACR?	Q1 Dummy Thoracic Spine Acceleration Resultant		1.6
??THSP0000Q1ACX?	Q1 Dummy Thoracic Spine Acceleration X		1.6
??THSP0000Q1ACY?	Q1 Dummy Thoracic Spine Acceleration Y		1.6
??THSP0000Q1ACZ?	Q1 Dummy Thoracic Spine Acceleration Z		1.6
??THSP????Q1ACX?	Q1 Dummy Thoracic Spine Additional Acceleration X (taped)	taped; no fixed position	1.6
??THSP????Q1ACY?	Q1 Dummy Thoracic Spine Additional Acceleration Y (taped)	taped; no fixed position	1.6
??THSP????Q1ACZ?	Q1 Dummy Thoracic Spine Additional Acceleration Z (taped)	taped; no fixed position	1.6
??CHST0000Q1DSX?	Q1 Dummy Chest Displacement X		1.6
??CHSTLE00Q1DSY?	Q1 Dummy Chest Left Displacement Y	for left side impact	1.6
??CHSTRI00Q1DSY?	Q1 Dummy Chest Right Displacement Y	for right side impact	1.6
??ABDOLE00Q1PR0?	Q1 Dummy Abdomen Left Pressure	issued by CASPER project	1.6
??ABDORI00Q1PR0?	Q1 Dummy Abdomen Right Pressure	issued by CASPER project	1.6
??LUSP0000Q1FOX?	Q1 Dummy Lumbar Spine Force X		1.6
??LUSP0000Q1FOY?	Q1 Dummy Lumbar Spine Force Y		1.6
??LUSP0000Q1FOZ?	Q1 Dummy Lumbar Spine Force Z		1.6
??LUSP0000Q1MOX?	Q1 Dummy Lumbar Spine Moment X		1.6
??LUSP0000Q1MOY?	Q1 Dummy Lumbar Spine Moment Y		1.6
??LUSP0000Q1MOZ?	Q1 Dummy Lumbar Spine Moment Z		1.6
??PELV0000Q1ACR?	Q1 Dummy Pelvis Acceleration Resultant		1.6
??PELV0000Q1ACX?	Q1 Dummy Pelvis Acceleration X		1.6
??PELV0000Q1ACY?	Q1 Dummy Pelvis Acceleration Y		1.6
??PELV0000Q1ACZ?	Q1 Dummy Pelvis Acceleration Z		1.6

## Possible Channels

## Q2 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000Q2ACR?	Q2 Dummy	Head Acceleration Resultant	1.6
??HEAD0000Q2ACX?	Q2 Dummy	Head Acceleration X	1.6
??HEAD0000Q2ACY?	Q2 Dummy	Head Acceleration Y	1.6
??HEAD0000Q2ACZ?	Q2 Dummy	Head Acceleration Z	1.6
??HEAD0000Q2AVX?	Q2 Dummy	Head Angular Velocity X	1.6
??HEAD0000Q2AVY?	Q2 Dummy	Head Angular Velocity Y	1.6
??HEAD0000Q2AVZ?	Q2 Dummy	Head Angular Velocity Z	1.6
??NECKUP00Q2FOX?	Q2 Dummy	Neck Upper Force X	1.6
??NECKUP00Q2FOY?	Q2 Dummy	Neck Upper Force Y	1.6
??NECKUP00Q2FOZ?	Q2 Dummy	Neck Upper Force Z	1.6
??NECKUP00Q2MOX?	Q2 Dummy	Neck Upper Moment X	1.6
??NECKUP00Q2MOY?	Q2 Dummy	Neck Upper Moment Y	1.6
??NECKUP00Q2MOZ?	Q2 Dummy	Neck Upper Moment Z	1.6
??TRRI????Q2ACX?	Q2 Dummy	Thoracic Rib Additional Acceleration X (taped)	taped; no fixed position 1.6
??TRRI????Q2ACY?	Q2 Dummy	Thoracic Rib Additional Acceleration Y (taped)	taped; no fixed position 1.6
??TRRI????Q2ACZ?	Q2 Dummy	Thoracic Rib Additional Acceleration Z (taped)	taped; no fixed position 1.6
??THSP0000Q2ACR?	Q2 Dummy	Thoracic Spine Acceleration Resultant	1.6
??THSP0000Q2ACX?	Q2 Dummy	Thoracic Spine Acceleration X	1.6
??THSP0000Q2ACY?	Q2 Dummy	Thoracic Spine Acceleration Y	1.6
??THSP0000Q2ACZ?	Q2 Dummy	Thoracic Spine Acceleration Z	1.6
??THSP????Q2ACX?	Q2 Dummy	Thoracic Spine Additional Acceleration X (taped)	taped; no fixed position 1.6
??THSP????Q2ACY?	Q2 Dummy	Thoracic Spine Additional Acceleration Y (taped)	taped; no fixed position 1.6
??THSP????Q2ACZ?	Q2 Dummy	Thoracic Spine Additional Acceleration Z (taped)	taped; no fixed position 1.6
??CHST0000Q2DSX?	Q2 Dummy	Chest Displacement X	1.6
??CHSTLE00Q2DSY?	Q2 Dummy	Chest Left Displacement Y	for left side impact 1.6
??CHSTRI00Q2DSY?	Q2 Dummy	Chest Right Displacement Y	for right side impact 1.6
??ABDOLE00Q2PR0?	Q2 Dummy	Abdomen Left Pressure	issued by CASPER project 1.6
??ABDORI00Q2PR0?	Q2 Dummy	Abdomen Right Pressure	issued by CASPER project 1.6
??LUSP0000Q2FOX?	Q2 Dummy	Lumbar Spine Force X	1.6
??LUSP0000Q2FOY?	Q2 Dummy	Lumbar Spine Force Y	1.6
??LUSP0000Q2FOZ?	Q2 Dummy	Lumbar Spine Force Z	1.6
??LUSP0000Q2MOX?	Q2 Dummy	Lumbar Spine Moment X	1.6
??LUSP0000Q2MOY?	Q2 Dummy	Lumbar Spine Moment Y	1.6
??LUSP0000Q2MOZ?	Q2 Dummy	Lumbar Spine Moment Z	1.6
??PELV0000Q2ACR?	Q2 Dummy	Pelvis Acceleration Resultant	1.6
??PELV0000Q2ACX?	Q2 Dummy	Pelvis Acceleration X	1.6
??PELV0000Q2ACY?	Q2 Dummy	Pelvis Acceleration Y	1.6
??PELV0000Q2ACZ?	Q2 Dummy	Pelvis Acceleration Z	1.6

## Possible Channels

## Q3 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000Q3ACR?	Q3 Dummy	Head Acceleration Resultant	1.6
??HEAD0000Q3ACX?	Q3 Dummy	Head Acceleration X	1.6
??HEAD0000Q3ACY?	Q3 Dummy	Head Acceleration Y	1.6
??HEAD0000Q3ACZ?	Q3 Dummy	Head Acceleration Z	1.6
??HEAD0000Q3AVX?	Q3 Dummy	Head Angular Velocity X	1.6
??HEAD0000Q3AVY?	Q3 Dummy	Head Angular Velocity Y	1.6
??HEAD0000Q3AVZ?	Q3 Dummy	Head Angular Velocity Z	1.6
??HEADPR00Q3ANX?	Q3 Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6.1
??HEADPR00Q3ANY?	Q3 Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6.1
??NECKUP00Q3FOX?	Q3 Dummy	Neck Upper Force X	1.6
??NECKUP00Q3FOY?	Q3 Dummy	Neck Upper Force Y	1.6
??NECKUP00Q3FOZ?	Q3 Dummy	Neck Upper Force Z	1.6
??NECKUP00Q3MOX?	Q3 Dummy	Neck Upper Moment X	1.6
??NECKUP00Q3MOY?	Q3 Dummy	Neck Upper Moment Y	1.6
??NECKUP00Q3MOZ?	Q3 Dummy	Neck Upper Moment Z	1.6
??NECKLO00Q3FOX?	Q3 Dummy	Neck Lower Force X	1.6
??NECKLO00Q3FOY?	Q3 Dummy	Neck Lower Force Y	1.6
??NECKLO00Q3FOZ?	Q3 Dummy	Neck Lower Force Z	1.6
??NECKLO00Q3MOX?	Q3 Dummy	Neck Lower Moment X	1.6
??NECKLO00Q3MOY?	Q3 Dummy	Neck Lower Moment Y	1.6
??NECKLO00Q3MOZ?	Q3 Dummy	Neck Lower Moment Z	1.6
??TRRI????Q3ACX?	Q3 Dummy	Thoracic Rib Additional Acceleration X (taped)	taped; no fixed position 1.6
??TRRI????Q3ACY?	Q3 Dummy	Thoracic Rib Additional Acceleration Y (taped)	taped; no fixed position 1.6
??TRRI????Q3ACZ?	Q3 Dummy	Thoracic Rib Additional Acceleration Z (taped)	taped; no fixed position 1.6
??THSP0000Q3ACR?	Q3 Dummy	Thoracic Spine Acceleration Resultant	1.6
??THSP0000Q3ACX?	Q3 Dummy	Thoracic Spine Acceleration X	1.6
??THSP0000Q3ACY?	Q3 Dummy	Thoracic Spine Acceleration Y	1.6
??THSP0000Q3ACZ?	Q3 Dummy	Thoracic Spine Acceleration Z	1.6
??THSPPR00Q3ANX?	Q3 Dummy	Thoracic Spine Angle X	quasi-static measurement for dummy positioning 1.6.1
??THSPPR00Q3ANY?	Q3 Dummy	Thoracic Spine Angle Y	quasi-static measurement for dummy positioning 1.6.1
??THSP????Q3ACX?	Q3 Dummy	Thoracic Spine Additional Acceleration X (taped)	taped; no fixed position 1.6
??THSP????Q3ACY?	Q3 Dummy	Thoracic Spine Additional Acceleration Y (taped)	taped; no fixed position 1.6
??THSP????Q3ACZ?	Q3 Dummy	Thoracic Spine Additional Acceleration Z (taped)	taped; no fixed position 1.6
??CHST0000Q3DSX?	Q3 Dummy	Chest Displacement X	1.6
??CHST0000Q3VOX?	Q3 Dummy	Chest Voltage IRTRACC X	1.6
??CHSTLE00Q3DSY?	Q3 Dummy	Chest Left Displacement Y	left side impact 1.6.1
??CHSTLE00Q3VOY?	Q3 Dummy	Chest Left Voltage IRTRACC Y	left side impact 1.6.1
??CHSTRI00Q3DSY?	Q3 Dummy	Chest Right Displacement Y	right side impact 1.6.1
??CHSTRI00Q3VOY?	Q3 Dummy	Chest Right Voltage IRTRACC Y	right side impact 1.6.1
??ABDOLE00Q3PR0?	Q3 Dummy	Abdomen Left Pressure	issued by CASPER project 1.6
??ABDORI00Q3PR0?	Q3 Dummy	Abdomen Right Pressure	issued by CASPER project 1.6
??LUSP0000Q3FOX?	Q3 Dummy	Lumbar Spine Force X	1.6
??LUSP0000Q3FOY?	Q3 Dummy	Lumbar Spine Force Y	1.6
??LUSP0000Q3FOZ?	Q3 Dummy	Lumbar Spine Force Z	1.6

**Possible Channels****Q3 Dummy**

Code	Description	Remarks	Valid since Version
??LUSP0000Q3MOX?	Q3 Dummy Lumbar Spine Moment X		1.6
??LUSP0000Q3MOY?	Q3 Dummy Lumbar Spine Moment Y		1.6
??LUSP0000Q3MOZ?	Q3 Dummy Lumbar Spine Moment Z		1.6
??PELV0000Q3ACR?	Q3 Dummy Pelvis Acceleration Resultant		1.6
??PELV0000Q3ACX?	Q3 Dummy Pelvis Acceleration X		1.6
??PELV0000Q3ACY?	Q3 Dummy Pelvis Acceleration Y		1.6
??PELV0000Q3ACZ?	Q3 Dummy Pelvis Acceleration Z		1.6

## Possible Channels

## Q4 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000Q4ACR?	Q4 Dummy Head Acceleration Resultant		1.6
??HEAD0000Q4ACX?	Q4 Dummy Head Acceleration X		1.6
??HEAD0000Q4ACY?	Q4 Dummy Head Acceleration Y		1.6
??HEAD0000Q4ACZ?	Q4 Dummy Head Acceleration Z		1.6
??HEAD0000Q4AVX?	Q4 Dummy Head Angular Velocity X		1.6
??HEAD0000Q4AVY?	Q4 Dummy Head Angular Velocity Y		1.6
??HEAD0000Q4AVZ?	Q4 Dummy Head Angular Velocity Z		1.6
??HEADPR00Q4ANX?	Q4 Dummy Head Angle X	quasi-static measurement for dummy positioning	1.6.1
??HEADPR00Q4ANY?	Q4 Dummy Head Angle Y	quasi-static measurement for dummy positioning	1.6.1
??NECKUP00Q4FOX?	Q4 Dummy Neck Upper Force X		1.6
??NECKUP00Q4FOY?	Q4 Dummy Neck Upper Force Y		1.6
??NECKUP00Q4FOZ?	Q4 Dummy Neck Upper Force Z		1.6
??NECKUP00Q4MOX?	Q4 Dummy Neck Upper Moment X		1.6
??NECKUP00Q4MOY?	Q4 Dummy Neck Upper Moment Y		1.6
??NECKUP00Q4MOZ?	Q4 Dummy Neck Upper Moment Z		1.6
??NECKLO00Q4FOX?	Q4 Dummy Neck Lower Force X		1.6
??NECKLO00Q4FOY?	Q4 Dummy Neck Lower Force Y		1.6
??NECKLO00Q4FOZ?	Q4 Dummy Neck Lower Force Z		1.6
??NECKLO00Q4MOX?	Q4 Dummy Neck Lower Moment X		1.6
??NECKLO00Q4MOY?	Q4 Dummy Neck Lower Moment Y		1.6
??NECKLO00Q4MOZ?	Q4 Dummy Neck Lower Moment Z		1.6
??SHLDLE00Q4DSY?	Q4 Dummy Shoulder Left Displacement Y		1.6
??SHLDRI00Q4DSY?	Q4 Dummy Shoulder Right Displacement Y		1.6
??TRRI????Q4ACX?	Q4 Dummy Thoracic Rib Additional Acceleration X (taped)	taped; no fixed position	1.6
??TRRI????Q4ACY?	Q4 Dummy Thoracic Rib Additional Acceleration Y (taped)	taped; no fixed position	1.6
??TRRI????Q4ACZ?	Q4 Dummy Thoracic Rib Additional Acceleration Z (taped)	taped; no fixed position	1.6
??SPIN0100Q4ACY?	Q4 Dummy Spine Upper (T1) Acceleration Y		1.6
??THSP0000Q4ACR?	Q4 Dummy Thoracic Spine Acceleration Resultant		1.6
??THSP0000Q4ACX?	Q4 Dummy Thoracic Spine Acceleration X		1.6
??THSP0000Q4ACY?	Q4 Dummy Thoracic Spine Acceleration Y		1.6
??THSP0000Q4ACZ?	Q4 Dummy Thoracic Spine Acceleration Z		1.6
??THSPPR00Q4ANX?	Q4 Dummy Thoracic Spine Angle X	quasi-static measurement for dummy positioning	1.6.1
??THSPPR00Q4ANY?	Q4 Dummy Thoracic Spine Angle Y	quasi-static measurement for dummy positioning	1.6.1
??THSP????Q4ACX?	Q4 Dummy Thoracic Spine Additional Acceleration X (taped)	taped; no fixed position	1.6
??THSP????Q4ACY?	Q4 Dummy Thoracic Spine Additional Acceleration Y (taped)	taped; no fixed position	1.6
??THSP????Q4ACZ?	Q4 Dummy Thoracic Spine Additional Acceleration Z (taped)	taped; no fixed position	1.6
??CHSTLE00Q4DSY?	Q4 Dummy Chest Left Displacement Y	left side impact	1.6
??CHSTLE00Q4VOY?	Q4 Dummy Chest Left Voltage IRTACC Y	left side impact	1.6
??CHSTRI00Q4DSY?	Q4 Dummy Chest Right Displacement Y	right side impact	1.6
??CHSTRI00Q4VOY?	Q4 Dummy Chest Right Voltage IRTACC Y	right side impact	1.6
??ABDOLE00Q4PR0?	Q4 Dummy Abdomen Left Pressure	issued by CASPER project	1.6
??ABDORI00Q4PR0?	Q4 Dummy Abdomen Right Pressure	issued by CASPER project	1.6
??LUSP0000Q4FOX?	Q4 Dummy Lumbar Spine Force X		1.6
??LUSP0000Q4FOY?	Q4 Dummy Lumbar Spine Force Y		1.6



**Possible Channels****Q4 Dummy**

Code	Description	Remarks	Valid since Version
??LUSP0000Q4FOZ?	Q4 Dummy Lumbar Spine Force Z		1.6
??LUSP0000Q4MOX?	Q4 Dummy Lumbar Spine Moment X		1.6
??LUSP0000Q4MOY?	Q4 Dummy Lumbar Spine Moment Y		1.6
??LUSP0000Q4MOZ?	Q4 Dummy Lumbar Spine Moment Z		1.6
??PELV0000Q4ACR?	Q4 Dummy Pelvis Acceleration Resultant		1.6
??PELV0000Q4ACX?	Q4 Dummy Pelvis Acceleration X		1.6
??PELV0000Q4ACY?	Q4 Dummy Pelvis Acceleration Y		1.6
??PELV0000Q4ACZ?	Q4 Dummy Pelvis Acceleration Z		1.6
??PUBC0000Q4FOY?	Q4 Dummy Pubic Symphysis Force Y		1.6

## Possible Channels

## Q6 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000Q6ACR?	Q6 Dummy	Head Acceleration Resultant	1.6
??HEAD0000Q6ACX?	Q6 Dummy	Head Acceleration X	1.6
??HEAD0000Q6ACY?	Q6 Dummy	Head Acceleration Y	1.6
??HEAD0000Q6ACZ?	Q6 Dummy	Head Acceleration Z	1.6
??HEAD0000Q6AVX?	Q6 Dummy	Head Angular Velocity X	1.6
??HEAD0000Q6AVY?	Q6 Dummy	Head Angular Velocity Y	1.6
??HEAD0000Q6AVZ?	Q6 Dummy	Head Angular Velocity Z	1.6
??HEADPR00Q6ANX?	Q6 Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6.1
??HEADPR00Q6ANY?	Q6 Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6.1
??NECKUP00Q6FOX?	Q6 Dummy	Neck Upper Force X	1.6
??NECKUP00Q6FOY?	Q6 Dummy	Neck Upper Force Y	1.6
??NECKUP00Q6FOZ?	Q6 Dummy	Neck Upper Force Z	1.6
??NECKUP00Q6MOX?	Q6 Dummy	Neck Upper Moment X	1.6
??NECKUP00Q6MOY?	Q6 Dummy	Neck Upper Moment Y	1.6
??NECKUP00Q6MOZ?	Q6 Dummy	Neck Upper Moment Z	1.6
??NECKLO00Q6FOX?	Q6 Dummy	Neck Lower Force X	1.6
??NECKLO00Q6FOY?	Q6 Dummy	Neck Lower Force Y	1.6
??NECKLO00Q6FOZ?	Q6 Dummy	Neck Lower Force Z	1.6
??NECKLO00Q6MOX?	Q6 Dummy	Neck Lower Moment X	1.6
??NECKLO00Q6MOY?	Q6 Dummy	Neck Lower Moment Y	1.6
??NECKLO00Q6MOZ?	Q6 Dummy	Neck Lower Moment Z	1.6
??TRRI????Q6ACX?	Q6 Dummy	Thoracic Rib Additional Acceleration X (taped)	taped; no fixed position 1.6
??TRRI????Q6ACY?	Q6 Dummy	Thoracic Rib Additional Acceleration Y (taped)	taped; no fixed position 1.6
??TRRI????Q6ACZ?	Q6 Dummy	Thoracic Rib Additional Acceleration Z (taped)	taped; no fixed position 1.6
??THSP0000Q6ACR?	Q6 Dummy	Thoracic Spine Acceleration Resultant	1.6
??THSP0000Q6ACX?	Q6 Dummy	Thoracic Spine Acceleration X	1.6
??THSP0000Q6ACY?	Q6 Dummy	Thoracic Spine Acceleration Y	1.6
??THSP0000Q6ACZ?	Q6 Dummy	Thoracic Spine Acceleration Z	1.6
??THSPPR00Q6ANX?	Q6 Dummy	Thoracic Spine Angle X	quasi-static measurement for dummy positioning 1.6.1
??THSPPR00Q6ANY?	Q6 Dummy	Thoracic Spine Angle Y	quasi-static measurement for dummy positioning 1.6.1
??THSP????Q6ACX?	Q6 Dummy	Thoracic Spine Additional Acceleration X (taped)	taped; no fixed position 1.6
??THSP????Q6ACY?	Q6 Dummy	Thoracic Spine Additional Acceleration Y (taped)	taped; no fixed position 1.6
??THSP????Q6ACZ?	Q6 Dummy	Thoracic Spine Additional Acceleration Z (taped)	taped; no fixed position 1.6
??CHST0000Q6DSX?	Q6 Dummy	Chest Displacement X	1.6
??CHST0000Q6VOX?	Q6 Dummy	Chest Voltage IRTRACC X	1.6
??CHSTLE00Q6DSY?	Q6 Dummy	Chest Left Displacement Y	left side impact 1.6.1
??CHSTLE00Q6VOY?	Q6 Dummy	Chest Left Voltage IRTRACC Y	left side impact 1.6.1
??CHSTRI00Q6DSY?	Q6 Dummy	Chest Right Displacement Y	right side impact 1.6.1
??CHSTRI00Q6VOY?	Q6 Dummy	Chest Right Voltage IRTRACC Y	right side impact 1.6.1
??ABDOLE00Q6PR0?	Q6 Dummy	Abdomen Left Pressure	issued by CASPER project 1.6
??ABDORI00Q6PR0?	Q6 Dummy	Abdomen Right Pressure	issued by CASPER project 1.6
??LUSP0000Q6FOX?	Q6 Dummy	Lumbar Spine Force X	1.6
??LUSP0000Q6FOY?	Q6 Dummy	Lumbar Spine Force Y	1.6
??LUSP0000Q6FOZ?	Q6 Dummy	Lumbar Spine Force Z	1.6

**Possible Channels****Q6 Dummy**

Code	Description	Remarks	Valid since Version
??LUSP0000Q6MOX?	Q6 Dummy Lumbar Spine Moment X		1.6
??LUSP0000Q6MOY?	Q6 Dummy Lumbar Spine Moment Y		1.6
??LUSP0000Q6MOZ?	Q6 Dummy Lumbar Spine Moment Z		1.6
??PELV0000Q6ACR?	Q6 Dummy Pelvis Acceleration Resultant		1.6
??PELV0000Q6ACX?	Q6 Dummy Pelvis Acceleration X		1.6
??PELV0000Q6ACY?	Q6 Dummy Pelvis Acceleration Y		1.6
??PELV0000Q6ACZ?	Q6 Dummy Pelvis Acceleration Z		1.6

## Possible Channels

## QA Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000QAACR?	QA Dummy	Head Acceleration Resultant	1.6.1
??HEAD0000QAACX?	QA Dummy	Head Acceleration X	1.6.1
??HEAD0000QAACY?	QA Dummy	Head Acceleration Y	1.6.1
??HEAD0000QAACZ?	QA Dummy	Head Acceleration Z	1.6.1
??HEAD0000QAAVX?	QA Dummy	Head Angular Velocity X	1.6.1
??HEAD0000QAAVY?	QA Dummy	Head Angular Velocity Y	1.6.1
??HEAD0000QAAVZ?	QA Dummy	Head Angular Velocity Z	1.6.1
??HEADPR00QAANX?	QA Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6.1
??HEADPR00QAANY?	QA Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6.1
??NECKUP00QAFOX?	QA Dummy	Neck Upper Force X	1.6.1
??NECKUP00QAFOY?	QA Dummy	Neck Upper Force Y	1.6.1
??NECKUP00QAFOZ?	QA Dummy	Neck Upper Force Z	1.6.1
??NECKUP00QAMOX?	QA Dummy	Neck Upper Moment X	1.6.1
??NECKUP00QAMOY?	QA Dummy	Neck Upper Moment Y	1.6.1
??NECKUP00QAMoz?	QA Dummy	Neck Upper Moment Z	1.6.1
??NECKLO00QAFOX?	QA Dummy	Neck Lower Force X	1.6.1
??NECKLO00QAFOY?	QA Dummy	Neck Lower Force Y	1.6.1
??NECKLO00QAFOZ?	QA Dummy	Neck Lower Force Z	1.6.1
??NECKLO00QAMOX?	QA Dummy	Neck Lower Moment X	1.6.1
??NECKLO00QAMOY?	QA Dummy	Neck Lower Moment Y	1.6.1
??NECKLO00QAMoz?	QA Dummy	Neck Lower Moment Z	1.6.1
??TRRI????QAACX?	QA Dummy	Thoracic Rib Additional Acceleration X (taped)	taped; no fixed position 1.6.1
??TRRI????QAACY?	QA Dummy	Thoracic Rib Additional Acceleration Y (taped)	taped; no fixed position 1.6.1
??TRRI????QAACZ?	QA Dummy	Thoracic Rib Additional Acceleration Z (taped)	taped; no fixed position 1.6.1
??THSPPR00QAANX?	QA Dummy	Thoracic Spine Angle X	quasi-static measurement for dummy positioning 1.6.1
??THSPPR00QAANY?	QA Dummy	Thoracic Spine Angle Y	quasi-static measurement for dummy positioning 1.6.1
??THSP0400QAACX?	QA Dummy	T4 Acceleration X	1.6.1
??THSP0400QAACY?	QA Dummy	T4 Acceleration Y	1.6.1
??THSP0400QAACZ?	QA Dummy	T4 Acceleration Z	1.6.1
??THSP0400QAAVX?	QA Dummy	Thoracic Spine Angular Velocity X, 4th Vertebra	1.6.1
??THSP0400QAAVY?	QA Dummy	Thoracic Spine Angular Velocity Y, 4th Vertebra	1.6.1
??THSP0400QAAVZ?	QA Dummy	Thoracic Spine Angular Velocity Z, 4th Vertebra	1.6.1
??THSP1200QAACX?	QA Dummy	T12 Acceleration X	1.6.1
??THSP1200QAACY?	QA Dummy	T12 Acceleration Y	1.6.1
??THSP1200QAACZ?	QA Dummy	T12 Acceleration Z	1.6.1
??THSP1200QAAVX?	QA Dummy	Thoracic Spine Angular Velocity X, 12th Vertebra	1.6.1
??THSP1200QAAVY?	QA Dummy	Thoracic Spine Angular Velocity Y, 12th Vertebra	1.6.1
??THSP1200QAAVZ?	QA Dummy	Thoracic Spine Angular Velocity Z, 12th Vertebra	1.6.1
??CHSTUP00QAANZ?	QA Dummy	Chest Upper IRTACC Angle Z	2D IR-TRACC 1.6.1
??CHSTUP00QADS0?	QA Dummy	Chest Upper Displacement 0	2D IR-TRACC 1.6.1
??CHSTUP00QADSX?	QA Dummy	Chest Upper Displacement X	calculated 2D IR-TRACC 1.6.1
??CHSTUP00QADSY?	QA Dummy	Chest Upper Displacement Y	calculated 2D IR-TRACC 1.6.1

## Possible Channels

## QA Dummy

Code	Description	Remarks	Valid since Version
??CHSTUP00QAVO0?	QA Dummy Chest Upper Voltage ITRACC 0	2D IR-TRACC	1.6.1
??CHSTLELOQAANZ?	QA Dummy Chest Left Lower ITRACC Angle Z	left side impact, 2D IR-TRACC	1.6.1
??CHSTLELOQADS0?	QA Dummy Chest Left Lower Displacement 0	left side impact, 2D IR-TRACC	1.6.1
??CHSTLELOQADSX?	QA Dummy Chest Left Lower Displacement X	calculated, left side impact, 2D IR-TRACC	1.6.1
??CHSTLELOQADSY?	QA Dummy Chest Left Upper Displacement Y	calculated, left side impact, 2D IR-TRACC	1.6.1
??CHSTLELOQAVO0?	QA Dummy Chest Left Lower Voltage ITRACC 0	left side impact, 2D IR-TRACC	1.6.1
??CHSTLEUPQAANZ?	QA Dummy Chest Left Upper ITRACC Angle Z	left side impact, 2D IR-TRACC	1.6.1
??CHSTLEUPQADS0?	QA Dummy Chest Left Upper Displacement 0	left side impact, 2D IR-TRACC	1.6.1
??CHSTLEUPQADSX?	QA Dummy Chest Left Upper Displacement X	calculated, left side impact, 2D IR-TRACC	1.6.1
??CHSTLEUPQADSY?	QA Dummy Chest Left Upper Displacement Y	calculated, left side impact, 2D IR-TRACC	1.6.1
??CHSTLEUPQAVO0?	QA Dummy Chest Left Upper Voltage ITRACC 0	left side impact, 2D IR-TRACC	1.6.1
??CHSTLO00QAANZ?	QA Dummy Chest Lower ITRACC Angle Z	2D IR-TRACC	1.6.1
??CHSTLO00QADS0?	QA Dummy Chest Lower Displacement 0	2D IR-TRACC	1.6.1
??CHSTLO00QADSX?	QA Dummy Chest Lower Displacement X	calculated, 2D IR-TRACC	1.6.1
??CHSTLO00QADSY?	QA Dummy Chest Upper Displacement Y	calculated, 2D IR-TRACC	1.6.1
??CHSTLO00QAVO0?	QA Dummy Chest Lower Voltage ITRACC 0	2D IR-TRACC	1.6.1
??CHSTRILOQAANZ?	QA Dummy Chest Right Lower ITRACC Angle Z	right side impact, 2D IR-TRACC	1.6.1
??CHSTRILOQADS0?	QA Dummy Chest Right Lower Displacement 0	right side impact, 2D IR-TRACC	1.6.1
??CHSTRILOQADSX?	QA Dummy Chest Right Lower Displacement X	calculated, right side impact, 2D IR-TRACC	1.6.1
??CHSTRILOQADSY?	QA Dummy Chest Right Upper Displacement Y	calculated, right side impact, 2D IR-TRACC	1.6.1
??CHSTRILOQAVO0?	QA Dummy Chest Right Lower Voltage ITRACC 0	right side impact, 2D IR-TRACC	1.6.1
??CHSTRIUPQAANZ?	QA Dummy Chest Right Upper ITRACC Angle Z	right side impact, 2D IR-TRACC	1.6.1
??CHSTRIUPQADS0?	QA Dummy Chest Right Upper Displacement 0	right side impact, 2D IR-TRACC	1.6.1
??CHSTRIUPQADSX?	QA Dummy Chest Right Upper Displacement X	calculated, right side impact, 2D IR-TRACC	1.6.1
??CHSTRIUPQADSY?	QA Dummy Chest Right Upper Displacement Y	calculated, right side impact, 2D IR-TRACC	1.6.1
??CHSTRIUPQAVO0?	QA Dummy Chest Right Upper Voltage ITRACC 0	right side impact, 2D IR-TRACC	1.6.1
??ABDOLE00QAPR0?	QA Dummy Abdomen Left Pressure		1.6.1
??ABDORI00QAPR0?	QA Dummy Abdomen Right Pressure		1.6.1
??LUSP0000QAACX?	QA Dummy Lumbar Spine Acceleration X		1.6.1
??LUSP0000QAACY?	QA Dummy Lumbar Spine Acceleration Y		1.6.1
??LUSP0000QAAVX?	QA Dummy Lumbar Spine Angular Velocity X		1.6.1
??LUSP0000QAAVY?	QA Dummy Lumbar Spine Angular Velocity Y		1.6.1
??LUSP0000QAFOX?	QA Dummy Lumbar Spine Force X		1.6.1
??LUSP0000QAFOY?	QA Dummy Lumbar Spine Force Y		1.6.1
??LUSP0000QAFOZ?	QA Dummy Lumbar Spine Force Z		1.6.1
??LUSP0000QAMOX?	QA Dummy Lumbar Spine Moment X		1.6.1
??LUSP0000QAMOY?	QA Dummy Lumbar Spine Moment Y		1.6.1
??LUSP0000QAMoz?	QA Dummy Lumbar Spine Moment Z		1.6.1
??PELV0000QAACR?	QA Dummy Pelvis Acceleration Resultant		1.6.1
??PELV0000QAACX?	QA Dummy Pelvis Acceleration X		1.6.1
??PELV0000QAACY?	QA Dummy Pelvis Acceleration Y		1.6.1
??PELV0000QAACZ?	QA Dummy Pelvis Acceleration Z		1.6.1
??PELV0000QAAVX?	QA Dummy Pelvis Angular Velocity X		1.6.1
??PELV0000QAAVY?	QA Dummy Pelvis Angular Velocity Y		1.6.1
??PELV0000QAAVZ?	QA Dummy Pelvis Angular Velocity Z		1.6.1

## Possible Channels

## QA Dummy

Code	Description	Remarks	Valid since Version
??PELVPR00QAANX?	QA Dummy Pelvis Angle X	quasi-static measurement for dummy positioning	1.6.1
??PELVPR00QAANY?	QA Dummy Pelvis Angle Y	quasi-static measurement for dummy positioning	1.6.1
??PUBC0000QAFOY?	QA Dummy Pubic Symphysis Force Y		1.6.1
??FEMRLE00QAFOX?	QA Dummy Femur Left Upper Force X		1.6.1
??FEMRLE00QAFOY?	QA Dummy Femur Left Upper Force Y		1.6.1
??FEMRLE00QAFOZ?	QA Dummy Femur Left Upper Force Z		1.6.1
??FEMRLE00QAMOX?	QA Dummy Femur Left Upper Moment X		1.6.1
??FEMRLE00QAMOY?	QA Dummy Femur Left Upper Moment Y		1.6.1
??FEMRLE00QAMoz?	QA Dummy Femur Left Upper Moment Z		1.6.1
??FEMRRI00QAFOX?	QA Dummy Femur Right Upper Force X		1.6.1
??FEMRRI00QAFOY?	QA Dummy Femur Right Upper Force Y		1.6.1
??FEMRRI00QAFOZ?	QA Dummy Femur Right Upper Force Z		1.6.1
??FEMRRI00QAMOX?	QA Dummy Femur Right Upper Moment X		1.6.1
??FEMRRI00QAMOY?	QA Dummy Femur Right Upper Moment Y		1.6.1
??FEMRRI00QAMoz?	QA Dummy Femur Right Upper Moment Z		1.6.1

## Possible Channels

## S2 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000S2ACR?	S2 Dummy	Head Acceleration Resultant	1.0
??HEAD0000S2ACX?	S2 Dummy	Head Acceleration X	1.0
??HEAD0000S2ACY?	S2 Dummy	Head Acceleration Y	1.0
??HEAD0000S2ACZ?	S2 Dummy	Head Acceleration Z	1.0
??HEAD0000S2AVX?	S2 Dummy	Head Angular Velocity X	1.4
??HEAD0000S2AVY?	S2 Dummy	Head Angular Velocity Y	1.6
??HEAD0000S2AVZ?	S2 Dummy	Head Angular Velocity Z	1.6
??HEADPR00S2ANX?	S2 Dummy	Head Angle X	1.6
??HEADPR00S2ANY?	S2 Dummy	Head Angle Y	1.6
??NECKUP00S2FOX?	S2 Dummy	Neck Upper Force X	1.0
??NECKUP00S2FOY?	S2 Dummy	Neck Upper Force Y	1.0
??NECKUP00S2FOZ?	S2 Dummy	Neck Upper Force Z	1.0
??NECKUP00S2LE0?	S2 Dummy	Neck Upper Lever Arm	1.0
??NECKUP00S2MOX?	S2 Dummy	Neck Upper Moment X	1.0
??NECKUP00S2MOY?	S2 Dummy	Neck Upper Moment Y	1.0
??NECKUP00S2MOZ?	S2 Dummy	Neck Upper Moment Z	1.0
??NECKUPDNS2FOX?	S2 Dummy	Neck Upper Duration of Loading Negative X	1.0
??NECKUPDNS2FOZ?	S2 Dummy	Neck Upper Duration of Loading Negative Z	1.0
??NECKUPDPS2FOX?	S2 Dummy	Neck Upper Duration of Loading Positive X	1.0
??NECKUPDPS2FOZ?	S2 Dummy	Neck Upper Duration of Loading Positive Z	1.0
??NECKUPTOS2MOX?	S2 Dummy	Neck Upper Total Moment X	1.0
??NECKUPTOS2MOY?	S2 Dummy	Neck Upper Total Moment Y	1.0
??NECKLO00S2FOX?	S2 Dummy	Neck Lower Force X	1.0
??NECKLO00S2FOY?	S2 Dummy	Neck Lower Force Y	1.0
??NECKLO00S2FOZ?	S2 Dummy	Neck Lower Force Z	1.0
??NECKLO00S2LEX?	S2 Dummy	Neck Lower Lever Arm X	1.0
??NECKLO00S2LEZ?	S2 Dummy	Neck Lower Lever Arm Z	1.0
??NECKLO00S2MOX?	S2 Dummy	Neck Lower Moment X	1.0
??NECKLO00S2MOY?	S2 Dummy	Neck Lower Moment Y	1.0
??NECKLO00S2MOZ?	S2 Dummy	Neck Lower Moment Z	1.0
??NECKLOTOS2MOX?	S2 Dummy	Neck Lower Total Moment X	1.0
??NECKLOTOS2MOY?	S2 Dummy	Neck Lower Total Moment Y	1.0
??NECKLOTOS2MOZ?	S2 Dummy	Neck Lower Total Moment Z	1.0
??SHLDLE00S2FOX?	S2 Dummy	Shoulder Left Force X	1.0
??SHLDLE00S2FOY?	S2 Dummy	Shoulder Left Force Y	1.0
??SHLDLE00S2FOZ?	S2 Dummy	Shoulder Left Force Z	1.0
??SHLDRI00S2FOX?	S2 Dummy	Shoulder Right Force X	1.0
??SHLDRI00S2FOY?	S2 Dummy	Shoulder Right Force Y	1.0
??SHLDRI00S2FOZ?	S2 Dummy	Shoulder Right Force Z	1.0
??UPARLE00S2FOX?	S2 Dummy	Upper Arm Left Force X	1.1
??UPARLE00S2FOY?	S2 Dummy	Upper Arm Left Force Y	1.1
??UPARLE00S2FOZ?	S2 Dummy	Upper Arm Left Force Z	1.1
??UPARLE00S2MOX?	S2 Dummy	Upper Arm Left Moment X	1.1
??UPARLE00S2MOY?	S2 Dummy	Upper Arm Left Moment Y	1.1
??UPARLE00S2MOZ?	S2 Dummy	Upper Arm Left Moment Z	1.2
??UPARLELOS2ACR?	S2 Dummy	Upper Arm Left Lower Acceleration Resultant	1.1
??UPARLELOS2ACX?	S2 Dummy	Upper Arm Left Lower Acceleration X	1.1
??UPARLELOS2ACY?	S2 Dummy	Upper Arm Left Lower Acceleration Y	1.1

## Possible Channels

## S2 Dummy

Code	Description	Remarks	Valid since Version
??UPARLELOS2ACZ?	S2 Dummy Upper Arm Left Lower Acceleration Z		1.1
??UPARLEUPS2ACR?	S2 Dummy Upper Arm Left Upper Acceleration Resultant		1.6
??UPARLEUPS2ACX?	S2 Dummy Upper Arm Left Upper Acceleration X		1.6
??UPARLEUPS2ACY?	S2 Dummy Upper Arm Left Upper Acceleration Y		1.6
??UPARLEUPS2ACZ?	S2 Dummy Upper Arm Left Upper Acceleration Z		1.6
??UPARRI00S2FOX?	S2 Dummy Upper Arm Right Force X		1.1
??UPARRI00S2FOY?	S2 Dummy Upper Arm Right Force Y		1.1
??UPARRI00S2FOZ?	S2 Dummy Upper Arm Right Force Z		1.1
??UPARRI00S2MOX?	S2 Dummy Upper Arm Right Moment X		1.1
??UPARRI00S2MOY?	S2 Dummy Upper Arm Right Moment Y		1.1
??UPARRI00S2MOZ?	S2 Dummy Upper Arm Right Moment Z		1.2
??UPARRILOS2ACR?	S2 Dummy Upper Arm Right Lower Acceleration Resultant		1.1
??UPARRILOS2ACX?	S2 Dummy Upper Arm Right Lower Acceleration X		1.1
??UPARRILOS2ACY?	S2 Dummy Upper Arm Right Lower Acceleration Y		1.1
??UPARRILOS2ACZ?	S2 Dummy Upper Arm Right Lower Acceleration Z		1.1
??UPARRIUPS2ACR?	S2 Dummy Upper Arm Right Upper Acceleration Resultant		1.6
??UPARRIUPS2ACX?	S2 Dummy Upper Arm Right Upper Acceleration X		1.6
??UPARRIUPS2ACY?	S2 Dummy Upper Arm Right Upper Acceleration Y		1.6
??UPARRIUPS2ACZ?	S2 Dummy Upper Arm Right Upper Acceleration Z		1.6
??ELBJLE00S2ANY?	S2 Dummy Elbow Joint Left Angle Y		1.6.1
??ELBJLE00S2MOX?	S2 Dummy Elbow Joint Left Moment X		1.0
??ELBJLE00S2MOY?	S2 Dummy Elbow Joint Left Moment Y		1.0
??ELBJRI00S2ANY?	S2 Dummy Elbow Joint Right Angle Y		1.6.1
??ELBJRI00S2MOX?	S2 Dummy Elbow Joint Right Moment X		1.0
??ELBJRI00S2MOY?	S2 Dummy Elbow Joint Right Moment Y		1.0
??FOARLE00S2FOX?	S2 Dummy Forearm Left Force X		1.1
??FOARLE00S2FOY?	S2 Dummy Forearm Left Force Y		1.1
??FOARLE00S2FOZ?	S2 Dummy Forearm Left Force Z		1.1
??FOARLE00S2MOX?	S2 Dummy Forearm Left Moment X		1.1
??FOARLE00S2MOY?	S2 Dummy Forearm Left Moment Y		1.1
??FOARLE00S2MOZ?	S2 Dummy Forearm Left Moment Z		1.2
??FOARLELOS2ACR?	S2 Dummy Forearm Left Lower Acceleration Resultant		1.1
??FOARLELOS2ACX?	S2 Dummy Forearm Left Lower Acceleration X		1.1
??FOARLELOS2ACY?	S2 Dummy Forearm Left Lower Acceleration Y		1.1
??FOARLELOS2ACZ?	S2 Dummy Forearm Left Lower Acceleration Z		1.1
??FOARRI00S2FOX?	S2 Dummy Forearm Right Force X		1.1
??FOARRI00S2FOY?	S2 Dummy Forearm Right Force Y		1.1
??FOARRI00S2FOZ?	S2 Dummy Forearm Right Force Z		1.1
??FOARRI00S2MOX?	S2 Dummy Forearm Right Moment X		1.1
??FOARRI00S2MOY?	S2 Dummy Forearm Right Moment Y		1.1
??FOARRI00S2MOZ?	S2 Dummy Forearm Right Moment Z		1.2
??FOARRILOS2ACR?	S2 Dummy Forearm Right Lower Acceleration Resultant		1.1
??FOARRILOS2ACX?	S2 Dummy Forearm Right Lower Acceleration X		1.1
??FOARRILOS2ACY?	S2 Dummy Forearm Right Lower Acceleration Y		1.1
??FOARRILOS2ACZ?	S2 Dummy Forearm Right Lower Acceleration Z		1.1
??WRISLE00S2ANZ?	S2 Dummy Wrist Joint Left Angle Z		1.6.1
??WRISRI00S2ANZ?	S2 Dummy Wrist Joint Right Angle Z		1.6.1
??SHRI00L1S2ACR?	S2 Dummy Shoulder Rib Redundant Left Acceleration Resultant		1.2



## Possible Channels

## S2 Dummy

Code	Description	Remarks	Valid since Version
??SHRI00L1S2ACX?	S2 Dummy	Shoulder Rib Redundant Left Acceleration X	1.2
??SHRI00L1S2ACY?	S2 Dummy	Shoulder Rib Redundant Left Acceleration Y	1.2
??SHRI00L1S2ACZ?	S2 Dummy	Shoulder Rib Redundant Left Acceleration Z	1.2
??SHRI00LES2ACR?	S2 Dummy	Shoulder Rib Left Acceleration Resultant	1.0
??SHRI00LES2ACX?	S2 Dummy	Shoulder Rib Left Acceleration X	1.0
??SHRI00LES2ACY?	S2 Dummy	Shoulder Rib Left Acceleration Y	1.0
??SHRI00LES2ACZ?	S2 Dummy	Shoulder Rib Left Acceleration Z	1.0
??SHRI00LES2DSY?	S2 Dummy	Shoulder Rib Left Displacement Y	1.0
??SHRI00R1S2ACR?	S2 Dummy	Shoulder Rib Redundant Right Acceleration Resultant	1.2
??SHRI00R1S2ACX?	S2 Dummy	Shoulder Rib Redundant Right Acceleration X	1.2
??SHRI00R1S2ACY?	S2 Dummy	Shoulder Rib Redundant Right Acceleration Y	1.2
??SHRI00R1S2ACZ?	S2 Dummy	Shoulder Rib Redundant Right Acceleration Z	1.2
??SHRI00RIS2ACR?	S2 Dummy	Shoulder Rib Right Acceleration Resultant	1.0
??SHRI00RIS2ACX?	S2 Dummy	Shoulder Rib Right Acceleration X	1.0
??SHRI00RIS2ACY?	S2 Dummy	Shoulder Rib Right Acceleration Y	1.0
??SHRI00RIS2ACZ?	S2 Dummy	Shoulder Rib Right Acceleration Z	1.0
??SHRI00RIS2DSY?	S2 Dummy	Shoulder Rib Right Displacement Y	1.0
??TRRI0100S2FOX?	S2 Dummy	Thoracic Rib 1 Force X	1.0
??TRRI01L1S2ACR?	S2 Dummy	Thoracic Rib 1 Redundant Left Acceleration Resultant	1.0
??TRRI01L1S2ACX?	S2 Dummy	Thoracic Rib 1 Redundant Left Acceleration X	1.0
??TRRI01L1S2ACY?	S2 Dummy	Thoracic Rib 1 Redundant Left Acceleration Y	1.0
??TRRI01L1S2ACZ?	S2 Dummy	Thoracic Rib 1 Redundant Left Acceleration Z	1.0
??TRRI01LES2ACR?	S2 Dummy	Thoracic Rib 1 Left Acceleration Resultant	1.0
??TRRI01LES2ACX?	S2 Dummy	Thoracic Rib 1 Left Acceleration X	1.0
??TRRI01LES2ACY?	S2 Dummy	Thoracic Rib 1 Left Acceleration Y	1.0
??TRRI01LES2ACZ?	S2 Dummy	Thoracic Rib 1 Left Acceleration Z	1.0
??TRRI01LES2DSY?	S2 Dummy	Thoracic Rib 1 Left Deflection Y	1.0
??TRRI01R1S2ACR?	S2 Dummy	Thoracic Rib 1 Redundant Right Acceleration Resultant	1.0
??TRRI01R1S2ACX?	S2 Dummy	Thoracic Rib 1 Redundant Right Acceleration X	1.0
??TRRI01R1S2ACY?	S2 Dummy	Thoracic Rib 1 Redundant Right Acceleration Y	1.0
??TRRI01R1S2ACZ?	S2 Dummy	Thoracic Rib 1 Redundant Right Acceleration Z	1.0
??TRRI01RIS2ACR?	S2 Dummy	Thoracic Rib 1 Right Acceleration Resultant	1.0
??TRRI01RIS2ACX?	S2 Dummy	Thoracic Rib 1 Right Acceleration X	1.0
??TRRI01RIS2ACY?	S2 Dummy	Thoracic Rib 1 Right Acceleration Y	1.0
??TRRI01RIS2ACZ?	S2 Dummy	Thoracic Rib 1 Right Acceleration Z	1.0
??TRRI01RIS2DSY?	S2 Dummy	Thoracic Rib 1 Right Deflection Y	1.0
??TRRI0200S2FOX?	S2 Dummy	Thoracic Rib 2 Force X	1.0
??TRRI02L1S2ACR?	S2 Dummy	Thoracic Rib 2 Redundant Left Acceleration Resultant	1.1
??TRRI02L1S2ACX?	S2 Dummy	Thoracic Rib 2 Redundant Left Acceleration X	1.1
??TRRI02L1S2ACY?	S2 Dummy	Thoracic Rib 2 Redundant Left Acceleration Y	1.1

## Possible Channels

## S2 Dummy

Code	Description	Remarks	Valid since Version
??TRRI02L1S2ACZ?	S2 Dummy	Thoracic Rib 2 Redundant Left Acceleration Z	1.1
??TRRI02LES2ACR?	S2 Dummy	Thoracic Rib 2 Left Acceleration Resultant	1.0
??TRRI02LES2ACX?	S2 Dummy	Thoracic Rib 2 Left Acceleration X	1.0
??TRRI02LES2ACY?	S2 Dummy	Thoracic Rib 2 Left Acceleration Y	1.0
??TRRI02LES2ACZ?	S2 Dummy	Thoracic Rib 2 Left Acceleration Z	1.0
??TRRI02LES2DSY?	S2 Dummy	Thoracic Rib 2 Left Deflection Y	1.0
??TRRI02R1S2ACR?	S2 Dummy	Thoracic Rib 2 Redundant Right Acceleration Resultant	1.1
??TRRI02R1S2ACX?	S2 Dummy	Thoracic Rib 2 Redundant Right Acceleration X	1.1
??TRRI02R1S2ACY?	S2 Dummy	Thoracic Rib 2 Redundant Right Acceleration Y	1.1
??TRRI02R1S2ACZ?	S2 Dummy	Thoracic Rib 2 Redundant Right Acceleration Z	1.1
??TRRI02RIS2ACR?	S2 Dummy	Thoracic Rib 2 Right Acceleration Resultant	1.0
??TRRI02RIS2ACX?	S2 Dummy	Thoracic Rib 2 Right Acceleration X	1.0
??TRRI02RIS2ACY?	S2 Dummy	Thoracic Rib 2 Right Acceleration Y	1.0
??TRRI02RIS2ACZ?	S2 Dummy	Thoracic Rib 2 Right Acceleration Z	1.0
??TRRI02RIS2DSY?	S2 Dummy	Thoracic Rib 2 Right Deflection Y	1.0
??TRRI0300S2FOX?	S2 Dummy	Thoracic Rib 3 Force X	1.0
??TRRI03L1S2ACR?	S2 Dummy	Thoracic Rib 3 Redundant Left Acceleration Resultant	1.1
??TRRI03L1S2ACX?	S2 Dummy	Thoracic Rib 3 Redundant Left Acceleration X	1.1
??TRRI03L1S2ACY?	S2 Dummy	Thoracic Rib 3 Redundant Left Acceleration Y	1.1
??TRRI03L1S2ACZ?	S2 Dummy	Thoracic Rib 3 Redundant Left Acceleration Z	1.1
??TRRI03LES2ACR?	S2 Dummy	Thoracic Rib 3 Left Acceleration Resultant	1.0
??TRRI03LES2ACX?	S2 Dummy	Thoracic Rib 3 Left Acceleration X	1.0
??TRRI03LES2ACY?	S2 Dummy	Thoracic Rib 3 Left Acceleration Y	1.0
??TRRI03LES2ACZ?	S2 Dummy	Thoracic Rib 3 Left Acceleration Z	1.0
??TRRI03LES2DSY?	S2 Dummy	Thoracic Rib 3 Left Deflection Y	1.0
??TRRI03R1S2ACR?	S2 Dummy	Thoracic Rib 3 Redundant Right Acceleration Resultant	1.1
??TRRI03R1S2ACX?	S2 Dummy	Thoracic Rib 3 Redundant Right Acceleration X	1.1
??TRRI03R1S2ACY?	S2 Dummy	Thoracic Rib 3 Redundant Right Acceleration Y	1.1
??TRRI03R1S2ACZ?	S2 Dummy	Thoracic Rib 3 Redundant Right Acceleration Z	1.1
??TRRI03RIS2ACR?	S2 Dummy	Thoracic Rib 3 Right Acceleration Resultant	1.0
??TRRI03RIS2ACX?	S2 Dummy	Thoracic Rib 3 Right Acceleration X	1.0
??TRRI03RIS2ACY?	S2 Dummy	Thoracic Rib 3 Right Acceleration Y	1.0
??TRRI03RIS2ACZ?	S2 Dummy	Thoracic Rib 3 Right Acceleration Z	1.0
??TRRI03RIS2DSY?	S2 Dummy	Thoracic Rib 3 Right Deflection Y	1.0
??SPIN0100S2ACR?	S2 Dummy	Spine Upper (T1) Acceleration Resultant	1.0
??SPIN0100S2ACX?	S2 Dummy	Spine Upper (T1) Acceleration X	1.0
??SPIN0100S2ACY?	S2 Dummy	Spine Upper (T1) Acceleration Y	1.0
??SPIN0100S2ACZ?	S2 Dummy	Spine Upper (T1) Acceleration Z	1.0
??SPIN0100S2AVX?	S2 Dummy	Spine Upper (T1) Angular Velocity X	1.6
??SPIN0100S2AVY?	S2 Dummy	Spine Upper (T1) Angular Velocity Y	1.6
??SPIN0100S2AVZ?	S2 Dummy	Spine Upper (T1) Angular Velocity Z	1.6
??THSP0000S2TE0?	S2 Dummy	Thoracic Spine Temperature	1.6

## Possible Channels

## S2 Dummy

Code	Description	Remarks	Valid since Version
??THSPPR00S2ANX?	S2 Dummy Thoracic Spine Angle X	quasi-static measurement for dummy positioning	1.6
??THSPPR00S2ANY?	S2 Dummy Thoracic Spine Angle Y	quasi-static measurement for dummy positioning	1.6
??THSP01LES2ACR?	S2 Dummy Thoracic Spine 1 Left Acceleration Resultant	Represents T4 Vertebra	1.0
??THSP01LES2ACX?	S2 Dummy Thoracic Spine 1 Left Acceleration X	Represents T4 Vertebra	1.0
??THSP01LES2ACY?	S2 Dummy Thoracic Spine 1 Left Acceleration Y	Represents T4 Vertebra	1.0
??THSP01LES2ACZ?	S2 Dummy Thoracic Spine 1 Left Acceleration Z	Represents T4 Vertebra	1.0
??THSP01RIS2ACR?	S2 Dummy Thoracic Spine 1 Right Acceleration Resultant	Represents T4 Vertebra	1.0
??THSP01RIS2ACX?	S2 Dummy Thoracic Spine 1 Right Acceleration X	Represents T4 Vertebra	1.0
??THSP01RIS2ACY?	S2 Dummy Thoracic Spine 1 Right Acceleration Y	Represents T4 Vertebra	1.0
??THSP01RIS2ACZ?	S2 Dummy Thoracic Spine 1 Right Acceleration Z	Represents T4 Vertebra	1.0
??THSP02LES2ACR?	S2 Dummy Thoracic Spine 2 Left Acceleration Resultant		1.0
??THSP02LES2ACX?	S2 Dummy Thoracic Spine 2 Left Acceleration X		1.0
??THSP02LES2ACY?	S2 Dummy Thoracic Spine 2 Left Acceleration Y		1.0
??THSP02LES2ACZ?	S2 Dummy Thoracic Spine 2 Left Acceleration Z		1.0
??THSP02RIS2ACR?	S2 Dummy Thoracic Spine 2 Right Acceleration Resultant		1.0
??THSP02RIS2ACX?	S2 Dummy Thoracic Spine 2 Right Acceleration X		1.0
??THSP02RIS2ACY?	S2 Dummy Thoracic Spine 2 Right Acceleration Y		1.0
??THSP02RIS2ACZ?	S2 Dummy Thoracic Spine 2 Right Acceleration Z		1.0
??THSP03LES2ACR?	S2 Dummy Thoracic Spine 3 Left Acceleration Resultant		1.0
??THSP03LES2ACX?	S2 Dummy Thoracic Spine 3 Left Acceleration X		1.0
??THSP03LES2ACY?	S2 Dummy Thoracic Spine 3 Left Acceleration Y		1.0
??THSP03LES2ACZ?	S2 Dummy Thoracic Spine 3 Left Acceleration Z		1.0
??THSP03RIS2ACR?	S2 Dummy Thoracic Spine 3 Right Acceleration Resultant		1.0
??THSP03RIS2ACX?	S2 Dummy Thoracic Spine 3 Right Acceleration X		1.0
??THSP03RIS2ACY?	S2 Dummy Thoracic Spine 3 Right Acceleration Y		1.0
??THSP03RIS2ACZ?	S2 Dummy Thoracic Spine 3 Right Acceleration Z		1.0
??ABRI0100S2FOX?	S2 Dummy Abdominal Rib 1 Force X		1.2
??ABRI01L1S2ACR?	S2 Dummy Abdominal Rib 1 Redundant Left Acceleration Resultant		1.2
??ABRI01L1S2ACX?	S2 Dummy Abdominal Rib 1 Redundant Left Acceleration X		1.2
??ABRI01L1S2ACY?	S2 Dummy Abdominal Rib 1 Redundant Left Acceleration Y		1.2
??ABRI01L1S2ACZ?	S2 Dummy Abdominal Rib 1 Redundant Left Acceleration Z		1.2
??ABRI01LES2ACR?	S2 Dummy Abdominal Rib 1 Left Acceleration Resultant		1.2
??ABRI01LES2ACX?	S2 Dummy Abdominal Rib 1 Left Acceleration X		1.2
??ABRI01LES2ACY?	S2 Dummy Abdominal Rib 1 Left Acceleration Y		1.2
??ABRI01LES2ACZ?	S2 Dummy Abdominal Rib 1 Left Acceleration Z		1.2
??ABRI01LES2DSY?	S2 Dummy Abdominal Rib 1 Left Deflection Y		1.2
??ABRI01R1S2ACR?	S2 Dummy Abdominal Rib 1 Redundant Right Acceleration Resultant		1.2
??ABRI01R1S2ACX?	S2 Dummy Abdominal Rib 1 Redundant Right Acceleration X		1.2
??ABRI01R1S2ACY?	S2 Dummy Abdominal Rib 1 Redundant Right Acceleration Y		1.2
??ABRI01R1S2ACZ?	S2 Dummy Abdominal Rib 1 Redundant Right Acceleration Z		1.2
??ABRI01RIS2ACR?	S2 Dummy Abdominal Rib 1 Right Acceleration Resultant		1.2

## Possible Channels

## S2 Dummy

Code	Description	Remarks	Valid since Version
??ABRI01RIS2ACX?	S2 Dummy Abdominal Rib 1 Right Acceleration X		1.2
??ABRI01RIS2ACY?	S2 Dummy Abdominal Rib 1 Right Acceleration Y		1.2
??ABRI01RIS2ACZ?	S2 Dummy Abdominal Rib 1 Right Acceleration Z		1.2
??ABRI01RIS2DSY?	S2 Dummy Abdominal Rib 1 Right Deflection Y		1.2
??ABRI02L1S2ACR?	S2 Dummy Abdominal Rib 2 Redundant Left Acceleration Resultant		1.2
??ABRI02L1S2ACX?	S2 Dummy Abdominal Rib 2 Redundant Left Acceleration X		1.2
??ABRI02L1S2ACY?	S2 Dummy Abdominal Rib 2 Redundant Left Acceleration Y		1.2
??ABRI02L1S2ACZ?	S2 Dummy Abdominal Rib 2 Redundant Left Acceleration Z		1.2
??ABRI02LES2ACR?	S2 Dummy Abdominal Rib 2 Left Acceleration Resultant		1.2
??ABRI02LES2ACX?	S2 Dummy Abdominal Rib 2 Left Acceleration X		1.2
??ABRI02LES2ACY?	S2 Dummy Abdominal Rib 2 Left Acceleration Y		1.2
??ABRI02LES2ACZ?	S2 Dummy Abdominal Rib 2 Left Acceleration Z		1.2
??ABRI02LES2DSY?	S2 Dummy Abdominal Rib 2 Left Deflection Y		1.2
??ABRI02R1S2ACR?	S2 Dummy Abdominal Rib 2 Redundant Right Acceleration Resultant		1.2
??ABRI02R1S2ACX?	S2 Dummy Abdominal Rib 2 Redundant Right Acceleration X		1.2
??ABRI02R1S2ACY?	S2 Dummy Abdominal Rib 2 Redundant Right Acceleration Y		1.2
??ABRI02R1S2ACZ?	S2 Dummy Abdominal Rib 2 Redundant Right Acceleration Z		1.2
??ABRI02RIS2ACR?	S2 Dummy Abdominal Rib 2 Right Acceleration Resultant		1.2
??ABRI02RIS2ACX?	S2 Dummy Abdominal Rib 2 Right Acceleration X		1.2
??ABRI02RIS2ACY?	S2 Dummy Abdominal Rib 2 Right Acceleration Y		1.2
??ABRI02RIS2ACZ?	S2 Dummy Abdominal Rib 2 Right Acceleration Z		1.2
??ABRI02RIS2DSY?	S2 Dummy Abdominal Rib 2 Right Deflection Y		1.2
??ABSP01LES2ACR?	S2 Dummy Abdominal Spine 1 Left Acceleration Resultant	Represents T12 Vertebra	1.2
??ABSP01LES2ACX?	S2 Dummy Abdominal Spine 1 Left Acceleration X	Represents T12 Vertebra	1.2
??ABSP01LES2ACY?	S2 Dummy Abdominal Spine 1 Left Acceleration Y	Represents T12 Vertebra	1.2
??ABSP01LES2ACZ?	S2 Dummy Abdominal Spine 1 Left Acceleration Z	Represents T12 Vertebra	1.2
??ABSP01RIS2ACR?	S2 Dummy Abdominal Spine 1 Right Acceleration Resultant	Represents T12 Vertebra	1.2
??ABSP01RIS2ACX?	S2 Dummy Abdominal Spine 1 Right Acceleration X	Represents T12 Vertebra	1.2
??ABSP01RIS2ACY?	S2 Dummy Abdominal Spine 1 Right Acceleration Y	Represents T12 Vertebra	1.2
??ABSP01RIS2ACZ?	S2 Dummy Abdominal Spine 1 Right Acceleration Z	Represents T12 Vertebra	1.2
??ABSP02LES2ACR?	S2 Dummy Abdominal Spine 2 Left Acceleration Resultant		1.2
??ABSP02LES2ACX?	S2 Dummy Abdominal Spine 2 Left Acceleration X		1.2
??ABSP02LES2ACY?	S2 Dummy Abdominal Spine 2 Left Acceleration Y		1.2
??ABSP02LES2ACZ?	S2 Dummy Abdominal Spine 2 Left Acceleration Z		1.2
??ABSP02RIS2ACR?	S2 Dummy Abdominal Spine 2 Right Acceleration Resultant		1.2
??ABSP02RIS2ACX?	S2 Dummy Abdominal Spine 2 Right Acceleration X		1.2
??ABSP02RIS2ACY?	S2 Dummy Abdominal Spine 2 Right Acceleration Y		1.2
??ABSP02RIS2ACZ?	S2 Dummy Abdominal Spine 2 Right Acceleration Z		1.2
??LUSP0000S2FOX?	S2 Dummy Lumbar Spine Force X		1.0
??LUSP0000S2FOY?	S2 Dummy Lumbar Spine Force Y		1.0
??LUSP0000S2FOZ?	S2 Dummy Lumbar Spine Force Z		1.0
??LUSP0000S2MOX?	S2 Dummy Lumbar Spine Moment X		1.0

## Possible Channels

## S2 Dummy

Code	Description	Remarks	Valid since Version
??LUSP0000S2MOY?	S2 Dummy	Lumbar Spine Moment Y	1.0
??LUSP0000S2MOZ?	S2 Dummy	Lumbar Spine Moment Z	1.0
??PELV0000S2ACR?	S2 Dummy	Pelvis Acceleration Resultant	1.0
??PELV0000S2ACX?	S2 Dummy	Pelvis Acceleration X	1.0
??PELV0000S2ACY?	S2 Dummy	Pelvis Acceleration Y	1.0
??PELV0000S2ACZ?	S2 Dummy	Pelvis Acceleration Z	1.0
??PELV0000S2AVX?	S2 Dummy	Pelvis Angular Velocity X	1.6
??PELV0000S2AVY?	S2 Dummy	Pelvis Angular Velocity Y	1.6
??PELV0000S2AVZ?	S2 Dummy	Pelvis Angular Velocity Z	1.6
??PELVLESUS2FOY?	S2 Dummy	Combined left Acetabulum and Iliac Force left	1.5
??PELVIRISUS2FOY?	S2 Dummy	Combined right Acetabulum and Iliac Force	1.5
??PELVPR00S2ANX?	S2 Dummy	Pelvis Angle X	quasi-static measurement for dummy positioning 1.6
??PELVPR00S2ANY?	S2 Dummy	Pelvis Angle Y	quasi-static measurement for dummy positioning 1.6
??ACTBLE00S2FOY?	S2 Dummy	Acetabulum Left Force Y	1.0
??ACTBRI00S2FOY?	S2 Dummy	Acetabulum Right Force Y	1.0
??ILACLE00S2FOY?	S2 Dummy	Iliac Wing Left Force Y	1.0
??ILACRI00S2FOY?	S2 Dummy	Iliac Wing Right Force Y	1.0
??PUBC0000S2FOY?	S2 Dummy	Pubic Symphysis Force Y	1.0
??FEMRLE00S2FOX?	S2 Dummy	Femur Left Force X	1.0
??FEMRLE00S2FOY?	S2 Dummy	Femur Left Force Y	1.0
??FEMRLE00S2FOZ?	S2 Dummy	Femur Left Force Z	1.0
??FEMRLE00S2MOX?	S2 Dummy	Femur Left Moment X	1.0
??FEMRLE00S2MOY?	S2 Dummy	Femur Left Moment Y	1.0
??FEMRLE00S2MOZ?	S2 Dummy	Femur Left Moment Z	1.0
??FEMRLEDUS2FOZ?	S2 Dummy	Femur Left Duration Force Z	1.0
??FEMRLEUPS2ACR?	S2 Dummy	Femur Left Upper Acceleration Resultant	1.0
??FEMRLEUPS2ACX?	S2 Dummy	Femur Left Upper Acceleration X	1.0
??FEMRLEUPS2ACY?	S2 Dummy	Femur Left Upper Acceleration Y	1.0
??FEMRLEUPS2ACZ?	S2 Dummy	Femur Left Upper Acceleration Z	1.0
??FEMRLEUPS2FOY?	S2 Dummy	Femur Left Upper Force Y	1.0
??FEMRRI00S2FOX?	S2 Dummy	Femur Right Force X	1.0
??FEMRRI00S2FOY?	S2 Dummy	Femur Right Force Y	1.0
??FEMRRI00S2FOZ?	S2 Dummy	Femur Right Force Z	1.0
??FEMRRI00S2MOX?	S2 Dummy	Femur Right Moment X	1.0
??FEMRRI00S2MOY?	S2 Dummy	Femur Right Moment Y	1.0
??FEMRRI00S2MOZ?	S2 Dummy	Femur Right Moment Z	1.0
??FEMRRIDUS2FOZ?	S2 Dummy	Femur Right Duration Force Z	1.0
??FEMRRIUPS2ACR?	S2 Dummy	Femur Right Upper Acceleration Resultant	1.0
??FEMRRIUPS2ACX?	S2 Dummy	Femur Right Upper Acceleration X	1.0
??FEMRRIUPS2ACY?	S2 Dummy	Femur Right Upper Acceleration Y	1.0
??FEMRRIUPS2ACZ?	S2 Dummy	Femur Right Upper Acceleration Z	1.0
??FEMRRIUPS2FOY?	S2 Dummy	Femur Right Upper Force Y	1.0
??CLEVLEINS2FOZ?	S2 Dummy	Knee Clevis Left Inner Z	1.0
??CLEVLEOUS2FOZ?	S2 Dummy	Knee Clevis Left Outer Z	1.0
??CLEVRIINS2FOZ?	S2 Dummy	Knee Clevis Right Inner Z	1.0
??CLEVRIOUS2FOZ?	S2 Dummy	Knee Clevis Right Outer Z	1.0
??TIRALLFZS200Z?	S2 Dummy	Tibia Ratio Left Lower Force	1.5
??TIRALLMRS200R?	S2 Dummy	Tibia Ratio Left Lower Moment	1.5

## Possible Channels

## S2 Dummy

Code	Description	Remarks	Valid since Version
??TIRALUFZS200Z?	S2 Dummy	Tibia Ratio Left Upper Force	1.5
??TIRALUMRS200R?	S2 Dummy	Tibia Ratio Left Upper Moment	1.5
??TIRARLFZS200Z?	S2 Dummy	Tibia Ratio Right Lower Force	1.5
??TIRARLMRS200R?	S2 Dummy	Tibia Ratio Right Lower Moment	1.5
??TIRARUFZS200Z?	S2 Dummy	Tibia Ratio Right Upper Force	1.5
??TIRARUMRS200R?	S2 Dummy	Tibia Ratio Right Upper Moment	1.5
??TIBILELOS2FOX?	S2 Dummy	Tibia Left Lower Force X	1.0
??TIBILELOS2FOY?	S2 Dummy	Tibia Left Lower Force Y	1.0
??TIBILELOS2MOX?	S2 Dummy	Tibia Left Lower Moment X	1.0
??TIBILELOS2MOY?	S2 Dummy	Tibia Left Lower Moment Y	1.0
??TIBILEUPS2FOY?	S2 Dummy	Tibia Left Upper Force Y	1.0
??TIBILEUPS2FOZ?	S2 Dummy	Tibia Left Upper Force Z	1.0
??TIBILEUPS2MOX?	S2 Dummy	Tibia Left Upper Moment X	1.0
??TIBILEUPS2MOY?	S2 Dummy	Tibia Left Upper Moment Y	1.0
??TIBIRILOS2FOX?	S2 Dummy	Tibia Right Lower Force X	1.0
??TIBIRILOS2FOY?	S2 Dummy	Tibia Right Lower Force Y	1.0
??TIBIRILOS2MOX?	S2 Dummy	Tibia Right Lower Moment X	1.0
??TIBIRILOS2MOY?	S2 Dummy	Tibia Right Lower Moment Y	1.0
??TIBIRIUPS2FOY?	S2 Dummy	Tibia Right Upper Force Y	1.0
??TIBIRIUPS2FOZ?	S2 Dummy	Tibia Right Upper Force Z	1.0
??TIBIRIUPS2MOX?	S2 Dummy	Tibia Right Upper Moment X	1.0
??TIBIRIUPS2MOY?	S2 Dummy	Tibia Right Upper Moment Y	1.0
??TIINLELOS2000?	S2 Dummy	Tibia Index Left Lower	1.0
??TIINLEUPS2000?	S2 Dummy	Tibia Index Left Upper	1.0
??TIINRILOS2000?	S2 Dummy	Tibia Index Right Lower	1.0
??TIINRIUPS2000?	S2 Dummy	Tibia Index Right Upper	1.0

## Possible Channels

## SH Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000SHACR?	SH Dummy	Head Acceleration Resultant	1.0
??HEAD0000SHACX?	SH Dummy	Head Acceleration X	1.0
??HEAD0000SHACY?	SH Dummy	Head Acceleration Y	1.0
??HEAD0000SHACZ?	SH Dummy	Head Acceleration Z	1.0
??NECKUP00SHFOX?	SH Dummy	Neck Upper Force X	1.0
??NECKUP00SHFOY?	SH Dummy	Neck Upper Force Y	1.0
??NECKUP00SHFOZ?	SH Dummy	Neck Upper Force Z	1.0
??NECKUP00SHLE0?	SH Dummy	Neck Upper Lever Arm	1.0
??NECKUP00SHMOX?	SH Dummy	Neck Upper Moment X	1.0
??NECKUP00SHMOY?	SH Dummy	Neck Upper Moment Y	1.0
??NECKUP00SHMOZ?	SH Dummy	Neck Upper Moment Z	1.0
??NECKUPDNSHFOX?	SH Dummy	Neck Upper Duration of Loading Negative X	1.0
??NECKUPDNSHFOZ?	SH Dummy	Neck Upper Duration of Loading Negative Z	1.0
??NECKUPDPSSHFOX?	SH Dummy	Neck Upper Duration of Loading Positive X	1.0
??NECKUPDPSSHFOZ?	SH Dummy	Neck Upper Duration of Loading Positive Z	1.0
??NECKUPTOSHMOX?	SH Dummy	Neck Upper Total Moment X	1.0
??NECKUPTOSHMOY?	SH Dummy	Neck Upper Total Moment Y	1.0
??RIBSLELOSHACY?	SH Dummy	Rib Left Lower Acceleration Y	1.5
??RIBSLEUPSHACY?	SH Dummy	Rib Left Upper Acceleration Y	1.5
??RIBSRILOSHACY?	SH Dummy	Rib Right Lower Acceleration Y	1.5
??RIBSRIUPSHACY?	SH Dummy	Rib Right Upper Acceleration Y	1.5
??SPIN0100SHACR?	SH Dummy	Spine Upper (T1) Acceleration Resultant	1.0
??SPIN0100SHACX?	SH Dummy	Spine Upper (T1) Acceleration X	1.0
??SPIN0100SHACY?	SH Dummy	Spine Upper (T1) Acceleration Y	1.0
??SPIN0100SHACZ?	SH Dummy	Spine Upper (T1) Acceleration Z	1.0
??SPIN01RDSHACY?	SH Dummy	Spine Upper (T1) Redundant Acceleration Y	1.0
??SPIN1200SHACR?	SH Dummy	Spine Lower (T12) Acceleration Resultant	1.0
??SPIN1200SHACX?	SH Dummy	Spine Lower (T12) Acceleration X	1.0
??SPIN1200SHACY?	SH Dummy	Spine Lower (T12) Acceleration Y	1.0
??SPIN1200SHACZ?	SH Dummy	Spine Lower (T12) Acceleration Z	1.0
??THSP0000SHFOX?	SH Dummy	Thoracic Spine Force X	1.0
??THSP0000SHFOY?	SH Dummy	Thoracic Spine Force Y	1.0
??THSP0000SHFOZ?	SH Dummy	Thoracic Spine Force Z	1.0
??THSP0000SHMOX?	SH Dummy	Thoracic Spine Moment X	1.0
??THSP0000SHMOY?	SH Dummy	Thoracic Spine Moment Y	1.0
??CHSTLE00SHDSY?	SH Dummy	Chest Left Displacement Y	1.0
??CHSTRI00SHDSY?	SH Dummy	Chest Right Displacement Y	1.0
??ABDOLEFRSHFOY?	SH Dummy	Abdominal Left Front Force Y	1.0
??ABDOLEMISHFOY?	SH Dummy	Abdominal Left Middle Force Y	1.0
??ABDOLERESHFOY?	SH Dummy	Abdominal Left Rear Force Y	1.0
??ABDOLESUSHFOY?	SH Dummy	Abdominal Left Sum Force Y	1.0
??ABDORIFRSHFOY?	SH Dummy	Abdominal Right Front Force Y	1.0
??ABDORIMISHFOY?	SH Dummy	Abdominal Right Middle Force Y	1.0
??ABDORIRESHFOY?	SH Dummy	Abdominal Right Rear Force Y	1.0
??ABDORISUSHFOY?	SH Dummy	Abdominal Right Sum Force Y	1.0
??LUSP0000SHFOX?	SH Dummy	Lumbar Spine Force X	1.0
??LUSP0000SHFOZ?	SH Dummy	Lumbar Spine Force Z	1.0
??LUSP0000SHMOX?	SH Dummy	Lumbar Spine Moment X	1.0
??LUSP0000SHMOY?	SH Dummy	Lumbar Spine Moment Y	1.0
??LUSP0000SHMOZ?	SH Dummy	Lumbar Spine Moment Z	1.0

## Possible Channels

## SH Dummy

Code	Description	Remarks	Valid since Version
??PELV0000SHACR?	SH Dummy	Pelvis Acceleration Resultant	1.0
??PELV0000SHACX?	SH Dummy	Pelvis Acceleration X	1.0
??PELV0000SHACY?	SH Dummy	Pelvis Acceleration Y	1.0
??PELV0000SHACZ?	SH Dummy	Pelvis Acceleration Z	1.0
??PELVRD00SHACY?	SH Dummy	Pelvis Redundant Acceleration Y	1.0
??FEMRLE00SHACR?	SH Dummy	Femur Left Acceleration Resultant	1.0
??FEMRLE00SHACX?	SH Dummy	Femur Left Acceleration X	1.0
??FEMRLE00SHACY?	SH Dummy	Femur Left Acceleration Y	1.0
??FEMRLE00SHACZ?	SH Dummy	Femur Left Acceleration Z	1.0
??FEMRLE00SHFOX?	SH Dummy	Femur Left Force X	1.0
??FEMRLE00SHFOY?	SH Dummy	Femur Left Force Y	1.0
??FEMRLE00SHFOZ?	SH Dummy	Femur Left Force Z	1.0
??FEMRLE00SHMOX?	SH Dummy	Femur Left Moment X	1.0
??FEMRLE00SHMOY?	SH Dummy	Femur Left Moment Y	1.0
??FEMRLE00SHMOZ?	SH Dummy	Femur Left Moment Z	1.0
??FEMRLEDUSHFOZ?	SH Dummy	Femur Left Duration Force Z	1.0
??FEMRRI00SHACR?	SH Dummy	Femur Right Acceleration Resultant	1.0
??FEMRRI00SHACX?	SH Dummy	Femur Right Acceleration X	1.0
??FEMRRI00SHACY?	SH Dummy	Femur Right Acceleration Y	1.0
??FEMRRI00SHACZ?	SH Dummy	Femur Right Acceleration Z	1.0
??FEMRRI00SHFOX?	SH Dummy	Femur Right Force X	1.0
??FEMRRI00SHFOY?	SH Dummy	Femur Right Force Y	1.0
??FEMRRI00SHFOZ?	SH Dummy	Femur Right Force Z	1.0
??FEMRRI00SHMOX?	SH Dummy	Femur Right Moment X	1.0
??FEMRRI00SHMOY?	SH Dummy	Femur Right Moment Y	1.0
??FEMRRI00SHMOZ?	SH Dummy	Femur Right Moment Z	1.0
??FEMRRIDUSHFOZ?	SH Dummy	Femur Right Duration Force Z	1.0
??DAMPLE00SHFOY?	SH Dummy	Damper Left Force Y	1.0
??DAMPRI00SHFOY?	SH Dummy	Damper Right Force Y	1.0



## Possible Channels

## SI Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000SIACR?	SI Dummy	Head Acceleration Resultant	1.0
??HEAD0000SIACX?	SI Dummy	Head Acceleration X	1.0
??HEAD0000SIACY?	SI Dummy	Head Acceleration Y	1.0
??HEAD0000SIACZ?	SI Dummy	Head Acceleration Z	1.0
??RIBSLEL2SIACY?	SI Dummy	Rib Left Redundant Lower Acceleration Y	1.1
??RIBSLELOSIACY?	SI Dummy	Rib Left Lower Acceleration Y	1.0
??RIBSLEU1SIACY?	SI Dummy	Rib Left Redundant Upper Acceleration Y	1.1
??RIBSLEUPSIACY?	SI Dummy	Rib Left Upper Acceleration Y	1.0
??RIBSRIL2SIACY?	SI Dummy	Rib Right Redundant Lower Acceleration Y	1.1
??RIBSRILOSIACY?	SI Dummy	Rib Right Lower Acceleration Y	1.0
??RIBSRIU1SIACY?	SI Dummy	Rib Right Redundant Upper Acceleration Y	1.1
??RIBSRIUPSIACY?	SI Dummy	Rib Right Upper Acceleration Y	1.0
??SPIN0100SIACR?	SI Dummy	Spine Upper (T1) Acceleration Resultant	1.0
??SPIN0100SIACX?	SI Dummy	Spine Upper (T1) Acceleration X	1.0
??SPIN0100SIACY?	SI Dummy	Spine Upper (T1) Acceleration Y	1.0
??SPIN0100SIACZ?	SI Dummy	Spine Upper (T1) Acceleration Z	1.0
??SPIN01RDSIACY?	SI Dummy	Spine Upper (T1) Redundant Acceleration Y	1.0
??SPIN1200SIACR?	SI Dummy	Spine Lower (T12) Acceleration Resultant	1.0
??SPIN1200SIACX?	SI Dummy	Spine Lower (T12) Acceleration X	1.0
??SPIN1200SIACY?	SI Dummy	Spine Lower (T12) Acceleration Y	1.0
??SPIN1200SIACZ?	SI Dummy	Spine Lower (T12) Acceleration Z	1.0
??THSP0000SIFOX?	SI Dummy	Thoracic Spine Force X	1.0
??THSP0000SIFOY?	SI Dummy	Thoracic Spine Force Y	1.0
??THSP0000SIFOZ?	SI Dummy	Thoracic Spine Force Z	1.0
??THSP0000SIMOX?	SI Dummy	Thoracic Spine Moment X	1.0
??THSP0000SIMOY?	SI Dummy	Thoracic Spine Moment Y	1.0
??CHSTLE00SIDSY?	SI Dummy	Chest Left Displacement Y	1.0
??CHSTRI00SIDSY?	SI Dummy	Chest Right Displacement Y	1.0
??ABDOLEFRSIFOY?	SI Dummy	Abdominal Left Front Force Y	1.0
??ABDOLEMISIFOY?	SI Dummy	Abdominal Left Middle Force Y	1.0
??ABDOLERESIFOY?	SI Dummy	Abdominal Left Rear Force Y	1.0
??ABDOLESUSIFOY?	SI Dummy	Abdominal Left Sum Force Y	1.0
??ABDORIFRSIFOY?	SI Dummy	Abdominal Right Front Force Y	1.0
??ABDORIMISIFOY?	SI Dummy	Abdominal Right Middle Force Y	1.0
??ABDORIRESIFOY?	SI Dummy	Abdominal Right Rear Force Y	1.0
??ABDORISUSIFOY?	SI Dummy	Abdominal Right Sum Force Y	1.0
??LUSP0000SIFOX?	SI Dummy	Lumbar Spine Force X	1.0
??LUSP0000SIFOY?	SI Dummy	Lumbar Spine Force Y	1.0
??LUSP0000SIFOZ?	SI Dummy	Lumbar Spine Force Z	1.0
??LUSP0000SIMOX?	SI Dummy	Lumbar Spine Moment X	1.0
??LUSP0000SIMOY?	SI Dummy	Lumbar Spine Moment Y	1.0
??LUSP0000SIMOZ?	SI Dummy	Lumbar Spine Moment Z	1.0
??PELV0000SIACR?	SI Dummy	Pelvis Acceleration Resultant	1.0
??PELV0000SIACX?	SI Dummy	Pelvis Acceleration X	1.0
??PELV0000SIACY?	SI Dummy	Pelvis Acceleration Y	1.0
??PELV0000SIACZ?	SI Dummy	Pelvis Acceleration Z	1.0
??PELVPR00SIANX?	SI Dummy	Pelvis Angle X	quasi-static measurement for dummy positioning 1.6
??PELVPR00SIANY?	SI Dummy	Pelvis Angle Y	quasi-static measurement for dummy positioning 1.6
??PELVRD00SIACY?	SI Dummy	Pelvis Redundant Acceleration Y	1.0

## Possible Channels

## SI Dummy

Code	Description	Remarks	Valid since Version
??FEMRLE00SIACR?	SI Dummy	Femur Left Acceleration Resultant	1.0
??FEMRLE00SIACX?	SI Dummy	Femur Left Acceleration X	1.0
??FEMRLE00SIACY?	SI Dummy	Femur Left Acceleration Y	1.0
??FEMRLE00SIACZ?	SI Dummy	Femur Left Acceleration Z	1.0
??FEMRLE00SIFOX?	SI Dummy	Femur Left Force X	1.0
??FEMRLE00SIFOY?	SI Dummy	Femur Left Force Y	1.0
??FEMRLE00SIFOZ?	SI Dummy	Femur Left Force Z	1.0
??FEMRLE00SIMOX?	SI Dummy	Femur Left Moment X	1.0
??FEMRLE00SIMOY?	SI Dummy	Femur Left Moment Y	1.0
??FEMRLE00SIMOZ?	SI Dummy	Femur Left Moment Z	1.0
??FEMRLE00SIFOZ?	SI Dummy	Femur Left Duration Force Z	1.0
??FEMRRI00SIACR?	SI Dummy	Femur Right Acceleration Resultant	1.0
??FEMRRI00SIACX?	SI Dummy	Femur Right Acceleration X	1.0
??FEMRRI00SIACY?	SI Dummy	Femur Right Acceleration Y	1.0
??FEMRRI00SIACZ?	SI Dummy	Femur Right Acceleration Z	1.0
??FEMRRI00SIFOX?	SI Dummy	Femur Right Force X	1.0
??FEMRRI00SIFOY?	SI Dummy	Femur Right Force Y	1.0
??FEMRRI00SIFOZ?	SI Dummy	Femur Right Force Z	1.0
??FEMRRI00SIMOX?	SI Dummy	Femur Right Moment X	1.0
??FEMRRI00SIMOY?	SI Dummy	Femur Right Moment Y	1.0
??FEMRRI00SIMOZ?	SI Dummy	Femur Right Moment Z	1.0
??FEMRRIDUSIFOZ?	SI Dummy	Femur Right Duration Force Z	1.0
??DAMPLE00SIFOY?	SI Dummy	Damper Left Force Y	1.0
??DAMPRI00SIFOY?	SI Dummy	Damper Right Force Y	1.0

## Possible Channels

## Y2 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000Y2ACR?	Y2 Dummy	Head Acceleration Resultant	1.0
??HEAD0000Y2ACX?	Y2 Dummy	Head Acceleration X	1.0
??HEAD0000Y2ACY?	Y2 Dummy	Head Acceleration Y	1.0
??HEAD0000Y2ACZ?	Y2 Dummy	Head Acceleration Z	1.0
??HEADRE00Y2ACZ?	Y2 Dummy	Head Rear Acceleration Z	1.0
??NECKUP00Y2FOX?	Y2 Dummy	Neck Upper Force X	1.0
??NECKUP00Y2FOY?	Y2 Dummy	Neck Upper Force Y	1.0
??NECKUP00Y2FOZ?	Y2 Dummy	Neck Upper Force Z	1.0
??NECKUP00Y2MOX?	Y2 Dummy	Neck Upper Moment X	1.0
??NECKUP00Y2MOY?	Y2 Dummy	Neck Upper Moment Y	1.0
??NECKUP00Y2MOZ?	Y2 Dummy	Neck Upper Moment Z	1.0
??NECKUPCEY2000?	Y2 Dummy	Neck Upper Compression Extension	1.0
??NECKUPCFY2000?	Y2 Dummy	Neck Upper Compression Flexion	1.0
??NECKUPDNY2FOX?	Y2 Dummy	Neck Upper Duration of Loading Negative X	1.0
??NECKUPDNY2FOZ?	Y2 Dummy	Neck Upper Duration of Loading Negative Z	1.0
??NECKUPDPY2FOX?	Y2 Dummy	Neck Upper Duration of Loading Positive X	1.0
??NECKUPDPY2FOZ?	Y2 Dummy	Neck Upper Duration of Loading Positive Z	1.0
??NECKUPTEY2000?	Y2 Dummy	Neck Upper Tension Extension	1.0
??NECKUPTFY2000?	Y2 Dummy	Neck Upper Tension Flexion	1.0
??NECKLO00Y2FOX?	Y2 Dummy	Neck Lower Force X	1.0
??NECKLO00Y2FOY?	Y2 Dummy	Neck Lower Force Y	1.0
??NECKLO00Y2FOZ?	Y2 Dummy	Neck Lower Force Z	1.0
??NECKLO00Y2MOX?	Y2 Dummy	Neck Lower Moment X	1.0
??NECKLO00Y2MOY?	Y2 Dummy	Neck Lower Moment Y	1.0
??NECKLO00Y2MOZ?	Y2 Dummy	Neck Lower Moment Z	1.0
??SHLDLE00Y2FOX?	Y2 Dummy	Shoulder Left Force X	1.0
??SHLDLE00Y2FOZ?	Y2 Dummy	Shoulder Left Force Z	1.0
??SHLDRI00Y2FOX?	Y2 Dummy	Shoulder Right Force X	1.0
??SHLDRI00Y2FOZ?	Y2 Dummy	Shoulder Right Force Z	1.0
??CHST0000Y2ACR?	Y2 Dummy	Chest Acceleration Resultant	1.6
??CHST0000Y2ACX?	Y2 Dummy	Chest Acceleration X	1.6
??CHST0000Y2ACY?	Y2 Dummy	Chest Acceleration Y	1.6
??CHST0000Y2ACZ?	Y2 Dummy	Chest Acceleration Z	1.6
??CHST0000Y2VEX?	Y2 Dummy	Chest Velocity X	1.0
??LUSP0000Y2FOX?	Y2 Dummy	Lumbar Spine Force X	1.0
??LUSP0000Y2FOY?	Y2 Dummy	Lumbar Spine Force Y	1.0
??LUSP0000Y2FOZ?	Y2 Dummy	Lumbar Spine Force Z	1.0
??LUSP0000Y2MOX?	Y2 Dummy	Lumbar Spine Moment X	1.0
??LUSP0000Y2MOY?	Y2 Dummy	Lumbar Spine Moment Y	1.0
??LUSP0000Y2MOZ?	Y2 Dummy	Lumbar Spine Moment Z	1.0
??PELV0000Y2ACR?	Y2 Dummy	Pelvis Acceleration Resultant	1.0
??PELV0000Y2ACX?	Y2 Dummy	Pelvis Acceleration X	1.0
??PELV0000Y2ACY?	Y2 Dummy	Pelvis Acceleration Y	1.0
??PELV0000Y2ACZ?	Y2 Dummy	Pelvis Acceleration Z	1.0
??PUBC0000Y2FOX?	Y2 Dummy	Pubic Symphysis Force X	1.0
??PUBC0000Y2FOZ?	Y2 Dummy	Pubic Symphysis Force Z	1.0
??VCCR0000Y2VEX?	Y2 Dummy	Chest Viscous Criterion	1.0

## Possible Channels

## Y6 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000Y6ACR?	Y6 Dummy Head Acceleration Resultant		1.0
??HEAD0000Y6ACX?	Y6 Dummy Head Acceleration X		1.0
??HEAD0000Y6ACY?	Y6 Dummy Head Acceleration Y		1.0
??HEAD0000Y6ACZ?	Y6 Dummy Head Acceleration Z		1.0
??HEADRE00Y6ACZ?	Y6 Dummy Head Rear Acceleration Z		1.5
??HEADPR00Y6ANX?	Y6 Dummy Head Angle X	quasi-static measurement for dummy positioning	1.6.1
??HEADPR00Y6ANY?	Y6 Dummy Head Angle Y	quasi-static measurement for dummy positioning	1.6.1
??NECKUP00Y6FOX?	Y6 Dummy Neck Upper Force X		1.0
??NECKUP00Y6FOY?	Y6 Dummy Neck Upper Force Y		1.0
??NECKUP00Y6FOZ?	Y6 Dummy Neck Upper Force Z		1.0
??NECKUP00Y6MOX?	Y6 Dummy Neck Upper Moment X		1.0
??NECKUP00Y6MOY?	Y6 Dummy Neck Upper Moment Y		1.0
??NECKUP00Y6MOZ?	Y6 Dummy Neck Upper Moment Z		1.0
??NECKUPCEY6000?	Y6 Dummy Neck Upper Compression Extension		1.0
??NECKUPCFY6000?	Y6 Dummy Neck Upper Compression Flexion		1.0
??NECKUPDNY6FOX?	Y6 Dummy Neck Upper Duration of Loading Negative X		1.0
??NECKUPDNY6FOZ?	Y6 Dummy Neck Upper Duration of Loading Negative Z		1.0
??NECKUPDPY6FOX?	Y6 Dummy Neck Upper Duration of Loading Positive X		1.0
??NECKUPDPY6FOZ?	Y6 Dummy Neck Upper Duration of Loading Positive Z		1.0
??NECKUPTEY6000?	Y6 Dummy Neck Upper Tension Extension		1.0
??NECKUPTFY6000?	Y6 Dummy Neck Upper Tension Flexion		1.0
??NECKLO00Y6FOX?	Y6 Dummy Neck Lower Force X		1.0
??NECKLO00Y6FOY?	Y6 Dummy Neck Lower Force Y		1.0
??NECKLO00Y6FOZ?	Y6 Dummy Neck Lower Force Z		1.0
??NECKLO00Y6MOX?	Y6 Dummy Neck Lower Moment X		1.0
??NECKLO00Y6MOY?	Y6 Dummy Neck Lower Moment Y		1.0
??NECKLO00Y6MOZ?	Y6 Dummy Neck Lower Moment Z		1.0
??SHLDLE00Y6FOX?	Y6 Dummy Shoulder Left Force X		1.0
??SHLDLE00Y6FOZ?	Y6 Dummy Shoulder Left Force Z		1.0
??SHLDRI00Y6FOX?	Y6 Dummy Shoulder Right Force X		1.0
??SHLDRI00Y6FOZ?	Y6 Dummy Shoulder Right Force Z		1.0
??SPIN0100Y6ACR?	Y6 Dummy Spine Upper (T1) Acceleration Resultant		1.0
??SPIN0100Y6ACX?	Y6 Dummy Spine Upper (T1) Acceleration X		1.0
??SPIN0100Y6ACY?	Y6 Dummy Spine Upper (T1) Acceleration Y		1.0
??SPIN0100Y6ACZ?	Y6 Dummy Spine Upper (T1) Acceleration Z		1.0
??SPIN1200Y6ACR?	Y6 Dummy Spine Lower (T12) Acceleration Resultant		1.0
??SPIN1200Y6ACX?	Y6 Dummy Spine Lower (T12) Acceleration X		1.0
??SPIN1200Y6ACY?	Y6 Dummy Spine Lower (T12) Acceleration Y		1.0
??SPIN1200Y6ACZ?	Y6 Dummy Spine Lower (T12) Acceleration Z		1.0
??THSP0000Y6TE0?	Y6 Dummy Thoracic Spine Temperature		1.6
??THSPPR00Y6ANX?	Y6 Dummy Thoracic Spine Angle X	quasi-static measurement for dummy positioning	1.6.1
??THSPPR00Y6ANY?	Y6 Dummy Thoracic Spine Angle Y	quasi-static measurement for dummy positioning	1.6.1
??CHST0000Y6ACR?	Y6 Dummy Chest Acceleration Resultant		1.5
??CHST0000Y6ACX?	Y6 Dummy Chest Acceleration X		1.5
??CHST0000Y6ACY?	Y6 Dummy Chest Acceleration Y		1.5
??CHST0000Y6ACZ?	Y6 Dummy Chest Acceleration Z		1.5
??CHST0000Y6DSX?	Y6 Dummy Chest Displacement X		1.0
??CHST0000Y6VEX?	Y6 Dummy Chest Velocity X		1.0

## Possible Channels

## Y6 Dummy

Code	Description	Remarks	Valid since Version
??CHST0003Y6DSX?	Y6 Dummy	Chest Displacement X (cubic Polynom)	1.6
??STRNUP00Y6ACX?	Y6 Dummy	Sternum Upper Acceleration X	1.0
??STRNUP00Y6DSX?	Y6 Dummy	Sternum Upper Displacement X	1.0
??STRNLO00Y6ACX?	Y6 Dummy	Sternum Lower Acceleration X	1.0
??STRNLO00Y6DSX?	Y6 Dummy	Sternum Lower Displacement X	1.0
??LUSP0000Y6FOX?	Y6 Dummy	Lumbar Spine Force X	1.2
??LUSP0000Y6FOY?	Y6 Dummy	Lumbar Spine Force Y	1.0
??LUSP0000Y6FOZ?	Y6 Dummy	Lumbar Spine Force Z	1.2
??LUSP0000Y6MOX?	Y6 Dummy	Lumbar Spine Moment X	1.2
??LUSP0000Y6MOY?	Y6 Dummy	Lumbar Spine Moment Y	1.2
??LUSP0000Y6MOZ?	Y6 Dummy	Lumbar Spine Moment Z	1.2
??PELV0000Y6ACR?	Y6 Dummy	Pelvis Acceleration Resultant	1.0
??PELV0000Y6ACX?	Y6 Dummy	Pelvis Acceleration X	1.0
??PELV0000Y6ACY?	Y6 Dummy	Pelvis Acceleration Y	1.0
??PELV0000Y6ACZ?	Y6 Dummy	Pelvis Acceleration Z	1.0
??ACTBLE00Y6FOY?	Y6 Dummy	Acetabulum Left Force Y	1.0
??ACTBRI00Y6FOY?	Y6 Dummy	Acetabulum Right Force Y	1.0
??ILACLE00Y6DSZ?	Y6 Dummy	Iliac-Lap Belt Left Distance Z	calculated from force measurement of A.S.I.S 1.1
??ILACLELOY6FOX?	Y6 Dummy	Iliac Left Lower Force X	1.0
??ILACLESUY6FOX?	Y6 Dummy	Iliac Left Total Force X	1.0
??ILACLEUPY6FOX?	Y6 Dummy	Iliac Left Upper Force X	1.0
??ILACRI00Y6DSZ?	Y6 Dummy	Iliac-Lap Belt Right Distance Z	calculated from force measurement of A.S.I.S 1.1
??ILACRILOY6FOX?	Y6 Dummy	Iliac Right Lower Force X	1.0
??ILACRISUY6FOX?	Y6 Dummy	Iliac Right Total Force X	1.0
??ILACRIUPY6FOX?	Y6 Dummy	Iliac Right Upper Force X	1.0
??PUBC0000Y6FOX?	Y6 Dummy	Pubic Symphysis Force X	1.0
??PUBC0000Y6FOZ?	Y6 Dummy	Pubic Symphysis Force Z	1.0
??VCCR0000Y6VEX?	Y6 Dummy	Chest Viscous Criterion	1.0
??VCCRUP00Y6VEX?	Y6 Dummy	Sternum Viscous Criterion Upper	1.0
??VCCRLO00Y6VEX?	Y6 Dummy	Sternum Viscous Criterion Lower	1.0

## Possible Channels

## Y7 Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000Y7ACR?	Y7 Dummy Head Acceleration Resultant		1.0
??HEAD0000Y7ACX?	Y7 Dummy Head Acceleration X		1.0
??HEAD0000Y7ACY?	Y7 Dummy Head Acceleration Y		1.0
??HEAD0000Y7ACZ?	Y7 Dummy Head Acceleration Z		1.0
??HEADPR00Y7ANX?	Y7 Dummy Head Angle X	quasi-static measurement for dummy positioning	1.6.1
??HEADPR00Y7ANY?	Y7 Dummy Head Angle Y	quasi-static measurement for dummy positioning	1.6.1
??NECKUP00Y7FOX?	Y7 Dummy Neck Upper Force X		1.0
??NECKUP00Y7FOY?	Y7 Dummy Neck Upper Force Y		1.0
??NECKUP00Y7FOZ?	Y7 Dummy Neck Upper Force Z		1.0
??NECKUP00Y7LE0?	Y7 Dummy Neck Upper Lever Arm		1.0
??NECKUP00Y7MOX?	Y7 Dummy Neck Upper Moment X		1.0
??NECKUP00Y7MOY?	Y7 Dummy Neck Upper Moment Y		1.0
??NECKUP00Y7MOZ?	Y7 Dummy Neck Upper Moment Z		1.0
??NECKUPCEY7000?	Y7 Dummy Neck Upper Compression Extension		1.0
??NECKUPCFY7000?	Y7 Dummy Neck Upper Compression Flexion		1.0
??NECKUPDNY7FOX?	Y7 Dummy Neck Upper Duration of Loading Negative X		1.0
??NECKUPDNY7FOZ?	Y7 Dummy Neck Upper Duration of Loading Negative Z		1.0
??NECKUPDPY7FOX?	Y7 Dummy Neck Upper Duration of Loading Positive X		1.0
??NECKUPDPY7FOZ?	Y7 Dummy Neck Upper Duration of Loading Positive Z		1.0
??NECKUPTEY7000?	Y7 Dummy Neck Upper Tension Extension		1.0
??NECKUPTFY7000?	Y7 Dummy Neck Upper Tension Flexion		1.0
??NECKUPTOY7MOX?	Y7 Dummy Neck Upper Total Moment X		1.0
??NECKUPTOY7MOY?	Y7 Dummy Neck Upper Total Moment Y		1.0
??NECKLO00Y7FOX?	Y7 Dummy Neck Lower Force X		1.0
??NECKLO00Y7FOY?	Y7 Dummy Neck Lower Force Y		1.0
??NECKLO00Y7FOZ?	Y7 Dummy Neck Lower Force Z		1.0
??NECKLO00Y7LEX?	Y7 Dummy Neck Lower Lever Arm X		1.0
??NECKLO00Y7LEZ?	Y7 Dummy Neck Lower Lever Arm Z		1.0
??NECKLO00Y7MOX?	Y7 Dummy Neck Lower Moment X		1.0
??NECKLO00Y7MOY?	Y7 Dummy Neck Lower Moment Y		1.0
??NECKLO00Y7MOZ?	Y7 Dummy Neck Lower Moment Z		1.0
??NECKLOTOY7MOX?	Y7 Dummy Neck Lower Total Moment X		1.0
??NECKLOTOY7MOY?	Y7 Dummy Neck Lower Total Moment Y		1.0
??NECKLOTOY7MOZ?	Y7 Dummy Neck Lower Total Moment Z		1.0
??SPINUP00Y7ACX?	Y7 Dummy Spine Upper Acceleration X		1.0
??SPINLO00Y7ACX?	Y7 Dummy Spine Lower Acceleration X		1.0
??THSP0000Y7TE0?	Y7 Dummy Thoracic Spine Temperature		1.6
??THSPPR00Y7ANX?	Y7 Dummy Thoracic Spine Angle X	quasi-static measurement for dummy positioning	1.6.1
??THSPPR00Y7ANY?	Y7 Dummy Thoracic Spine Angle Y	quasi-static measurement for dummy positioning	1.6.1
??CHST0000Y7ACR?	Y7 Dummy Chest Acceleration Resultant		1.0
??CHST0000Y7ACX?	Y7 Dummy Chest Acceleration X		1.0
??CHST0000Y7ACY?	Y7 Dummy Chest Acceleration Y		1.0
??CHST0000Y7ACZ?	Y7 Dummy Chest Acceleration Z		1.0
??CHST0000Y7DSX?	Y7 Dummy Chest Displacement X		1.0
??CHST0000Y7VEX?	Y7 Dummy Chest Velocity X		1.0
??CHST0003Y7DSX?	Y7 Dummy Chest Displacement X (cubic Polynom)		1.6
??STRNUP00Y7ACX?	Y7 Dummy Sternum Upper Acceleration X		1.0
??STRNUP00Y7DSX?	Y7 Dummy Sternum Upper Displacement X		1.0

## Possible Channels

## Y7 Dummy

Code	Description	Remarks	Valid since Version
??STRNLO00Y7ACX?	Y7 Dummy	Sternum Lower Acceleration X	1.0
??STRNLO00Y7DSX?	Y7 Dummy	Sternum Lower Displacement X	1.0
??LUSP0000Y7FOX?	Y7 Dummy	Lumbar Spine Force X	1.0
??LUSP0000Y7FOY?	Y7 Dummy	Lumbar Spine Force Y	1.0
??LUSP0000Y7FOZ?	Y7 Dummy	Lumbar Spine Force Z	1.0
??LUSP0000Y7MOX?	Y7 Dummy	Lumbar Spine Moment X	1.0
??LUSP0000Y7MOY?	Y7 Dummy	Lumbar Spine Moment Y	1.0
??LUSP0000Y7MOZ?	Y7 Dummy	Lumbar Spine Moment Z	1.0
??PELV0000Y7ACR?	Y7 Dummy	Pelvis Acceleration Resultant	1.0
??PELV0000Y7ACX?	Y7 Dummy	Pelvis Acceleration X	1.0
??PELV0000Y7ACY?	Y7 Dummy	Pelvis Acceleration Y	1.0
??PELV0000Y7ACZ?	Y7 Dummy	Pelvis Acceleration Z	1.0
??ILACLE00Y7DSZ?	Y7 Dummy	Iliac-Lap Belt Left Distance Z	calculated from force measurement of A.S.I.S 1.6.1
??ILACLE00Y7FOX?	Y7 Dummy	Iliac Left Force X	1.0
??ILACLELOY7FOX?	Y7 Dummy	Iliac Left LowerForce X	1.6.1
??ILACLESUY7FOX?	Y7 Dummy	Iliac Left Total Force X	1.6.1
??ILACLEUPY7FOX?	Y7 Dummy	Iliac Left Upper Force X	1.6.1
??ILACRI00Y7DSZ?	Y7 Dummy	Iliac-Lap Belt Right Distance Z	calculated from force measurement of A.S.I.S 1.6.1
??ILACRI00Y7FOX?	Y7 Dummy	Iliac Right Force X	1.0
??ILACRILOY7FOX?	Y7 Dummy	Iliac Right LowerForce X	1.6.1
??ILACRISUY7FOX?	Y7 Dummy	Iliac Right Total Force X	1.6.1
??ILACRIUPY7FOX?	Y7 Dummy	Iliac Right Upper Force X	1.6.1
??FEMRLE00Y7FOX?	Y7 Dummy	Femur Left Force X	1.6
??FEMRLE00Y7FOY?	Y7 Dummy	Femur Left Force Y	1.6
??FEMRLE00Y7FOZ?	Y7 Dummy	Femur Left Force Z	1.0
??FEMRLE00Y7MOX?	Y7 Dummy	Femur Left Moment X	1.6
??FEMRLE00Y7MOY?	Y7 Dummy	Femur Left Moment Y	1.6
??FEMRLE00Y7MOZ?	Y7 Dummy	Femur Left Moment Z	1.6
??FEMRLEDUY7FOZ?	Y7 Dummy	Femur Left Duration Force Z	1.0
??FEMRRI00Y7FOX?	Y7 Dummy	Femur Right Force X	1.6
??FEMRRI00Y7FOY?	Y7 Dummy	Femur Right Force Y	1.6
??FEMRRI00Y7MOX?	Y7 Dummy	Femur Right Moment X	1.6
??FEMRRI00Y7MOY?	Y7 Dummy	Femur Right Moment Y	1.6
??FEMRRI00Y7MOZ?	Y7 Dummy	Femur Right Moment Z	1.6
??FEMRRIDUY7FOZ?	Y7 Dummy	Femur Right Duration Force Z	1.0
??VCCR0000Y7VEX?	Y7 Dummy	Chest Viscous Criterion	1.0
??VCCRUP00Y7VEX?	Y7 Dummy	Sternum Viscous Criterion Upper	1.0
??VCCRLO00Y7VEX?	Y7 Dummy	Sternum Viscous Criterion Lower	1.0

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### Possible Channels

### T1 Dummy

Code	Description	Remarks	Valid since Version
??CHSTOU??T1DSX?	T1 Dummy	Chest Displacement Outer X	1.6
??PELVOU??T1DSX?	T1 Dummy	Pelvis Displacement Outer X	1.6



**Possible Channels****Pedestrian PA**

Code	Description	Remarks	Valid since Version
<b>DOHEAD0000PAACR?</b>	Pedestrian PA Head Form Adult Acceleration Resultant		1.4
<b>DOHEAD0000PAACX?</b>	Pedestrian PA Head Form Adult Acceleration X		1.4
<b>DOHEAD0000PAACY?</b>	Pedestrian PA Head Form Adult Acceleration Y		1.4
<b>DOHEAD0000PAACZ?</b>	Pedestrian PA Head Form Adult Acceleration Z		1.4
<b>DOHEAD0000PAANX?</b>	Pedestrian PA Headform Rotation Around X	from filmanalysis	1.6
<b>DOHEAD0000PAANY?</b>	Pedestrian PA Headform Rotation Around Y	from filmanalysis	1.6
<b>DOHEAD0000PAANZ?</b>	Pedestrian PA Headform Rotation Around Z	from filmanalysis	1.6
<b>DOHEAD0000PADSX?</b>	Pedestrian PA Headform Position X	from filmanalysis	1.6
<b>DOHEAD0000PADSY?</b>	Pedestrian PA Headform Position Y	from filmanalysis	1.6
<b>DOHEAD0000PADSZ?</b>	Pedestrian PA Headform Position Z	from filmanalysis	1.6

**Possible Channels****Pedestrian PB**

Code	Description	Remarks	Valid since Version
DOHEAD0000PBACR?	Pedestrian PB Head Form ACEA Acceleration Resultant		1.4
DOHEAD0000PBACX?	Pedestrian PB Head Form ACEA Acceleration X		1.4
DOHEAD0000PBACY?	Pedestrian PB Head Form ACEA Acceleration Y		1.4
DOHEAD0000PBACZ?	Pedestrian PB Head Form ACEA Acceleration Z		1.4
DOHEAD0000PBANX?	Pedestrian PB Headform Rotation Around X	from filmanalysis	1.6
DOHEAD0000PBANY?	Pedestrian PB Headform Rotation Around Y	from filmanalysis	1.6
DOHEAD0000PBANZ?	Pedestrian PB Headform Rotation Around Z	from filmanalysis	1.6
DOHEAD0000PBDSX?	Pedestrian PB Headform Position X	from filmanalysis	1.6
DOHEAD0000PBDSY?	Pedestrian PB Headform Position Y	from filmanalysis	1.6
DOHEAD0000PBDSZ?	Pedestrian PB Headform Position Z	from filmanalysis	1.6

**Possible Channels****Pedestrian PC**

<b>Code</b>	<b>Description</b>	<b>Remarks</b>	<b>Valid since Version</b>
<b>DOHEAD0000PCACR?</b>	Pedestrian PC Head Form Child Acceleration Resultant	use for small and also for bigger child headform with 2,5kg weight	1.4
<b>DOHEAD0000PCACX?</b>	Pedestrian PC Head Form Child Acceleration X	use for small and also for bigger child headform with 2,5kg weight	1.4
<b>DOHEAD0000PCACY?</b>	Pedestrian PC Head Form Child Acceleration Y	use for small and also for bigger child headform with 2,5kg weight	1.4
<b>DOHEAD0000PCACZ?</b>	Pedestrian PC Head Form Child Acceleration Z	use for small and also for bigger child headform with 2,5kg weight	1.4
<b>DOHEAD0000PCANX?</b>	Pedestrian PC Headform Rotation Around X	from filmanalysis	1.6
<b>DOHEAD0000PCANY?</b>	Pedestrian PC Headform Rotation Around Y	from filmanalysis	1.6
<b>DOHEAD0000PCANZ?</b>	Pedestrian PC Headform Rotation Around Z	from filmanalysis	1.6
<b>DOHEAD0000PCDSX?</b>	Pedestrian PC Headform Position X	from filmanalysis	1.6
<b>DOHEAD0000PCDSY?</b>	Pedestrian PC Headform Position Y	from filmanalysis	1.6
<b>DOHEAD0000PCDSZ?</b>	Pedestrian PC Headform Position Z	from filmanalysis	1.6

**Possible Channels****Pedestrian PJ**

Code	Description	Remarks	Valid since Version
DOHEAD0000PJACR?	Pedestrian PJ Head Form JARI Acceleration Resultant		1.4
DOHEAD0000PJACX?	Pedestrian PJ Head Form JARI Acceleration X		1.4
DOHEAD0000PJACY?	Pedestrian PJ Head Form JARI Acceleration Y		1.4
DOHEAD0000PJACZ?	Pedestrian PJ Head Form JARI Acceleration Z		1.4
DOHEAD0000PJANX?	Pedestrian PJ Headform Rotation Around X	from filmanalysis	1.6
DOHEAD0000PJANY?	Pedestrian PJ Headform Rotation Around Y	from filmanalysis	1.6
DOHEAD0000PJANZ?	Pedestrian PJ Headform Rotation Around Z	from filmanalysis	1.6
DOHEAD0000PJDSX?	Pedestrian PJ Headform Position X	from filmanalysis	1.6
DOHEAD0000PJDSY?	Pedestrian PJ Headform Position Y	from filmanalysis	1.6
DOHEAD0000PJDSZ?	Pedestrian PJ Headform Position Z	from filmanalysis	1.6

**Possible Channels****Pedestrian PS**

Code	Description	Remarks	Valid since Version
<b>DOHEAD0000PSACR?</b>	Pedestrian PS Head Form JARI Child Acceleration Resultant		1.4
<b>DOHEAD0000PSACX?</b>	Pedestrian PS Head Form JARI Child Acceleration X		1.4
<b>DOHEAD0000PSACY?</b>	Pedestrian PS Head Form JARI Child Acceleration Y		1.4
<b>DOHEAD0000PSACZ?</b>	Pedestrian PS Head Form JARI Child Acceleration Z		1.4
<b>DOHEAD0000PSANX?</b>	Pedestrian PS Headform Rotation Around X	from filmanalysis	1.6
<b>DOHEAD0000PSANY?</b>	Pedestrian PS Headform Rotation Around Y	from filmanalysis	1.6
<b>DOHEAD0000PSANZ?</b>	Pedestrian PS Headform Rotation Around Z	from filmanalysis	1.6
<b>DOHEAD0000PSDSX?</b>	Pedestrian PS Headform Position X	from filmanalysis	1.6
<b>DOHEAD0000PSDSY?</b>	Pedestrian PS Headform Position Y	from filmanalysis	1.6
<b>DOHEAD0000PSDSZ?</b>	Pedestrian PS Headform Position Z	from filmanalysis	1.6

**Possible Channels**

**Pedestrian PU**

Code	Description	Remarks	Valid since Version
D0FEMRUP00PUFOX?	Pedestrian PU Upper Femur Shear Force X		1.4
D0FEMRUP00PUMOY?	Pedestrian PU Upper Bending Moment Y		1.4
D0FEMRLO00PUFOX?	Pedestrian PU Lower Femur Shear Force X		1.4
D0FEMRLO00PUMOY?	Pedestrian PU Lower Bending Moment Y		1.4
D0FEMRMI00PUMOY?	Pedestrian PU Middle Bending Moment Y		1.4
D0FEMRSU00PUFOX?	Pedestrian PU Sum of Femur Shear Force X		1.4

**Possible Channels****Headform FH**

<b>Code</b>	<b>Description</b>	<b>Remarks</b>	<b>Valid since Version</b>
<b>DOHEAD0000FHACR?</b>	Headform FH	Free Motion Headform Acceleration Resultant	1.6
<b>DOHEAD0000FHACX?</b>	Headform FH	Free Motion Headform Acceleration X	1.6
<b>DOHEAD0000FHACY?</b>	Headform FH	Free Motion Headform Acceleration Y	1.6
<b>DOHEAD0000FHACZ?</b>	Headform FH	Free Motion Headform Acceleration Z	1.6

**Possible Channels**

**Headform HE**

Code	Description	Remarks	Valid since Version
DOHEAD0000HEACR?	Headform HE	Headform Acceleration Resultant	1.6
DOHEAD0000HEACX?	Headform HE	Headform Acceleration X	1.6
DOHEAD0000HEACY?	Headform HE	Headform Acceleration Y	1.6
DOHEAD0000HEACZ?	Headform HE	Headform Acceleration Z	1.6
DOHEAD0000HEVEX?	Headform HE	Headform Velocity X	1.6



**Possible Channels****Headform HH**

Code	Description	Remarks	Valid since Version
<b>DOHEAD0000HHACR?</b>	Headform HH	Hemisphere Headform Acceleration Resultant	1.6
<b>DOHEAD0000HHACX?</b>	Headform HH	Hemisphere Headform Acceleration X	1.6
<b>DOHEAD0000HHACY?</b>	Headform HH	Hemisphere Headform Acceleration Y	1.6
<b>DOHEAD0000HHACZ?</b>	Headform HH	Hemisphere Headform Acceleration Z	1.6
<b>DOHEAD0000HHVEX?</b>	Headform HH	Hemisphere Headform Velocity X	1.6

## Possible Channels

## Pedestrian PL

Code	Description	Remarks	Valid since Version
D0FEMR0000PLANY?	Pedestrian PL Femur Angle Measurement Y	needed for shear displacement calculation: D0KNEE0000PLDSXC	1.5
D0FEMR0000PLVDX?	Pedestrian PL Impact Velocity		1.5
D0FEMR0001PLANY?	Pedestrian PL Flightpath Angle - Longitudinal Plane XZ		1.5
D0FEMR0001PLANZ?	Pedestrian PL Flightpath Angle - Longitudinal Plane XY		1.5
D0KNEE0000PLANY?	Pedestrian PL Knee Bending Angle Y	calculated from: D0TIBI0000PLANYC	1.5
D0KNEE0000PLDSX?	Pedestrian PL Knee Shear Displacement X	calculated from: D0FEMR0000PLANYC	1.4
D0TIBIUP00PLACX?	Pedestrian PL Tibia Acceleration X		1.5
D0TIBIUP00PLANY?	Pedestrian PL Tibia Angle Y	needed for calculation of effective knee bending angle: D?KNEE0000PLANYC	1.5
D0TIBIUP00PLDSX?	Pedestrian PL Indentation at hit Point		1.5

## Possible Channels

## Pedestrian PF

Code	Description	Remarks	Valid since Version
??FEMRUP00PFMOX?	Pedestrian PF Femur Upper Moment X	standard	1.6
??FEMRLO00PFACX?	Pedestrian PF Femur Lower Acceleration X	optional	1.6
??FEMRLO00PFACY?	Pedestrian PF Femur Lower Acceleration Y	optional	1.6
??FEMRLO00PFACZ?	Pedestrian PF Femur Lower Acceleration Z	optional	1.6
??FEMRLO00PFAVX?	Pedestrian PF Femur Lower Angular Velocity X	optional	1.6
??FEMRLO00PFAVY?	Pedestrian PF Femur Lower Angular Velocity Y	optional	1.6
??FEMRLO00PFAVZ?	Pedestrian PF Femur Lower Angular Velocity Z	optional	1.6
??FEMRLO00PFMOX?	Pedestrian PF Femur Lower Moment X	standard	1.6
??FEMRMI00PFMOX?	Pedestrian PF Femur Middle Moment X	standard	1.6
??FEMRTP00PFACX?	Pedestrian PF Femur Top Acceleration X	optional	1.6
??FEMRTP00PFACY?	Pedestrian PF Femur Top Acceleration Y	optional	1.6
??FEMRTP00PFACZ?	Pedestrian PF Femur Top Acceleration Z	optional	1.6
??FEMR0100PFACY?	Pedestrian PF Femur Segment 1 Acceleration Y	optional	1.6
??FEMR0200PFACY?	Pedestrian PF Femur Segment 2 Acceleration Y	optional	1.6
??FEMR0300PFACY?	Pedestrian PF Femur Segment 3 Acceleration Y	optional	1.6
??FEMR0400PFACY?	Pedestrian PF Femur Segment 4 Acceleration Y	optional	1.6
??FEMR0500PFACY?	Pedestrian PF Femur Segment 5 Acceleration Y	optional	1.6
??FEMR0600PFACY?	Pedestrian PF Femur Segment 6 Acceleration Y	optional	1.6
??KNEE0000PFAC0?	Pedestrian PF Knee Acceleration Y	optional	1.6
??KNEEAC00PFDS0?	Pedestrian PF Knee ACL Elongation	standard	1.6
??KNEELC00PFDS0?	Pedestrian PF Knee LCL Elongation	standard	1.6
??KNEEMC00PFDS0?	Pedestrian PF Knee MCL Elongation	standard	1.6
??KNEEPC00PFDS0?	Pedestrian PF Knee PCL Elongation	standard	1.6
??TIBIUP00PFACX?	Pedestrian PF Tibia Upper Acceleration X	optional	1.6
??TIBIUP00PFACY?	Pedestrian PF Tibia Upper Acceleration Y	optional	1.6
??TIBIUP00PFACZ?	Pedestrian PF Tibia Upper Acceleration Z	optional	1.6
??TIBIUP00PFAVX?	Pedestrian PF Tibia Upper Angular Velocity X	optional	1.6
??TIBIUP00PFAVY?	Pedestrian PF Tibia Upper Angular Velocity Y	optional	1.6
??TIBIUP00PFAVZ?	Pedestrian PF Tibia Upper Angular Velocity Z	optional	1.6
??TIBIUP00PFMOX?	Pedestrian PF Tibia Upper Moment X	standard	1.6
??TIBIBO00PFACX?	Pedestrian PF Tibia Bottom Acceleration X	optional	1.6
??TIBIBO00PFACY?	Pedestrian PF Tibia Bottom Acceleration Y	optional	1.6
??TIBIBO00PFACZ?	Pedestrian PF Tibia Bottom Acceleration Z	optional	1.6
??TIBILO00PFMOX?	Pedestrian PF Tibia Lower Moment X	standard	1.6
??TIBIMILOPFMOX?	Pedestrian PF Tibia Middle Lower Moment X	standard	1.6
??TIBIMIUPPFMOX?	Pedestrian PF Tibia Middle Upper Moment X	standard	1.6
??TIBI0100PFACY?	Pedestrian PF Tibia Segment 1 Acceleration Y	optional	1.6
??TIBI0200PFACY?	Pedestrian PF Tibia Segment 2 Acceleration Y	optional	1.6
??TIBI0300PFACY?	Pedestrian PF Tibia Segment 3 Acceleration Y	optional	1.6
??TIBI0400PFACY?	Pedestrian PF Tibia Segment 4 Acceleration Y	optional	1.6
??TIBI0500PFACY?	Pedestrian PF Tibia Segment 5 Acceleration Y	optional	1.6
??TIBI0600PFACY?	Pedestrian PF Tibia Segment 6 Acceleration Y	optional	1.6
??TIBI0700PFACY?	Pedestrian PF Tibia Segment 7 Acceleration Y	optional	1.6
??TIBI0800PFACY?	Pedestrian PF Tibia Segment 8 Acceleration Y	optional	1.6

## Possible Channels

## WS Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000WSAAR?	WS Dummy	Head Angular Acceleration Resultant	1.6
??HEAD0000WSAAX?	WS Dummy	Head Angular Acceleration X	1.6
??HEAD0000WSAAY?	WS Dummy	Head Angular Acceleration Y	1.6
??HEAD0000WSAAZ?	WS Dummy	Head Angular Acceleration Z	1.6
??HEAD0000WSACR?	WS Dummy	Head Acceleration Resultant	1.6
??HEAD0000WSACX?	WS Dummy	Head Acceleration X	1.6
??HEAD0000WSACY?	WS Dummy	Head Acceleration Y	1.6
??HEAD0000WSACZ?	WS Dummy	Head Acceleration Z	1.6
??HEAD0000WSAVX?	WS Dummy	Head Angular Velocity X	1.6.1
??HEAD0000WSAVY?	WS Dummy	Head Angular Velocity Y	1.6.1
??HEAD0000WSAVZ?	WS Dummy	Head Angular Velocity Z	1.6.1
??HEADPR00WSANX?	WS Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6.1
??HEADPR00WSANY?	WS Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6.1
??NECKUP00WSFOX?	WS Dummy	Neck Upper Force X	1.6
??NECKUP00WSFOY?	WS Dummy	Neck Upper Force Y	1.6
??NECKUP00WSFOZ?	WS Dummy	Neck Upper Force Z	1.6
??NECKUP00WSMOX?	WS Dummy	Neck Upper Moment X	1.6
??NECKUP00WSMOY?	WS Dummy	Neck Upper Moment Y	1.6
??NECKUP00WSMOZ?	WS Dummy	Neck Upper Moment Z	1.6
??NECKUPTOWSMOX?	WS Dummy	Neck Upper Total Moment X	1.6
??NECKUPTOWSMOY?	WS Dummy	Neck Upper Total Moment Y	1.6
??NECKLO00WSFOX?	WS Dummy	Neck Lower Force X	1.6
??NECKLO00WSFOY?	WS Dummy	Neck Lower Force Y	1.6
??NECKLO00WSFOZ?	WS Dummy	Neck Lower Force Z	1.6
??NECKLO00WSMOX?	WS Dummy	Neck Lower Moment X	1.6
??NECKLO00WSMOY?	WS Dummy	Neck Lower Moment Y	1.6
??NECKLO00WSMOZ?	WS Dummy	Neck Lower Moment Z	1.6
??NECKLOTOWSMOX?	WS Dummy	Neck Lower Total Moment X	1.6
??NECKLOTOWSMOY?	WS Dummy	Neck Lower Total Moment Y	1.6
??SHLDLE00WSFOX?	WS Dummy	Shoulder Left Force X	1.6
??SHLDLE00WSFOY?	WS Dummy	Shoulder Left Force Y	1.6
??SHLDLE00WSFOZ?	WS Dummy	Shoulder Left Force Z	1.6
??SHLDRI00WSFOX?	WS Dummy	Shoulder Right Force X	1.6
??SHLDRI00WSFOY?	WS Dummy	Shoulder Right Force Y	1.6
??SHLDRI00WSFOZ?	WS Dummy	Shoulder Right Force Z	1.6
??UPARLE00WSFOX?	WS Dummy	Upper Arm Left Force X	1.6
??UPARLE00WSFOY?	WS Dummy	Upper Arm Left Force Y	1.6
??UPARLE00WSFOZ?	WS Dummy	Upper Arm Left Force Z	1.6
??UPARLE00WSMOX?	WS Dummy	Upper Arm Left Moment X	1.6
??UPARLE00WSMOY?	WS Dummy	Upper Arm Left Moment Y	1.6
??UPARLE00WSMOZ?	WS Dummy	Upper Arm Left Moment Z	1.6
??UPARLELOWWSACX?	WS Dummy	Upper Arm Left Lower Acceleration X	1.6
??UPARLELOWWSACY?	WS Dummy	Upper Arm Left Lower Acceleration Y	1.6
??UPARLELOWWSACZ?	WS Dummy	Upper Arm Left Lower Acceleration Z	1.6
??UPARLEUPWSACX?	WS Dummy	Upper Arm Left Upper Acceleration X	1.6.1
??UPARLEUPWSACY?	WS Dummy	Upper Arm Left Upper Acceleration Y	1.6.1
??UPARLEUPWSACZ?	WS Dummy	Upper Arm Left Upper Acceleration Z	1.6.1
??UPARRI00WSFOX?	WS Dummy	Upper Arm Right Force X	1.6
??UPARRI00WSFOY?	WS Dummy	Upper Arm Right Force Y	1.6

## Possible Channels

## WS Dummy

Code	Description	Remarks	Valid since Version
??UPARRI00WSFOZ?	WS Dummy Upper Arm Right Force Z		1.6
??UPARRI00WSMOX?	WS Dummy Upper Arm Right Moment X		1.6
??UPARRI00WSMOY?	WS Dummy Upper Arm Right Moment Y		1.6
??UPARRI00WSMOZ?	WS Dummy Upper Arm Right Moment Z		1.6
??UPARRI00WSACX?	WS Dummy Upper Arm Right Lower Acceleration X		1.6
??UPARRI00WSACY?	WS Dummy Upper Arm Right Lower Acceleration Y		1.6
??UPARRI00WSACZ?	WS Dummy Upper Arm Right Lower Acceleration Z		1.6
??UPARRI00WSACX?	WS Dummy Upper Arm Right Upper Acceleration X		1.6.1
??UPARRI00WSACY?	WS Dummy Upper Arm Right Upper Acceleration Y		1.6.1
??UPARRI00WSACZ?	WS Dummy Upper Arm Right Upper Acceleration Z		1.6.1
??ELBJLE00WSANY?	WS Dummy Elbow Left Angle Y		1.6
??ELBJLE00WSMOX?	WS Dummy Elbow Joint Left Moment X		1.6
??ELBJLE00WSMOY?	WS Dummy Elbow Joint Left Moment Y		1.6
??ELBJRI00WSANY?	WS Dummy Elbow Right Angle Y		1.6
??ELBJRI00WSMOX?	WS Dummy Elbow Joint Right Moment X		1.6
??ELBJRI00WSMOY?	WS Dummy Elbow Joint Right Moment Y		1.6
??FOARLE00WSFOX?	WS Dummy Lower Arm Left Force X		1.6
??FOARLE00WSFOY?	WS Dummy Lower Arm Left Force Y		1.6
??FOARLE00WSFOZ?	WS Dummy Lower Arm Left Force Z		1.6
??FOARLE00WSMOX?	WS Dummy Lower Arm Left Moment X		1.6
??FOARLE00WSMOY?	WS Dummy Lower Arm Left Moment Y		1.6
??FOARLE00WSMOZ?	WS Dummy Lower Arm Left Moment Z		1.6
??FOARLE00WSACX?	WS Dummy Lower Arm Left Lower Acceleration X		1.6
??FOARLE00WSACY?	WS Dummy Lower Arm Left Lower Acceleration Y		1.6
??FOARLE00WSACZ?	WS Dummy Lower Arm Left Lower Acceleration Z		1.6
??FOARRI00WSFOX?	WS Dummy Lower Arm Right Force X		1.6
??FOARRI00WSFOY?	WS Dummy Lower Arm Right Force Y		1.6
??FOARRI00WSFOZ?	WS Dummy Lower Arm Right Force Z		1.6
??FOARRI00WSMOX?	WS Dummy Lower Arm Right Moment X		1.6
??FOARRI00WSMOY?	WS Dummy Lower Arm Right Moment Y		1.6
??FOARRI00WSMOZ?	WS Dummy Lower Arm Right Moment Z		1.6
??FOARRI00WSACX?	WS Dummy Lower Arm Right Lower Acceleration X		1.6
??FOARRI00WSACY?	WS Dummy Lower Arm Right Lower Acceleration Y		1.6
??FOARRI00WSACZ?	WS Dummy Lower Arm Right Lower Acceleration Z		1.6
??SHRILE00WSACX?	WS Dummy Shoulder Rib Left Acceleration X		1.6
??SHRILE00WSACY?	WS Dummy Shoulder Rib Left Acceleration Y		1.6
??SHRILE00WSACZ?	WS Dummy Shoulder Rib Left Acceleration Z		1.6
??SHRILE00WSANZ?	WS Dummy Shoulder Rib Left IRTRACC Angle Z	2D-IRTRACC	1.6.1
??SHRILE00WSDS0?	WS Dummy Shoulder Rib Left Displacement 0	2D-IRTRACC	1.6.1
??SHRILE00WSDSY?	WS Dummy Shoulder Rib Left Displacement Y	1D IR-TRACC	1.6
??SHRILE00WSVO0?	WS Dummy Shoulder Rib Left IRTRACC 0	2D-IRTRACC	1.6.1
??SHRIRI00WSACX?	WS Dummy Shoulder Rib Right Acceleration X		1.6
??SHRIRI00WSACY?	WS Dummy Shoulder Rib Right Acceleration Y		1.6
??SHRIRI00WSACZ?	WS Dummy Shoulder Rib Right Acceleration Z		1.6
??SHRIRI00WSANZ?	WS Dummy Shoulder Rib Right IRTRACC Angle Z	2D-IRTRACC	1.6.1
??SHRIRI00WSDS0?	WS Dummy Shoulder Rib Right Displacement 0	2D-IRTRACC	1.6.1
??SHRIRI00WSDSY?	WS Dummy Shoulder Rib Right Displacement Y	1D IR-TRACC	1.6
??SHRIRI00WSVO0?	WS Dummy Shoulder Rib Right IRTRACC 0	2D-IRTRACC	1.6.1
??TRRILE01WSACX?	WS Dummy Thoracic Rib Left 1 Acceleration X		1.6
??TRRILE01WSACY?	WS Dummy Thoracic Rib Left 1 Acceleration Y		1.6

## Possible Channels

## WS Dummy

Code	Description	Remarks	Valid since Version
??TRRILE01WSACZ?	WS Dummy Thoracic Rib Left 1 Acceleration Z		1.6
??TRRILE01WSANZ?	WS Dummy Thoracic Rib Left 1 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??TRRILE01WSDS0?	WS Dummy Thoracic Rib Left 1 Displacement 0	2D-IRTRACC	1.6.1
??TRRILE01WSDSY?	WS Dummy Thoracic Rib Left 1 Displacement Y	1D IR-TRACC	1.6
??TRRILE01WSVO0?	WS Dummy Thoracic Rib Left 1 IRTRACC 0	2D-IRTRACC	1.6.1
??TRRILE01WSVOY?	WS Dummy Thoracic Rib Left 1 IRTRACC Y		1.6
??TRRILE02WSACX?	WS Dummy Thoracic Rib Left 2 Acceleration X		1.6
??TRRILE02WSACY?	WS Dummy Thoracic Rib Left 2 Acceleration Y		1.6
??TRRILE02WSACZ?	WS Dummy Thoracic Rib Left 2 Acceleration Z		1.6
??TRRILE02WSANZ?	WS Dummy Thoracic Rib Left 2 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??TRRILE02WSDS0?	WS Dummy Thoracic Rib Left 2 Displacement 0	2D-IRTRACC	1.6.1
??TRRILE02WSDSY?	WS Dummy Thoracic Rib Left 2 Displacement Y	1D IR-TRACC	1.6
??TRRILE02WSVO0?	WS Dummy Thoracic Rib Left 2 IRTRACC 0	2D-IRTRACC	1.6.1
??TRRILE02WSVOY?	WS Dummy Thoracic Rib Left 2 IRTRACC Y		1.6
??TRRILE03WSACX?	WS Dummy Thoracic Rib Left 3 Acceleration X		1.6
??TRRILE03WSACY?	WS Dummy Thoracic Rib Left 3 Acceleration Y		1.6
??TRRILE03WSACZ?	WS Dummy Thoracic Rib Left 3 Acceleration Z		1.6
??TRRILE03WSANZ?	WS Dummy Thoracic Rib Left 3 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??TRRILE03WSDS0?	WS Dummy Thoracic Rib Left 3 Displacement 0	2D-IRTRACC	1.6.1
??TRRILE03WSDSY?	WS Dummy Thoracic Rib Left 3 Displacement Y	1D IR-TRACC	1.6
??TRRILE03WSVO0?	WS Dummy Thoracic Rib Left 3 IRTRACC 0	2D-IRTRACC	1.6.1
??TRRILE03WSVOY?	WS Dummy Thoracic Rib Left 3 IRTRACC Y		1.6
??TRRIRI01WSACX?	WS Dummy Thoracic Rib Right 1 Acceleration X		1.6
??TRRIRI01WSACY?	WS Dummy Thoracic Rib Right 1 Acceleration Y		1.6
??TRRIRI01WSACZ?	WS Dummy Thoracic Rib Right 1 Acceleration Z		1.6
??TRRIRI01WSANZ?	WS Dummy Thoracic Rib Right 1 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??TRRIRI01WSDS0?	WS Dummy Thoracic Rib Right 1 Displacement 0	2D-IRTRACC	1.6.1
??TRRIRI01WSDSY?	WS Dummy Thoracic Rib Right 1 Displacement Y	1D IR-TRACC	1.6
??TRRIRI01WSVO0?	WS Dummy Thoracic Rib Right 1 IRTRACC 0	2D-IRTRACC	1.6.1
??TRRIRI01WSVOY?	WS Dummy Thoracic Rib Right 1 IRTRACC Y		1.6
??TRRIRI02WSACX?	WS Dummy Thoracic Rib Right 2 Acceleration X		1.6
??TRRIRI02WSACY?	WS Dummy Thoracic Rib Right 2 Acceleration Y		1.6
??TRRIRI02WSACZ?	WS Dummy Thoracic Rib Right 2 Acceleration Z		1.6
??TRRIRI02WSANZ?	WS Dummy Thoracic Rib Right 2 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??TRRIRI02WSDS0?	WS Dummy Thoracic Rib Right 2 Displacement 0	2D-IRTRACC	1.6.1
??TRRIRI02WSDSY?	WS Dummy Thoracic Rib Right 2 Displacement Y	1D IR-TRACC	1.6
??TRRIRI02WSVO0?	WS Dummy Thoracic Rib Right 2 IRTRACC 0	2D-IRTRACC	1.6.1
??TRRIRI02WSVOY?	WS Dummy Thoracic Rib Right 2 IRTRACC Y		1.6
??TRRIRI03WSACX?	WS Dummy Thoracic Rib Right 3 Acceleration X		1.6
??TRRIRI03WSACY?	WS Dummy Thoracic Rib Right 3 Acceleration Y		1.6
??TRRIRI03WSACZ?	WS Dummy Thoracic Rib Right 3 Acceleration Z		1.6
??TRRIRI03WSANZ?	WS Dummy Thoracic Rib Right 3 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??TRRIRI03WSDS0?	WS Dummy Thoracic Rib Right 3 Displacement 0	2D-IRTRACC	1.6.1
??TRRIRI03WSDSY?	WS Dummy Thoracic Rib Right 3 Displacement Y	1D IR-TRACC	1.6
??TRRIRI03WSVO0?	WS Dummy Thoracic Rib Right 3 IRTRACC 0	2D-IRTRACC	1.6.1
??TRRIRI03WSVOY?	WS Dummy Thoracic Rib Right 3 IRTRACC Y		1.6
??THSP0000WSAAX?	WS Dummy Thoracic Spine Angular Acceleration X	different from other dummies, but WS uses always THSP	1.6.1
??THSP0000WSAAZ?	WS Dummy Thoracic Spine Angular Acceleration Z	different from other dummies, but WS uses always THSP	1.6.1
??THSP0000WSTE0?	WS Dummy Thoracic Spine Temperature		1.6.1

## Possible Channels

## WS Dummy

Code	Description	Remarks	Valid since Version
??THSPPR00WSANX?	WS Dummy Thoracic Spine Angle X	quasi-static measurement for dummy positioning	1.6.1
??THSPPR00WSANY?	WS Dummy Thoracic Spine Angle Y	quasi-static measurement for dummy positioning	1.6.1
??THSP0100WSACX?	WS Dummy T1 Acceleration X	different from other dummies, but WS uses always THSP	1.6
??THSP0100WSACY?	WS Dummy T1 Acceleration Y	different from other dummies, but WS uses always THSP	1.6
??THSP0100WSACZ?	WS Dummy T1 Acceleration Z	different from other dummies, but WS uses always THSP	1.6
??THSP0100WSAVX?	WS Dummy T1 Angular Velocity X	different from other dummies, but WS uses always THSP	1.6.1
??THSP0100WSAVY?	WS Dummy T1 Angular Velocity Y	different from other dummies, but WS uses always THSP	1.6.1
??THSP0100WSAVZ?	WS Dummy T1 Angular Velocity Z	different from other dummies, but WS uses always THSP	1.6.1
??THSP0400WSACX?	WS Dummy T4 Acceleration X	different from other dummies, but WS uses always THSP	1.6
??THSP0400WSACY?	WS Dummy T4 Acceleration Y	different from other dummies, but WS uses always THSP	1.6
??THSP0400WSACZ?	WS Dummy T4 Acceleration Z	different from other dummies, but WS uses always THSP	1.6
??THSP1200WSACX?	WS Dummy T12 Acceleration X	different from other dummies, but WS uses always THSP	1.6
??THSP1200WSACY?	WS Dummy T12 Acceleration Y	different from other dummies, but WS uses always THSP	1.6
??THSP1200WSACZ?	WS Dummy T12 Acceleration Z	different from other dummies, but WS uses always THSP	1.6
??ABRILE01WSACX?	WS Dummy Abdominal Rib Left 1 Acceleration X		1.6
??ABRILE01WSACY?	WS Dummy Abdominal Rib Left 1 Acceleration Y		1.6
??ABRILE01WSACZ?	WS Dummy Abdominal Rib Left 1 Acceleration Z		1.6
??ABRILE01WSANZ?	WS Dummy Abdominal Rib Left 1 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??ABRILE01WSDS0?	WS Dummy Abdominal Rib Left 1 Displacement 0	2D-IRTRACC	1.6.1
??ABRILE01WSDSY?	WS Dummy Abdominal Rib Left 1 Displacement Y	1D IR-TRACC	1.6
??ABRILE01WSVO0?	WS Dummy Abdominal Rib Left 1 IRTRACC 0	2D-IRTRACC	1.6.1
??ABRILE01WSVOY?	WS Dummy Abdominal Rib Left 1 IRTRACC Y		1.6
??ABRILE02WSACX?	WS Dummy Abdominal Rib Left 2 Acceleration X		1.6
??ABRILE02WSACY?	WS Dummy Abdominal Rib Left 2 Acceleration Y		1.6
??ABRILE02WSACZ?	WS Dummy Abdominal Rib Left 2 Acceleration Z		1.6
??ABRILE02WSANZ?	WS Dummy Abdominal Rib Left 2 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??ABRILE02WSDS0?	WS Dummy Abdominal Rib Left 2 Displacement 0	2D-IRTRACC	1.6.1
??ABRILE02WSDSY?	WS Dummy Abdominal Rib Left 2 Displacement Y	1D IR-TRACC	1.6
??ABRILE02WSVO0?	WS Dummy Abdominal Rib Left 2 IRTRACC 0	2D-IRTRACC	1.6.1
??ABRILE02WSVOY?	WS Dummy Abdominal Rib Left 2 IRTRACC Y		1.6
??ABRIRI01WSACX?	WS Dummy Abdominal Rib Right 1 Acceleration X		1.6
??ABRIRI01WSACY?	WS Dummy Abdominal Rib Right 1 Acceleration Y		1.6
??ABRIRI01WSACZ?	WS Dummy Abdominal Rib Right 1 Acceleration Z		1.6
??ABRIRI01WSANZ?	WS Dummy Abdominal Rib Right 1 IRTRACC Angle Z	2D-IRTRACC	1.6.1
??ABRIRI01WSDS0?	WS Dummy Abdominal Rib Right 1 Displacement 0	2D-IRTRACC	1.6.1
??ABRIRI01WSDSY?	WS Dummy Abdominal Rib Right 1 Displacement Y	1D IR-TRACC	1.6
??ABRIRI01WSVO0?	WS Dummy Abdominal Rib Right 1 IRTRACC 0	2D-IRTRACC	1.6.1
??ABRIRI01WSVOY?	WS Dummy Abdominal Rib Right 1 IRTRACC Y		1.6
??ABRIRI02WSACX?	WS Dummy Abdominal Rib Right 2 Acceleration X		1.6
??ABRIRI02WSACY?	WS Dummy Abdominal Rib Right 2 Acceleration Y		1.6
??ABRIRI02WSACZ?	WS Dummy Abdominal Rib Right 2 Acceleration Z		1.6

## Possible Channels

## WS Dummy

Code	Description	Remarks	Valid since Version
??ABRIRI02WSANZ?	WS Dummy	Abdominal Rib Right 2 ITRACC Angle Z	2D-ITRACC 1.6.1
??ABRIRI02WSDS0?	WS Dummy	Abdominal Rib Right 2 Displacement 0	2D-ITRACC 1.6.1
??ABRIRI02WSDSY?	WS Dummy	Abdominal Rib Right 2 Displacement Y	1D IR-TRACC 1.6
??ABRIRI02WSVO0?	WS Dummy	Abdominal Rib Right 2 ITRACC 0	2D-ITRACC 1.6.1
??ABRIRI02WSVOY?	WS Dummy	Abdominal Rib Right 2 ITRACC Y	1.6
??LUSP0000WSFOX?	WS Dummy	Lumbar Spine Force X	1.6
??LUSP0000WSFOY?	WS Dummy	Lumbar Spine Force Y	1.6
??LUSP0000WSFOZ?	WS Dummy	Lumbar Spine Force Z	1.6
??LUSP0000WSMOX?	WS Dummy	Lumbar Spine Moment X	1.6
??LUSP0000WSMOY?	WS Dummy	Lumbar Spine Moment Y	1.6
??LUSP0000WSMOZ?	WS Dummy	Lumbar Spine Moment Z	1.6
??PELV0000WSACR?	WS Dummy	Pelvis Acceleration Resultant	1.6
??PELV0000WSACX?	WS Dummy	Pelvis Acceleration X	1.6
??PELV0000WSACY?	WS Dummy	Pelvis Acceleration Y	1.6
??PELV0000WSACZ?	WS Dummy	Pelvis Acceleration Z	1.6
??PELV0000WSAVX?	WS Dummy	Pelvis Angular Velocity X	1.6.1
??PELV0000WSAVY?	WS Dummy	Pelvis Angular Velocity Y	1.6.1
??PELV0000WSAVZ?	WS Dummy	Pelvis Angular Velocity Z	1.6.1
??PELVPR00WSANX?	WS Dummy	Pelvis Angle X	quasi-static measurement for dummy positioning 1.6.1
??PELVPR00WSANY?	WS Dummy	Pelvis Angle Y	quasi-static measurement for dummy positioning 1.6.1
??PUBC0000WSFOY?	WS Dummy	Pubic Symphysis Force Y	1.6
??SACRLE00WSFOX?	WS Dummy	Sacro-Iliac Left Force X	1.6
??SACRLE00WSFOY?	WS Dummy	Sacro-Iliac Left Force Y	1.6
??SACRLE00WSFOZ?	WS Dummy	Sacro-Iliac Left Force Z	1.6
??SACRLE00WSMOX?	WS Dummy	Sacro-Iliac Left Moment X	1.6
??SACRLE00WSMOY?	WS Dummy	Sacro-Iliac Left Moment Y	1.6
??SACRLE00WSMOZ?	WS Dummy	Sacro-Iliac Left Moment Z	1.6
??SACRRI00WSFOX?	WS Dummy	Sacro-Iliac Right Force X	1.6
??SACRRI00WSFOY?	WS Dummy	Sacro-Iliac Right Force Y	1.6
??SACRRI00WSFOZ?	WS Dummy	Sacro-Iliac Right Force Z	1.6
??SACRRI00WSMOX?	WS Dummy	Sacro-Iliac Right Moment X	1.6
??SACRRI00WSMOY?	WS Dummy	Sacro-Iliac Right Moment Y	1.6
??SACRRI00WSMOZ?	WS Dummy	Sacro-Iliac Right Moment Z	1.6
??FEACLE00WSFOX?	WS Dummy	Femur Acetabulum Left Force X	1.6
??FEACLE00WSFOY?	WS Dummy	Femur Acetabulum Left Force Y	1.6
??FEACLE00WSFOZ?	WS Dummy	Femur Acetabulum Left Force Z	1.6
??FEACLE00WSMOX?	WS Dummy	Femur Acetabulum Left Moment X	1.6.1
??FEACLE00WSMOY?	WS Dummy	Femur Acetabulum Left Moment Y	1.6.1
??FEACLE00WSMOZ?	WS Dummy	Femur Acetabulum Left Moment Z	1.6.1
??FEACRI00WSFOX?	WS Dummy	Femur Acetabulum Right Force X	1.6
??FEACRI00WSFOY?	WS Dummy	Femur Acetabulum Right Force Y	1.6
??FEACRI00WSFOZ?	WS Dummy	Femur Acetabulum Right Force Z	1.6
??FEACRI00WSMOX?	WS Dummy	Femur Acetabulum Right Moment X	1.6.1
??FEACRI00WSMOY?	WS Dummy	Femur Acetabulum Right Moment Y	1.6.1
??FEACRI00WSMOZ?	WS Dummy	Femur Acetabulum Right Moment Z	1.6.1
??FEMRLE00WSFOX?	WS Dummy	Femur Left Force X	1.6
??FEMRLE00WSFOY?	WS Dummy	Femur Left Force Y	1.6
??FEMRLE00WSFOZ?	WS Dummy	Femur Left Force Z	1.6
??FEMRLE00WSMOX?	WS Dummy	Femur Left Moment X	1.6



## Possible Channels

## WS Dummy

Code	Description	Remarks	Valid since Version
??FEMRLE00WSMOY?	WS Dummy	Femur Left Moment Y	1.6
??FEMRLE00WSMOZ?	WS Dummy	Femur Left Moment Z	1.6
??FEMRRI00WSFOX?	WS Dummy	Femur Right Force X	1.6
??FEMRRI00WSFOY?	WS Dummy	Femur Right Force Y	1.6
??FEMRRI00WSFOZ?	WS Dummy	Femur Right Force Z	1.6
??FEMRRI00WSMOX?	WS Dummy	Femur Right Moment X	1.6
??FEMRRI00WSMOY?	WS Dummy	Femur Right Moment Y	1.6
??FEMRRI00WSMOZ?	WS Dummy	Femur Right Moment Z	1.6
??KNEELE00WSANY?	WS Dummy	Knee Left Angle Y	1.6.1
??KNEELEINWSFOY?	WS Dummy	Knee Left Inner Force Y	1.6
??KNEELEOUWSFOY?	WS Dummy	Knee Left Outer Force Y	1.6
??KNEERI00WSANY?	WS Dummy	Knee Right Angle Y	1.6.1
??KNEERIINWSFOY?	WS Dummy	Knee Right Inner Force Y	1.6
??KNEERIOUWSFOY?	WS Dummy	Knee Right Outer Force Y	1.6
??TIBILELOWSF0X?	WS Dummy	Tibia Left Lower Force X	1.6
??TIBILELOWSF0Y?	WS Dummy	Tibia Left Lower Force Y	1.6
??TIBILELOWSF0Z?	WS Dummy	Tibia Left Lower Force Z	1.6
??TIBILELOWSMOX?	WS Dummy	Tibia Left Lower Moment X	1.6
??TIBILELOWSMOY?	WS Dummy	Tibia Left Lower Moment Y	1.6
??TIBILELOWSMOZ?	WS Dummy	Tibia Left Lower Moment Z	1.6
??TIBILEUPWSFOX?	WS Dummy	Tibia Left Upper Force X	1.6
??TIBILEUPWSFOY?	WS Dummy	Tibia Left Upper Force Y	1.6
??TIBILEUPWSFOZ?	WS Dummy	Tibia Left Upper Force Z	1.6
??TIBILEUPWSMOX?	WS Dummy	Tibia Left Upper Moment X	1.6
??TIBILEUPWSMOY?	WS Dummy	Tibia Left Upper Moment Y	1.6
??TIBILEUPWSMOZ?	WS Dummy	Tibia Left Upper Moment Z	1.6
??TIBIRILOWSF0X?	WS Dummy	Tibia Right Lower Force X	1.6
??TIBIRILOWSF0Y?	WS Dummy	Tibia Right Lower Force Y	1.6
??TIBIRILOWSF0Z?	WS Dummy	Tibia Right Lower Force Z	1.6
??TIBIRILOWSMOX?	WS Dummy	Tibia Right Lower Moment X	1.6
??TIBIRILOWSMOY?	WS Dummy	Tibia Right Lower Moment Y	1.6
??TIBIRILOWSMOZ?	WS Dummy	Tibia Right Lower Moment Z	1.6
??TIBIRIUPWSFOX?	WS Dummy	Tibia Right Upper Force X	1.6
??TIBIRIUPWSFOY?	WS Dummy	Tibia Right Upper Force Y	1.6
??TIBIRIUPWSFOZ?	WS Dummy	Tibia Right Upper Force Z	1.6
??TIBIRIUPWSMOX?	WS Dummy	Tibia Right Upper Moment X	1.6
??TIBIRIUPWSMOY?	WS Dummy	Tibia Right Upper Moment Y	1.6
??TIBIRIUPWSMOZ?	WS Dummy	Tibia Right Upper Moment Z	1.6
??ANKLLE00WSANX?	WS Dummy	Ankle Left Angle X	1.6
??ANKLLE00WSANY?	WS Dummy	Ankle Left Angle Y	1.6
??ANKLLE00WSANZ?	WS Dummy	Ankle Left Angle Z	1.6
??ANKLRI00WSANX?	WS Dummy	Ankle Right Angle X	1.6
??ANKLRI00WSANY?	WS Dummy	Ankle Right Angle Y	1.6
??ANKLRI00WSANZ?	WS Dummy	Ankle Right Angle Z	1.6

## Possible Channels

## ER Dummy

Code	Description	Remarks	Valid since Version
??HEAD0000ERACR?	ER Dummy	Head Acceleration Resultant	1.6
??HEAD0000ERACX?	ER Dummy	Head Acceleration X	1.6
??HEAD0000ERACY?	ER Dummy	Head Acceleration Y	1.6
??HEAD0000ERACZ?	ER Dummy	Head Acceleration Z	1.6
??HEAD0000ERAVX?	ER Dummy	Head Angular Velocity X	1.6.1
??HEAD0000ERAVY?	ER Dummy	Head Angular Velocity Y	1.6.1
??HEAD0000ERAVZ?	ER Dummy	Head Angular Velocity Z	1.6.1
??HEADUP00ERACX?	ER Dummy	Head Upper Acceleration X	1.6.1
??HEADUP00ERACY?	ER Dummy	Head Upper Acceleration Y	1.6.1
??HEADFR00ERACY?	ER Dummy	Head Front Acceleration Y	1.6.1
??HEADFR00ERACZ?	ER Dummy	Head Front Acceleration Z	1.6.1
??HEADLE00ERACX?	ER Dummy	Head Left Acceleration X	1.6.1
??HEADLE00ERACZ?	ER Dummy	Head Left Acceleration Z	1.6.1
??HEADPR00ERANX?	ER Dummy	Head Angle X	quasi-static measurement for dummy positioning 1.6.1
??HEADPR00ERANY?	ER Dummy	Head Angle Y	quasi-static measurement for dummy positioning 1.6.1
??NECKUP00ERFOX?	ER Dummy	Neck Upper Force X	1.6
??NECKUP00ERFOY?	ER Dummy	Neck Upper Force Y	1.6
??NECKUP00ERFOZ?	ER Dummy	Neck Upper Force Z	1.6
??NECKUP00ERLE0?	ER Dummy	Neck Upper Lever Arm	1.6
??NECKUP00ERMOX?	ER Dummy	Neck Upper Moment X	1.6
??NECKUP00ERMOY?	ER Dummy	Neck Upper Moment Y	1.6
??NECKUP00ERMOZ?	ER Dummy	Neck Upper Moment Z	1.6
??NECKLO00ERFOX?	ER Dummy	Neck Lower Force X	1.6
??NECKLO00ERFOY?	ER Dummy	Neck Lower Force Y	1.6
??NECKLO00ERFOZ?	ER Dummy	Neck Lower Force Z	1.6
??NECKLO00ERLEX?	ER Dummy	Neck Lower Lever Arm X	1.6
??NECKLO00ERLEZ?	ER Dummy	Neck Lower Lever Arm Z	1.6
??NECKLO00ERMOX?	ER Dummy	Neck Lower Moment X	1.6
??NECKLO00ERMOY?	ER Dummy	Neck Lower Moment Y	1.6
??NECKLO00ERMOZ?	ER Dummy	Neck Lower Moment Z	1.6
??SHLDLE00ERANZ?	ER Dummy	Shoulder Left Angle Z	1.6.1
??SHLDLE00ERFOX?	ER Dummy	Shoulder Left Force X	1.6
??SHLDLE00ERFOY?	ER Dummy	Shoulder Left Force Y	1.6
??SHLDLE00ERFOZ?	ER Dummy	Shoulder Left Force Z	1.6
??SHLDRI00ERANZ?	ER Dummy	Shoulder Right Angle Z	1.6.1
??SHLDRI00ERFOX?	ER Dummy	Shoulder Right Force X	1.6
??SHLDRI00ERFOY?	ER Dummy	Shoulder Right Force Y	1.6
??SHLDRI00ERFOZ?	ER Dummy	Shoulder Right Force Z	1.6
??RIBSLELOERACY?	ER Dummy	Rib Left Lower Acceleration Y	1.6
??RIBSLELOERDSY?	ER Dummy	Rib Left Lower Displacement Y	1.6
??RIBSLELOERVEY?	ER Dummy	Rib Left Lower Velocity Y	1.6
??RIBSLEMIERACY?	ER Dummy	Rib Left Middle Acceleration Y	1.6
??RIBSLEMIERDSY?	ER Dummy	Rib Left Middle Displacement Y	1.6
??RIBSLEMIERVEY?	ER Dummy	Rib Left Middle Velocity Y	1.6
??RIBSLEUPERACY?	ER Dummy	Rib Left Upper Acceleration Y	1.6
??RIBSLEUPERDSY?	ER Dummy	Rib Left Upper Displacement Y	1.6
??RIBSLEUPERVEY?	ER Dummy	Rib Left Upper Velocity Y	1.6
??RIBSRILOERACY?	ER Dummy	Rib Right Lower Acceleration Y	1.6
??RIBSRILOERDSY?	ER Dummy	Rib Right Lower Displacement Y	1.6

## Possible Channels

## ER Dummy

Code	Description	Remarks	Valid since Version
??RIBSRILOVERVEY?	ER Dummy	Rib Right Lower Velocity Y	1.6
??RIBSRIMIERACY?	ER Dummy	Rib Right Middle Acceleration Y	1.6
??RIBSRIMIERDSY?	ER Dummy	Rib Right Middle Displacement Y	1.6
??RIBSRIMIERVEY?	ER Dummy	Rib Right Middle Velocity Y	1.6
??RIBSRIUPERACY?	ER Dummy	Rib Right Upper Acceleration Y	1.6
??RIBSRIUPERDSY?	ER Dummy	Rib Right Upper Displacement Y	1.6
??RIBSRIUPERVEY?	ER Dummy	Rib Right Upper Velocity Y	1.6
??SPIN0100ERACR?	ER Dummy	Spine Upper (T1) Acceleration Resultant	1.6
??SPIN0100ERACX?	ER Dummy	Spine Upper (T1) Acceleration X	1.6
??SPIN0100ERACY?	ER Dummy	Spine Upper (T1) Acceleration Y	1.6
??SPIN0100ERACZ?	ER Dummy	Spine Upper (T1) Acceleration Z	1.6
??SPIN0100ERAVX?	ER Dummy	Spine Upper (T1) Angular Velocity X	1.6.1
??SPIN0100ERAVY?	ER Dummy	Spine Upper (T1) Angular Velocity Y	1.6.1
??SPIN0100ERAVZ?	ER Dummy	Spine Upper (T1) Angular Velocity Z	1.6.1
??SPIN1200ERACR?	ER Dummy	Spine Lower (T12) Acceleration Resultant	1.6
??SPIN1200ERACX?	ER Dummy	Spine Lower (T12) Acceleration X	1.6
??SPIN1200ERACY?	ER Dummy	Spine Lower (T12) Acceleration Y	1.6
??SPIN1200ERACZ?	ER Dummy	Spine Lower (T12) Acceleration Z	1.6
??SPIN1200ERFOX?	ER Dummy	Spine Lower (T12) Force X	1.6
??SPIN1200ERFOY?	ER Dummy	Spine Lower (T12) Force Y	1.6
??SPIN1200ERMOX?	ER Dummy	Spine Lower (T12) Moment X	1.6
??SPIN1200ERMOY?	ER Dummy	Spine Lower (T12) Moment Y	1.6
??THSP0000ERTE0?	ER Dummy	Thoracic Spine Temperature	1.6
??THSPPR00ERANX?	ER Dummy	Thoracic Spine Angle X	quasi-static measurement for dummy positioning 1.6.1
??THSPPR00ERANY?	ER Dummy	Thoracic Spine Angle Y	quasi-static measurement for dummy positioning 1.6.1
??BAPL0000ERFOX?	ER Dummy	Backplate Force X	1.6
??BAPL0000ERFOY?	ER Dummy	Backplate Force Y	1.6
??BAPL0000ERMOY?	ER Dummy	Backplate Moment Y	1.6
??BAPL0000ERMOZ?	ER Dummy	Backplate Moment Z	1.6
??ABDOLEFRERFOY?	ER Dummy	Abdominal Left Front Force Y	1.6
??ABDOLEMIERFOY?	ER Dummy	Abdominal Left Middle Force Y	1.6
??ABDOLEEREERFOY?	ER Dummy	Abdominal Left Rear Force Y	1.6
??ABDOLESUERFOY?	ER Dummy	Abdominal Left Sum Force Y	1.6
??ABDORIFRERFOY?	ER Dummy	Abdominal Right Front Force Y	1.6
??ABDORIMIERFOY?	ER Dummy	Abdominal Right Middle Force Y	1.6
??ABDORIREERFOY?	ER Dummy	Abdominal Right Rear Force Y	1.6
??ABDORISUERFOY?	ER Dummy	Abdominal Right Sum Force Y	1.6
??LUSP0000ERFOX?	ER Dummy	Lumbar Spine Force X	1.6.1
??LUSP0000ERFOY?	ER Dummy	Lumbar Spine Force Y	1.6
??LUSP0000ERFOZ?	ER Dummy	Lumbar Spine Force Z	1.6
??LUSP0000ERMOX?	ER Dummy	Lumbar Spine Moment X	1.6
??LUSP0000ERMOY?	ER Dummy	Lumbar Spine Moment Y	1.6.1
??LUSP0000ERMOZ?	ER Dummy	Lumbar Spine Moment Z	1.6.1
??PELV0000ERACR?	ER Dummy	Pelvis Acceleration Resultant	1.6
??PELV0000ERACX?	ER Dummy	Pelvis Acceleration X	1.6
??PELV0000ERACY?	ER Dummy	Pelvis Acceleration Y	1.6
??PELV0000ERACZ?	ER Dummy	Pelvis Acceleration Z	1.6
??PELV0000ERAVX?	ER Dummy	Pelvis Angular Velocity X	1.6.1
??PELV0000ERAVY?	ER Dummy	Pelvis Angular Velocity Y	1.6.1

## Possible Channels

## ER Dummy

Code	Description	Remarks	Valid since Version
??PELV0000ERAVZ?	ER Dummy Pelvis Angular Velocity Z		1.6.1
??PELVPR00ERANX?	ER Dummy Pelvis Angle X	quasi-static measurement for dummy positioning	1.6
??PELVPR00ERANY?	ER Dummy Pelvis Angle Y	quasi-static measurement for dummy positioning	1.6
??PUBC0000ERFOY?	ER Dummy Pubic Symphysis Force Y		1.6
??FEMRLE00ERFOX?	ER Dummy Femur Left Force X		1.6
??FEMRLE00ERFOY?	ER Dummy Femur Left Force Y		1.6
??FEMRLE00ERFOZ?	ER Dummy Femur Left Force Z		1.6
??FEMRLE00ERMOX?	ER Dummy Femur Left Moment X		1.6
??FEMRLE00ERMOY?	ER Dummy Femur Left Moment Y		1.6
??FEMRLE00ERMOZ?	ER Dummy Femur Left Moment Z		1.6
??FEMRRI00ERFOX?	ER Dummy Femur Right Force X		1.6
??FEMRRI00ERFOY?	ER Dummy Femur Right Force Y		1.6
??FEMRRI00ERFOZ?	ER Dummy Femur Right Force Z		1.6
??FEMRRI00ERMOX?	ER Dummy Femur Right Moment X		1.6
??FEMRRI00ERMOY?	ER Dummy Femur Right Moment Y		1.6
??FEMRRI00ERMOZ?	ER Dummy Femur Right Moment Z		1.6
??VCCRLELOERVEY?	ER Dummy Rib Viscous Criterion Left Lower		1.6
??VCCRLEMIERVEY?	ER Dummy Rib Viscous Criterion Left Middle		1.6
??VCCRLEUPERVEY?	ER Dummy Rib Viscous Criterion Left Upper		1.6
??VCCRRILOERVEY?	ER Dummy Rib Viscous Criterion Right Lower		1.6
??VCCRRIMIERVEY?	ER Dummy Rib Viscous Criterion Right Middle		1.6
??VCCRRIUPERVEY?	ER Dummy Rib Viscous Criterion Right Upper		1.6

## Possible Channels

## Vehicle

Code	Description	Remarks	Valid since Version
??0BATT15????VO??	Vehicle	Power Supply at Pin 15	1.6
??ABSE??????????	Vehicle	Airbag Sensor	1.1
??AIRB??????????	Vehicle	Airbag	1.1
??AIRB??SQ??????	Vehicle	Airbag Squib	1.6
		to be used with separate airbag timer firing	
??BAFI??????????	Vehicle	Belt Anchor Fitting	1.5
??BCKL??????????	Vehicle	Buckle	1.0
??BLOK??????????	Vehicle	Belt Lock	1.0
??BLOP??????????	Vehicle	Belt Loop	1.0
??CRSB??????????	Vehicle	Child Restraint Seatbelt	1.6
??FREN??????????	Vehicle	Frontend	1.1
??HERE??????????	Vehicle	Head Restraint	1.0
??HERE??????EV0?	Vehicle	Head Restraint Contact	1.6.1
		use for head to headrest contact	
??KNBO??????????	Vehicle	Knee Bolster	1.1
??LOLI????B1????	Vehicle	Load Limiter at Retractor	1.5
??LOLI????B2????	Vehicle	Load Limiter at Belt Loop	1.5
??LOLI????B4????	Vehicle	Load Limiter at Buckle	1.5
??LOLI????B6????	Vehicle	Load Limiter at Belt Anchor Fitting	1.5
??PRET??????????	Vehicle	Pretensioner	1.0
??PRET????B1????	Vehicle	Pretensioner at Retractor	1.5
??PRET????B2????	Vehicle	Pretensioner at Beltloop	1.5
??PRET????B4????	Vehicle	Pretensioner at Buckle	1.5
??PRET????B6????	Vehicle	Pretensioner at Belt Anchor Fitting	1.5
??RETR??????????	Vehicle	Retractor	1.0
??SBHA????B1????	Vehicle	Seatbelt Hight Adjuster	1.5
??SEAD??????????	Vehicle	Seat Adjustor	1.0
??SEAT??????????	Vehicle	Seat	1.0
??SEBA??????????	Vehicle	Seat Back	1.0
??SEBE????B1????	Vehicle	Seat Belt at Retractor	1.0
??SEBE????B2????	Vehicle	Seat Belt Below Belt Loop	1.0
??SEBE????B3????	Vehicle	Seat Belt at Upper Diagonal Belt	1.0
??SEBE????B4????	Vehicle	Seat Belt at Lower Diagonal Belt	1.0
??SEBE????B5????	Vehicle	Seat Belt at Lap Belt InSide	1.0
??SEBE????B6????	Vehicle	Seat Belt at Lap Belt OutSide	1.0
??SEFR??????????	Vehicle	Seat Frame	1.0
??SERM??????????	Vehicle	Seat Rail Mount	1.6
??SETR??????????	Vehicle	Seat Track	1.0
??TAIL??????????	Vehicle	Tail	1.5
??0BATT??????????	Vehicle	Battery	1.0
??0CEUN??????????	Vehicle	Central Unit	1.0
??0DIFF??????????	Vehicle	Differential	1.0
??0ENGN??????????	Vehicle	Engine	1.0
??0FULT??????????	Vehicle	Fuel Tank	1.0
??0GENR??????????	Vehicle	Generator	1.0
??0INSW??????????	Vehicle	Inertia Swich	1.0
??0PEAC??????????	Vehicle	Pedal Accelerator	1.0
??0PEBR??????????	Vehicle	Pedal Brake	1.0
??0PECL??????????	Vehicle	Pedal Clutch	1.0
??0STAR??????????	Vehicle	Starter	1.0
??0STCM??????????	Vehicle	Steering Column Mount	1.1

## Possible Channels

## Vehicle

Code	Description	Remarks	Valid since Version
?0STCO??????????	Vehicle	Steering Column	1.1
?0STCS??????????	Vehicle	Steering Column Suspension	1.1
?0STWH??????????	Vehicle	Steering Wheel Hub	1.1
?0STWL??????????	Vehicle	Steering Wheel	1.1
?0TRAN??????????	Vehicle	Transmission	1.0
?0VEHC??????????	Vehicle	Vehicle	1.0
?1APIL??????????	Vehicle	A-Pillar Left	1.1
?1BUSY??????????	Vehicle	Bumper System Front Left	1.1
?1DOOR??????????	Vehicle	Door Front Left	1.1
?1FEND??????????	Vehicle	Fender Front Left	1.1
?1LAMP??????????	Vehicle	Headlamp Left	1.1
?1LOCK??????????	Vehicle	Lock Front Left	1.1
?1LOS Y??????????	Vehicle	Locking System Front Left	1.1
?1SUDO??????????	Vehicle	Suspension Dome Front Left	1.1
?1SUHO??????????	Vehicle	Suspension Housing Front Left	1.1
?1SUSM??????????	Vehicle	Suspension Mount Front Left	1.6
?1WARC??????????	Vehicle	Wheel Arch Front Left	1.2
?1WHEL??????????	Vehicle	Wheel Front Left	1.1
?1WIND??????????	Vehicle	Window Front Left	1.1
?2AXLE??????????	Vehicle	Axle Front	1.1
?2BUMP??????????	Vehicle	Bumper Front	1.1
?2CCBE??????????	Vehicle	Cross Car Beam	1.1
?2DASB??????????	Vehicle	Dash Board	1.1
?2DASH??????????	Vehicle	Dash Panel	1.1
?2DOOR??????????	Vehicle	Hood / Door Front	1.1
?2LOCK??????????	Vehicle	Lock Front	1.1
?2LOS Y??????????	Vehicle	Locking System Front	1.1
?2ROFR??????????	Vehicle	Roof Frame Front	1.1
?2SLMB??????????	Vehicle	Slam Beam	1.2
?2WIND??????????	Vehicle	Window Front	1.1
?3APIL??????????	Vehicle	A-Pillar Right	1.1
?3BUSY??????????	Vehicle	Bumper System Front Right	1.1
?3DOOR??????????	Vehicle	Door Front Right	1.1
?3FEND??????????	Vehicle	Fender Front Right	1.1
?3LAMP??????????	Vehicle	Headlamp Right	1.1
?3LOCK??????????	Vehicle	Lock Front Right	1.1
?3LOS Y??????????	Vehicle	Locking System Front Right	1.1
?3SUDO??????????	Vehicle	Suspension Dome Front Right	1.1
?3SUHO??????????	Vehicle	Suspension Housing Front Right	1.1
?3SUSM??????????	Vehicle	Suspension Mount Front Right	1.6
?3WARC??????????	Vehicle	Wheel Arch Front Right	1.2
?3WHEL??????????	Vehicle	Wheel Front Right	1.1
?3WIND??????????	Vehicle	Window Front Right	1.1
?4BPIL??????????	Vehicle	B-Pillar Left	1.1
?4DOOR??????????	Vehicle	Door Rear Left	1.1
?4LOCK??????????	Vehicle	Lock Rear Left	1.1
?4LOS Y??????????	Vehicle	Locking System Rear Left	1.1
?4ROFR??????????	Vehicle	Roof Frame Left	1.1
?4RORA??????????	Vehicle	Roof Rack Left	1.1
?4SILB??????????	Vehicle	Sill Beam Left	1.1

## Possible Channels

## Vehicle

Code	Description	Remarks	Valid since Version
?4SIME??????????	Vehicle	Side Member Left	1.1
?4WIND??????????	Vehicle	Window Rear Left	1.1
?5CRME??????????	Vehicle	Cross Member	1.1
?5ROOF??????????	Vehicle	Roof	1.1
?5TUNN??????????	Vehicle	Tunnel	1.1
?6BPIL??????????	Vehicle	B-Pillar Right	1.1
?6DOOR??????????	Vehicle	Door Rear Right	1.1
?6LOCK??????????	Vehicle	Lock Rear Right	1.1
?6LOSY??????????	Vehicle	Locking System Rear Right	1.1
?6ROFR??????????	Vehicle	Roof Frame Right	1.1
?6RORA??????????	Vehicle	Roof Rack Right	1.1
?6SILB??????????	Vehicle	Sill Beam Right	1.1
?6SIME??????????	Vehicle	Side Member Right	1.1
?6WIND??????????	Vehicle	Window Rear	1.1
?7BUSY??????????	Vehicle	Bumper System Rear Left	1.1
?7CPIL??????????	Vehicle	C-Pillar Left	1.1
?7DPIL??????????	Vehicle	D-Pillar Left	1.1
?7FEND??????????	Vehicle	Fender Rear Left	1.1
?7LAMP??????????	Vehicle	Taillight Left	1.1
?7SUDO??????????	Vehicle	Suspension Dome Rear Left	1.1
?7SUHO??????????	Vehicle	Suspension Housing Rear Left	1.1
?7SUSM??????????	Vehicle	Suspension Mount Rear Left	1.6
?7WARC??????????	Vehicle	Wheel Arch Rear Left	1.2
?7WHEL??????????	Vehicle	Wheel Rear Left	1.1
?8AXLE??????????	Vehicle	Axle Rear	1.1
?8BUMP??????????	Vehicle	Bumper Rear	1.1
?8DOOR??????????	Vehicle	Tailgate / Door backSide	1.1
?8FORA??????????	Vehicle	Floor over Rear Axle	1.1
?8LOCK??????????	Vehicle	Lock Rear	1.1
?8LOSY??????????	Vehicle	Locking System Rear	1.1
?8ROFR??????????	Vehicle	Roof Frame Rear	1.1
?8WIND??????????	Vehicle	Window Rear Right	1.1
?9BUSY??????????	Vehicle	Bumper System Rear Right	1.1
?9CPIL??????????	Vehicle	C-Pillar Right	1.1
?9DPIL??????????	Vehicle	D-Pillar Right	1.1
?9FEND??????????	Vehicle	Fender Rear Right	1.1
?9LAMP??????????	Vehicle	Taillight Right	1.1
?9SUDO??????????	Vehicle	Suspension Dome Rear Right	1.1
?9SUHO??????????	Vehicle	Suspension Housing Rear Right	1.1
?9SUSM??????????	Vehicle	Suspension Mount Rear Right	1.6
?9WARC??????????	Vehicle	Wheel Arch Rear Right	1.2
?9WHEL??????????	Vehicle	Wheel Rear Right	1.1
B?0000??????????	Vehicle	Fixed Barrier	Fixed Barrier exists as Object and Main Loc. 1.2

## Possible Channels

## Sled

Code	Description		Remarks	Valid since Version
S?SEAT010000DS??	Sled	Seat Base Forward (ST1)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SEAT020000DS??	Sled	Seat Back Lower (ST2)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SEAT02RD00DS??	Sled	Seat Back Middle (ST2rd, #1)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SEAT030000DS??	Sled	Seat Back Upper (ST3)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SEAT03RD00DS??	Sled	Seat Back Middle (ST3rd, #2)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SEAT040000DS??	Sled	Lower Head Restraint (ST4)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SEAT050000DS??	Sled	Upper Head Restraint (ST5)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SLED010000DS??	Sled	Reference Point #1 (REF1)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SLED020000DS??	Sled	Reference Point #2 (REF2)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SLED030000DS??	Sled	Reference Point #3 (REF3)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6
S?SLED040000DS??	Sled	Reference Point #4 (REF4)	intended for film analysis in whiplash testing; Dir = X,Y,Z,R; the film analysis coordinate system differs from the SAE J211 convention	1.6



## Possible Channels

## Other

Code	Description	Remarks	Valid since Version
<b>T?HEAD0000HHDSX?</b>	Other Head Displacement X	use "T" variant in testrig environment; ECE R 17, Head restraint testing	1.6.1
<b>T?HEAD0000HHFOX?</b>	Other Head Force X	use "T" variant in testrig environment; ECE R 17, Head restraint testing	1.6.1
<b>T?BAPL0000BPANY?</b>	Other Back Plate Angle Y	use "T" variant in testrig environment; ECE R 17, Head restraint testing	1.6.1
<b>T?BAPL0000BPFOX?</b>	Other Back Plate Force X	use "T" variant in testrig environment; ECE R 17, Head restraint testing	1.6.1
<b>T?BAPL0000BPMOY?</b>	Other Back Plate Moment Y	use "T" variant in testrig environment; ECE R 17, Head restraint testing	1.6.1
<b>T?BLOP000000DSX?</b>	Other Belt Loop Displacement X	use "T" variant in testrig environment	1.6.1
<b>T?TOPT000000DSX?</b>	Other Top Tether Displacement X	use "T" variant in testrig environment	1.6.1
<b>T?TOPT000000FOX?</b>	Other Top Tether Force X	use "T" variant in testrig environment	1.6.1
<b>T?SFAD000000DSX?</b>	Other Static Force Application Device Displacement X	use "T" variant in testrig environment	1.6.1
<b>T?SFAD000000DSY?</b>	Other Static Force Application Device Displacement Y	use "T" variant in testrig environment	1.6.1
<b>T?SFAD000000FOX?</b>	Other Static Force Application Device Force X	use "T" variant in testrig environment	1.6.1
<b>T?SFAD000000FOY?</b>	Other Static Force Application Device Force Y	use "T" variant in testrig environment	1.6.1
<b>T?TDCG000000DSX?</b>	Other Traction Device Center of Gravity Displacement X	use "T" variant in testrig environment	1.6.1
<b>T?TDCG000000FOX?</b>	Other Traction Device Center of Gravity Force X	use "T" variant in testrig environment	1.6.1
<b>T?TDLB000000DSX?</b>	Other Traction Device Lap Belt Displacement X	use "T" variant in testrig environment	1.6.1
<b>T?TDLB000000FOX?</b>	Other Traction Device Lap Belt Force X	use "T" variant in testrig environment	1.6.1
<b>T?TDSB000000DSX?</b>	Other Traction Device Shoulder Belt Displacement X	use "T" variant in testrig environment	1.6.1
<b>T?TDSB000000FOX?</b>	Other Traction Device Shoulder Belt Force X	use "T" variant in testrig environment	1.6.1

## Possible Channels

## Other

Code	Description	Remarks	Valid since Version
1?HEAD0000HHDSX?	Other Head Displacement X	use "1" variant in vehicle environment; ECE R 17, Head restraint testing	1.6.1
1?HEAD0000HHFOX?	Other Head Force X	use "1" variant in vehicle environment; ECE R 17, Head restraint testing	1.6.1
1?BAPL0000BPANY?	Other Back Plate Angle Y	use "1" variant in vehicle environment; ECE R 17, Head restraint testing	1.6.1
1?BAPL0000BPFOX?	Other Back Plate Force X	use "1" variant in vehicle environment; ECE R 17, Head restraint testing	1.6.1
1?BAPL0000BPMOY?	Other Back Plate Moment Y	use "1" variant in vehicle environment; ECE R 17, Head restraint testing	1.6.1
1?BLOP000000DSX?	Other Belt Loop Displacement X	use "1" variant in vehicle environment	1.6.1
1?TOPT000000DSX?	Other Top Tether Displacement X	use "1" variant in vehicle environment	1.6.1
1?TOPT000000FOX?	Other Top Tether Force X	use "1" variant in vehicle environment	1.6.1
1?SFAD000000DSX?	Other Static Force Application Device Displacement X	use "1" variant in vehicle environment	1.6.1
1?SFAD000000DSY?	Other Static Force Application Device Displacement Y	use "1" variant in vehicle environment	1.6.1
1?SFAD000000FOX?	Other Static Force Application Device Force X	use "1" variant in vehicle environment	1.6.1
1?SFAD000000FOY?	Other Static Force Application Device Force Y	use "1" variant in vehicle environment	1.6.1
1?TDCG000000DSX?	Other Traction Device Center of Gravity Displacement X	use "1" variant in vehicle environment	1.6.1
1?TDCG000000FOX?	Other Traction Device Center of Gravity Force X	use "1" variant in vehicle environment	1.6.1
1?TDLB000000DSX?	Other Traction Device Lap Belt Displacement X	use "1" variant in vehicle environment	1.6.1
1?TDLB000000FOX?	Other Traction Device Lap Belt Force X	use "1" variant in vehicle environment	1.6.1
1?TDSB000000DSX?	Other Traction Device Shoulder Belt Displacement X	use "1" variant in vehicle environment	1.6.1
1?TDSB000000FOX?	Other Traction Device Shoulder Belt Force X	use "1" variant in vehicle environment	1.6.1

## Possible Channels

## Airbag

Code	Description	Remarks	Valid since Version
??BUMP????AP????	Airbag	Bumper Airbag	1.5
??BUMP????GP????	Airbag	Bumper Airbag Inflator / Generator	1.5
??DASH????AF????	Airbag	Dashboard Airbag	1.5
??DASH????GF????	Airbag	Dashboard Airbag Inflator / Generator	1.5
??DOOR????AH????	Airbag	Door Head Airbag	1.5
??DOOR????AS????	Airbag	Door Side Airbag	1.5
??DOOR????GH????	Airbag	Door Head Airbag Inflator / Generator	1.5
??DOOR????GS????	Airbag	Door Side Airbag Inflator / Generator	1.5
??FOWE????AF????	Airbag	Footwell Airbag	1.5
??FOWE????GF????	Airbag	Footwell Airbag Inflator / Generator	1.5
??HERE????AR????	Airbag	Head Rest Rear Airbag	1.5
??HERE????GR????	Airbag	Head Rest Rear Airbag Inflator/Generator	1.5
??HOOD????AP????	Airbag	Hood Airbag	1.5
??HOOD????GP????	Airbag	Hood Airbag Inflator / Generator	1.5
??KNBO????AF????	Airbag	Knee Bolster Airbag	1.5
??KNBO????GF????	Airbag	Knee Bolster Airbag Inflator / Generator	1.5
??ROFR????AH????	Airbag	Roof Frame Head Airbag	1.5
??ROFR????GH????	Airbag	Roof Frame Head Airbag Inflator / Generator	1.5
??SEBA????AF????	Airbag	Seat Back Knee Airbag	1.5
??SEBA????AS????	Airbag	Seat Back Airbag	1.6.1
??SEBA????GF????	Airbag	Seat Back Knee Airbag Inflator / Generator	1.5
??SEBA????GS????	Airbag	Seat Back Inflator / Generator	1.6.1
??SEBE????AF????	Airbag	Seat Belt Airbag	1.5
??SEBE????GF????	Airbag	Seat Belt Airbag Inflator /Generator	1.5
??SEPN????AS????	Airbag	Seat Pan Side Airbag	1.5
??SEPN????GS????	Airbag	Seat Pan Side Airbag Inflator /Generator	1.5
??STWL????AF????	Airbag	Steering Wheel Airbag	1.5
??STWL????GF????	Airbag	Steering Whee Airbag Inflator / Generator	1.5

## Possible Channels

## Calculation

Code	Description	Remarks	Valid since Version
??HEAD003C??ACR?	Calculation	Head Acc. Resultant, 3ms Value, Cumulative	1.3
??HEAD003C??ACX?	Calculation	Head Acc. X, 3ms Value, Cumulative	1.3
??HEAD003C??ACY?	Calculation	Head Acc. Y, 3ms Value, Cumulative	1.3
??HEAD003C??ACZ?	Calculation	Head Acc. Z, 3ms Value, Cumulative	1.3
??HEAD003S??ACR?	Calculation	Head Acc. Resultant, 3ms Value, Single Peak	1.3
??HEAD003S??ACX?	Calculation	Head Acc. X, 3ms Value, Single Peak	1.3
??HEAD003S??ACY?	Calculation	Head Acc. Y, 3ms Value, Single Peak	1.3
??HEAD003S??ACZ?	Calculation	Head Acc. Z, 3ms Value, Single Peak	1.3
??HEAD??XC??TI0?	Calculation	Time Range for Acceleration Level, Cumulative	1.4
??HEAD??XS??TI0?	Calculation	Time Range for Acceleration Level, Single Peak	1.4
??NECKIPCO??FOZ?	Calculation	Neck Compression, In Position	1.4
??NECKIPTN??FOZ?	Calculation	Neck Tension, In Position	1.4
??NECKOPCO??FOZ?	Calculation	Neck Compression, OOP	1.4
??NECKOPTN??FOZ?	Calculation	Neck Tension, OOP	1.4
??SPIN013C??ACR?	Calculation	Spine T1 Acc. Resultant, 3ms Value, Cumulative	1.3
??SPIN013C??ACX?	Calculation	Spine T1 Acc. X, 3ms Value, Cumulative	1.3
??SPIN013C??ACY?	Calculation	Spine T1 Acc. Y, 3ms Value, Cumulative	1.3
??SPIN013C??ACZ?	Calculation	Spine T1 Acc. Z, 3ms Value, Cumulative	1.3
??SPIN013S??ACR?	Calculation	Spine T1 Acc. Resultant, 3ms Value, Single Peak	1.3
??SPIN013S??ACX?	Calculation	Spine T1 Acc. X, 3ms Value, Single Peak	1.3
??SPIN013S??ACY?	Calculation	Spine T1 Acc. Y, 3ms Value, Single Peak	1.3
??SPIN013S??ACZ?	Calculation	Spine T1 Acc. Z, 3ms Value, Single Peak	1.3
??SPIN123C??ACR?	Calculation	Spine T12 Acc. Resultant, 3ms Value, Cumulative	1.3
??SPIN123C??ACX?	Calculation	Spine T12 Acc. X, 3ms Value, Cumulative	1.3
??SPIN123C??ACY?	Calculation	Spine T12 Acc. Y, 3ms Value, Cumulative	1.3
??SPIN123C??ACZ?	Calculation	Spine T12 Acc. Z, 3ms Value, Cumulative	1.3
??SPIN123S??ACR?	Calculation	Spine T12 Acc. Resultant, 3ms Value, Single Peak	1.3
??SPIN123S??ACX?	Calculation	Spine T12 Acc. X, 3ms Value, Single Peak	1.3
??SPIN123S??ACY?	Calculation	Spine T12 Acc. Y, 3ms Value, Single Peak	1.3
??SPIN123S??ACZ?	Calculation	Spine T12 Acc. Z, 3ms Value, Single Peak	1.3
??CHST003C??ACR?	Calculation	Chest Acc. Resultant, 3ms Value, Cumulative	1.3
??CHST003C??ACX?	Calculation	Chest Acc. X, 3ms Value, Cumulative	1.3
??CHST003C??ACY?	Calculation	Chest Acc. Y, 3ms Value, Cumulative	1.3
??CHST003C??ACZ?	Calculation	Chest Acc. Z, 3ms Value, Cumulative	1.3
??CHST003S??ACR?	Calculation	Chest Acc. Resultant, 3ms Value, Single Peak	1.3
??CHST003S??ACX?	Calculation	Chest Acc. X, 3ms Value, Single Peak	1.3
??CHST003S??ACY?	Calculation	Chest Acc. Y, 3ms Value, Single Peak	1.3
??CHST003S??ACZ?	Calculation	Chest Acc. Z, 3ms Value, Single Peak	1.3
??PELV003C??ACR?	Calculation	Pelvis Acc. Resultant, 3ms Value, Cumulative	1.3
??PELV003C??ACX?	Calculation	Pelvis Acc. X, 3ms Value, Cumulative	1.3
??PELV003C??ACY?	Calculation	Pelvis Acc. Y, 3ms Value, Cumulative	1.3
??PELV003C??ACZ?	Calculation	Pelvis Acc. Z, 3ms Value, Cumulative	1.3
??PELV003S??ACR?	Calculation	Pelvis Acc. Resultant, 3ms Value, Single Peak	1.3

## Possible Channels

## Calculation

Code	Description	Remarks	Valid since Version
??PELV003S??ACX?	Calculation	Pelvis Acc. X, 3ms Value, Single Peak	1.3
??PELV003S??ACY?	Calculation	Pelvis Acc. Y, 3ms Value, Single Peak	1.3
??PELV003S??ACZ?	Calculation	Pelvis Acc. Z, 3ms Value, Single Peak	1.3
??PUBC003C??FOY?	Calculation	Pubic Force Y, 3ms Value, Cumulative	1.3
??PUBC003S??FOY?	Calculation	Pubic Force Y, 3ms Value, Single Peak	1.3
DOFEMRUP??PUMYOY?	Calculation	Upper Bending Moment Y	1.4
DOFEMRLO??PUMYOY?	Calculation	Lower Bending Moment Y	1.4
DOFEMRMI??PUMYOY?	Calculation	Middle Bending Moment Y	1.4
DOFEMRSU00PUFOX?	Calculation	Sum of Femur Shear Force X	1.4
DOKNEE0000PLANY?	Calculation	Knee Bending Angle	1.4
DOKNEE0000PLDSX?	Calculation	Knee Shear Displacement Pedestrian Impactor Legform	1.4
??KNSLLE????DSX?	Calculation	Knee Displacement, Left	1.3
??KNSLRI????DSX?	Calculation	Knee Displacement, Right	1.3
DOTIBIUP00PLACX?	Calculation	Tibia Acceleration Pedestrian Impactor Legform	1.4
??HICR0000??00R?	Calculation	Head Injury Criterion (infinite time interval)	1.3
??HICR0015??00R?	Calculation	Head Injury Criterion (15ms time interval)	1.3
??HICR0036??00R?	Calculation	Head Injury Criterion (36ms time interval)	1.3
DOHICR0015PA00R?	Calculation	Head Injury Criterion Pedestrian Adult Headform	1.4
DOHICR0015PB00R?	Calculation	Head Injury Criterion Pedestrian ACEA Headform	1.4
DOHICR0015PC00R?	Calculation	Head Injury Criterion Pedestrian Child Headform	1.4
DOHICR0015PJ00R?	Calculation	Head Injury Criterion Pedestrian JARI Headform	1.4
DOHICR0015PS00R?	Calculation	Head Injury Criterion Pedestrian JARI Child Headform	1.4
DOHICR00HDFH00R?	Calculation	Head Injury Criterion (Free Motion Headform)	1.3
??HACR0000??00R?	Calculation	Head Acceptability Criterion	1.3
??HPCR0036??00R?	Calculation	Head Protection Criterion (HIC36)	1.3
??HECD0000??00R?	Calculation	Head Contact Criterion	1.3
??NICFCUDN??00X?	Calculation	NIC, Load Duration Negative X, Cumulative	1.3
??NICFCUDN??00Z?	Calculation	NIC, Load Duration Negative Z, Cumulative	1.3
??NICFCUDP??00X?	Calculation	NIC, Load Duration Positive X, Cumulative	1.3
??NICFCUDP??00Z?	Calculation	NIC, Load Duration Positive Z, Cumulative	1.3
??NICFCUDU??00X?	Calculation	NIC, Load Duration of Loading X, Cumulative	1.3
??NICFCUDU??00Z?	Calculation	NIC, Load Duration of Loading Z, Cumulative	1.3
??NICFSPDN??00X?	Calculation	NIC, Load Duration Negative X, Single Peak	1.3
??NICFSPDN??00Z?	Calculation	NIC, Load Duration Negative Z, Single Peak	1.3
??NICFSPDP??00X?	Calculation	NIC, Load Duration Positive X, Single Peak	1.3
??NICFSPDP??00Z?	Calculation	NIC, Load Duration Positive Z, Single Peak	1.3
??NICFSPDU??00X?	Calculation	NIC, Load Duration of Loading X, Single Peak	1.3
??NICFSPDU??00Z?	Calculation	NIC, Load Duration of Loading Z, Single Peak	1.3
??NICR00FI??00X?	Calculation	NIC Rear, Fixed Interval 150ms	1.3
??NICR00SI??00X?	Calculation	NIC Rear, Selected Interval	1.3
??NKMC0000??00Y?	Calculation	NKM Criterion	1.6
??NIEFCUDN??00X?	Calculation	NIC EuroNCAP, Load Duration Negative X, Cumulative	1.4
??NIEFCUDP??00X?	Calculation	NIC EuroNCAP, Load Duration Positive X, Cumulative	1.4

## Possible Channels

## Calculation

Code	Description	Remarks	Valid since Version
??NIEFCUDP??00Z?	Calculation	NIC EuroNCAP, Load Duration Positive Z, Cumulative	1.4
??NKMCEA00??00Y?	Calculation	Nea, Extension Anterior Shear NKM	1.6
??NKMCEP00??00Y?	Calculation	Nep, Extension Posterior Shear NKM	1.6
??NKMCF00??00Y?	Calculation	Nfa, Flexion Anterior Shear NKM	1.6
??NKMCFP00??00Y?	Calculation	Nfp, Flexion Posterior Shear NKM	1.6
??NIJCIPCE??00Y?	Calculation	Nce, In Position, Neck Injury Criterion	1.3
??NIJCIPCF??00Y?	Calculation	Ncf, In Position, Neck Injury Criterion	1.3
??NIJCIPTE??00Y?	Calculation	Nte, In Position, Neck Injury Criterion	1.3
??NIJCIPTF??00Y?	Calculation	Ntf, In Position, Neck Injury Criterion	1.3
??NIJCOPCE??00Y?	Calculation	Nce, OOP, Neck Injury Criterion	1.3
??NIJCOPCF??00Y?	Calculation	Ncf, OOP, Neck Injury Criterion	1.3
??NIJCOPTE??00Y?	Calculation	Nte, OOP, Neck Injury Criterion	1.3
??NIJCOPTF??00Y?	Calculation	Ntf, OOP, Neck Injury Criterion	1.3
??TMONUPNE??MOX?	Calculation	Neck Upper Total Moment X, Negative	1.3
??TMONUPNE??MOY?	Calculation	Neck Upper Total Moment Y, Negative	1.3
??TMONUPNE??MOZ?	Calculation	Neck Upper Total Moment Z, Negative	1.3
??TMONUPPO??MOX?	Calculation	Neck Upper Total Moment X, Positive	1.3
??TMONUPPO??MOY?	Calculation	Neck Upper Total Moment Y, Positive	1.3
??TMONUPPO??MOZ?	Calculation	Neck Upper Total Moment Z, Positive	1.3
??TMONLONE??MOX?	Calculation	Neck Lower Total Moment X, Negative	1.3
??TMONLONE??MOY?	Calculation	Neck Lower Total Moment Y, Negative	1.3
??TMONLONE??MOZ?	Calculation	Neck Lower Total Moment Z, Negative	1.3
??TMONLOPO??MOX?	Calculation	Neck Lower Total Moment X, Positive	1.3
??TMONLOPO??MOY?	Calculation	Neck Lower Total Moment Y, Positive	1.3
??TMONLOPO??MOZ?	Calculation	Neck Lower Total Moment Z, Positive	1.3
??VCCR0000??VEX?	Calculation	Viscous Criterion Chest	1.3
??VCCRUP00??VEX?	Calculation	Viscous Criterion Chest Upper X	1.3
??VCCRLE01??VEY?	Calculation	Viscous Criterion Left Chest Rib 01	1.3
??VCCRLE02??VEY?	Calculation	Viscous Criterion Left Chest Rib 02	1.3
??VCCRLE03??VEY?	Calculation	Viscous Criterion Left Chest Rib 03	1.3
??VCCRLELO??VEY?	Calculation	Viscous Criterion Left Chest Rib Lower	1.3
??VCCRLEMI??VEY?	Calculation	Viscous Criterion Left Chest Rib Middle	1.3
??VCCRLEUP??VEY?	Calculation	Viscous Criterion Left Chest Rib Upper	1.3
??VCCRLO00??VEX?	Calculation	Viscous Criterion Chest Lower X	1.3
??VCCRRI01??VEY?	Calculation	Viscous Criterion Right Chest Rib 01	1.3
??VCCRRI02??VEY?	Calculation	Viscous Criterion Right Chest Rib 02	1.3
??VCCRRI03??VEY?	Calculation	Viscous Criterion Right Chest Rib 03	1.3
??VCCRRILO??VEY?	Calculation	Viscous Criterion Right Chest Rib Lower	1.3
??VCCRRI MI??VEY?	Calculation	Viscous Criterion Right Chest Rib Middle	1.3
??VCCRRIUP??VEY?	Calculation	Viscous Criterion Right Chest Rib Upper	1.3
??VCAR0000??VEX?	Calculation	Viscous Criterion Abdomen	1.3
??VCARLE01??VEY?	Calculation	Viscous Criterion Left Abdomen Rib 01	1.3
??VCARLE02??VEY?	Calculation	Viscous Criterion Left Abdomen Rib 02	1.3
??VCARLELO??VEY?	Calculation	Viscous Criterion Left Abdomen Rib Lower	1.3
??VCARLEUP??VEY?	Calculation	Viscous Criterion Left Abdomen Rib Upper	1.3
??VCARRI01??VEY?	Calculation	Viscous Criterion Right Abdomen Rib 01	1.3
??VCARRI02??VEY?	Calculation	Viscous Criterion Right Abdomen Rib 02	1.3
??VCARRILO??VEY?	Calculation	Viscous Criterion Right Abdomen Rib Lower	1.3
??VCARRIUP??VEY?	Calculation	Viscous Criterion Right Abdomen Rib Upper	1.3

## Possible Channels

## Calculation

Code	Description	Remarks	Valid since Version
??TTIN0000??ACY?	Calculation	TTI, Thoracic Trauma Index	1.3
??THAC00?C??ACR?	Calculation	?ms Thoracic Resultant Accept. Crit., Cumulative	1.4
??THAC00?C??ACR?	Calculation	Thoracic Accept. Crit. Result. Xms Cumulative	1.4
??THAC00?C??ACX?	Calculation	?ms Thoracic Accept. Crit. X, Cumulative	1.4
??THAC00?C??ACY?	Calculation	?ms Thoracic Accept. Crit. Y, Cumulative	1.4
??THAC00?C??ACZ?	Calculation	?ms Thoracic Accept. Crit. Z, Cumulative	1.4
??THAC00?S??ACR?	Calculation	?ms Thoracic Result. Accept. Crit. , Single Peak	1.4
??THAC00?S??ACX?	Calculation	?ms Thoracic Accept. Crit. X, Single Peak	1.4
??THAC00?S??ACY?	Calculation	?ms Thoracic Accept. Crit. Y, Single Peak	1.4
??THAC00?S??ACZ?	Calculation	?ms Thoracic Accept. Crit. Z, Single Peak	1.4
??THAC003C??ACR?	Calculation	Thoracic Accept. Crit. Resultant, 3ms, Cumulative	1.4
??THAC003C??ACX?	Calculation	Thoracic Accept. Crit. X, 3ms, Cumulative	1.4
??THAC003C??ACY?	Calculation	Thoracic Accept. Crit. Y, 3ms, Cumulative	1.4
??THAC003C??ACZ?	Calculation	Thoracic Accept. Crit. Z, 3ms, Cumulative	1.4
??THAC003S??ACR?	Calculation	Thoracic Accept. Crit. Resultant, 3ms, Single Peak	1.4
??THAC003S??ACX?	Calculation	Thoracic Accept. Crit. X, 3ms, Single Peak	1.4
??THAC003S??ACY?	Calculation	Thoracic Accept. Crit. Y, 3ms, Single Peak	1.4
??THAC003S??ACZ?	Calculation	Thoracic Accept. Crit. Z, 3ms, Single Peak	1.4
??CTIN0000??000?	Calculation	Combined Thoracic Index	1.3
??TCCR0000??DSX?	Calculation	Thoracic Compression Criterion	1.3
??THCC0000??DSX?	Calculation	Thoracic Compression Criterion	1.4
??CHSI0000??00R?	Calculation	Severity Index Chest	1.3
??RDCRLE01??DSY?	Calculation	Rib Deflection Criterion Left Chest 01	1.3
??RDCRLE02??DSY?	Calculation	Rib Deflection Criterion Left Chest 02	1.3
??RDCRLE03??DSY?	Calculation	Rib Deflection Criterion Left Chest 03	1.3
??RDCRLELO??DSY?	Calculation	Rib Deflection Criterion Left Chest Lower	1.3
??RDCRLEMI??DSY?	Calculation	Rib Deflection Criterion Left Chest Middle	1.3
??RDCRLEUP??DSY?	Calculation	Rib Deflection Criterion Left Chest Upper	1.3
??RDCRRI01??DSY?	Calculation	Rib Deflection Criterion Right Chest 01	1.3
??RDCRRI02??DSY?	Calculation	Rib Deflection Criterion Right Chest 02	1.3
??RDCRRI03??DSY?	Calculation	Rib Deflection Criterion Right Chest 03	1.3
??RDCRRILO??DSY?	Calculation	Rib Deflection Criterion Right Chest Lower	1.3
??RDCRRI MI??DSY?	Calculation	Rib Deflection Criterion, Right Chest Middle	1.3
??RDCRRIUP??DSY?	Calculation	Rib Deflection Criterion Right Chest Upper	1.3
??RDARLE01??VEY?	Calculation	Rib Deflection Criterion Left Abdomen 01	1.3
??RDARLE02??VEY?	Calculation	Rib Deflection Criterion Left Abdomen 02	1.3
??RDARLELO??VEY?	Calculation	Rib Deflection Criterion Left Abdomen Lower	1.3
??RDARLEUP??VEY?	Calculation	Rib Deflection Criterion Left Abdomen Upper	1.3
??RDARRI01??VEY?	Calculation	Rib Deflection Criterion Right Abdomen 01	1.3
??RDARRI02??VEY?	Calculation	Rib Deflection Criterion Right Abdomen 02	1.3
??RDARRILO??VEY?	Calculation	Rib Deflection Criterion Right Abdomen Lower	1.3
??RDARRIUP??VEY?	Calculation	Rib Deflection Criterion Right Abdomen Upper	1.3
??APFCLESU??FO0?	Calculation	Abdominal Peak Force Left	1.4
??APFCRISU??FO0?	Calculation	Abdominal Peak Force Right	1.4
??ADRALE01??VAY?	Calculation	Abdominal Deflection Rate Left Rib 01 from Acceleration	1.4

## Possible Channels

## Calculation

Code	Description	Remarks	Valid since Version
??ADRALE01??VDY?	Calculation	Abdominal Deflection Rate Left Rib 01 from Deflection	1.4
??ADRALE02??VAY?	Calculation	Abdominal Deflection Rate Left Rib 02 from Acceleration	1.4
??ADRALE02??VDY?	Calculation	Abdominal Deflection Rate Left Rib 02 from Deflection	1.4
??ADRARI01??VAY?	Calculation	Abdominal Deflection Rate Right Rib 01 from Acceleration	1.4
??ADRARI01??VDY?	Calculation	Abdominal Deflection Rate Right Rib 01 from Deflection	1.4
??ADRARI02??VAY?	Calculation	Abdominal Deflection Rate Right Rib 02 from Acceleration	1.4
??ADRARI02??VDY?	Calculation	Abdominal Deflection Rate Right Rib 02 from Deflection	1.4
??CDRALE01??VAY?	Calculation	Chest Deflection Rate Left Rib 01 from Acceleration	1.4
??CDRALE01??VDY?	Calculation	Chest Deflection Rate Left Rib 01 from Deflection	1.4
??CDRALE02??VAY?	Calculation	Chest Deflection Rate Left Rib 02 from Acceleration	1.4
??CDRALE02??VDY?	Calculation	Chest Deflection Rate Left Rib 02 from Deflection	1.4
??CDRALE03??VAY?	Calculation	Chest Deflection Rate Left Rib 03 from Acceleration	1.4
??CDRALE03??VDY?	Calculation	Chest Deflection Rate Left Rib 03 from Deflection	1.4
??CDRALELO??VAY?	Calculation	Chest Deflection Rate Left Lower Rib from Acceleration	1.4
??CDRALELO??VDY?	Calculation	Chest Deflection Rate Left Lower Rib from Deflection	1.4
??CDRALEMI??VAY?	Calculation	Chest Deflection Rate Left Middle Rib from Acceleration	1.4
??CDRALEMI??VDY?	Calculation	Chest Deflection Rate Left Middle Rib from Deflection	1.4
??CDRALEUP??VAY?	Calculation	Chest Deflection Rate Left Upper Rib from Acceleration	1.4
??CDRALEUP??VDY?	Calculation	Chest Deflection Rate Left Upper Rib from Deflection	1.4
??CDRARI01??VAY?	Calculation	Chest Deflection Rate Right Rib 01 from Acceleration	1.4
??CDRARI01??VDY?	Calculation	Chest Deflection Rate Right Rib 01 from Deflection	1.4
??CDRARI02??VAY?	Calculation	Chest Deflection Rate Right Rib 02 from Acceleration	1.4
??CDRARI02??VDY?	Calculation	Chest Deflection Rate Right Rib 02 from Deflection	1.4
??CDRARI03??VAY?	Calculation	Chest Deflection Rate Right Rib 03 from Acceleration	1.4
??CDRARI03??VDY?	Calculation	Chest Deflection Rate Right Rib 03 from Deflection	1.4
??CDRARILO??VAY?	Calculation	Chest Deflection Rate Right Lower Rib from Acceleration	1.4
??CDRARILO??VDY?	Calculation	Chest Deflection Rate Right Lower Rib from Deflection	1.4
??CDRARIMI??VAY?	Calculation	Chest Deflection Rate Right Middle Rib from Acceleration	1.4
??CDRARIMI??VDY?	Calculation	Chest Deflection Rate Right Middle Rib from Deflection	1.4
??CDRARIUP??VAY?	Calculation	Chest Deflection Rate Right Upper Rib from Acceleration	1.4
??CDRARIUP??VDY?	Calculation	Chest Deflection Rate Right Upper Rib from Deflection	1.4



## Possible Channels

## Calculation

Code	Description	Remarks	Valid since Version
??PSPF0000??FOY?	Calculation	Pubic Symphysis Peak Force Y	1.6
??FFCELEDN??FOZ?	Calculation	Femur Force Crit. EuroNCAP, Duration Negative Left	1.4
??FFCERIDN??FOZ?	Calculation	Femur Force Crit. EuroNCAP, Duration Negative Right	1.4
??FFCRLEDN??FOZ?	Calculation	Femur Force Crit., Duration Negative Left	1.6
??FFCRRIDN??FOZ?	Calculation	Femur Force Crit., Duration Negative Right	1.6
??FACRLELO??FOZ?	Calculation	Femur Acceptance Criterion Left Lower	1.3
??FACRLEUP??FOZ?	Calculation	Femur Acceptance Criterion Left Upper	1.3
??FACRRILO??FOZ?	Calculation	Femur Acceptance Criterion Right Lower	1.3
??FACRRIUP??FOZ?	Calculation	Femur Acceptance Criterion Right Upper	1.3
??TIINLL00??000?	Calculation	Tibia Index, Left Lower	1.3
??TIINLLTO??000?	Calculation	Tibia Index, Left Lower, Using Total MY	Total Moment for My according to IIHS 1.3
??TIINLU00??000?	Calculation	Tibia Index, Left Upper	1.3
??TIINLUTO??000?	Calculation	Tibia Index, Left Upper, Using Total MY	Total Moment for My according to IIHS 1.3
??TIINRL00??000?	Calculation	Tibia Index, Right Lower	1.3
??TIINRLTO??000?	Calculation	Tibia Index, Right Lower, Using Total MY	Total Moment for My according to IIHS 1.3
??TIINRU00??000?	Calculation	Tibia Index, Right Upper	1.3
??TIINRUTO??000?	Calculation	Tibia Index, Right Upper, Using Total MY	Total Moment for My according to IIHS 1.3
??TCFCLELO??FOZ?	Calculation	Tibia Compression Force Criterion, Left Lower	1.3
??TCFCLEUP??FOZ?	Calculation	Tibia Compression Force Criterion, Left Upper	1.3
??TCFCRILO??FOZ?	Calculation	Tibia Compression Force Criterion, Right Lower	1.3
??TCFCRIUP??FOZ?	Calculation	Tibia Compression Force Criterion, Right Upper	1.3
??NCAP0000??000?	Calculation	New Car Assessment Program, USNCAP	1.3
??NCAP??????000?	Calculation	USNCAP, Combined probability	1.3
??AACP00????ACX?	Calculation	Average Acceleration during Compression Phase	FL2 Numbered from 1-99 1.3
??AACP??????000?	Calculation	Average Acc. During Compression Phase	1.3

## Possible Channels

## Other

Code	Description		Remarks	Valid since Version
??CHSTLELO??DS0?	Other	Chest Left Lower Displacement 0	for string pot chest H3, HF	1.6.1
??CHSTLELO??DS1?	Other	Chest Left Lower Displacement 1	for string pot chest H3, HF	1.6.1
??CHSTLELO??DSX?	Other	Chest Left Lower Displacement X	calculated from string pot chest H3, HF	1.6.1
??CHSTLELO??DSY?	Other	Chest Left Lower Displacement Y	calculated from string pot chest H3, HF	1.6.1
??CHSTLEUP??DS0?	Other	Chest Left Upper Displacement 0	for string pot chest H3, HF	1.6.1
??CHSTLEUP??DS1?	Other	Chest Left Upper Displacement 1	for string pot chest H3, HF	1.6.1
??CHSTLEUP??DSX?	Other	Chest Left Upper Displacement X	calculated from string pot chest H3, HF	1.6.1
??CHSTLEUP??DSY?	Other	Chest Left Upper Displacement Y	calculated from string pot chest H3, HF	1.6.1
??CHSTRILO??DS0?	Other	Chest Right Lower Displacement 0	for string pot chest H3, HF	1.6.1
??CHSTRILO??DS1?	Other	Chest Right Lower Displacement 1	for string pot chest H3, HF	1.6.1
??CHSTRILO??DSX?	Other	Chest Right Lower Displacement X	calculated from string pot chest H3, HF	1.6.1
??CHSTRILO??DSY?	Other	Chest Right Lower Displacement Y	calculated from string pot chest H3, HF	1.6.1
??CHSTRIUP??DS0?	Other	Chest Right Upper Displacement 0	for string pot chest H3, HF	1.6.1
??CHSTRIUP??DS1?	Other	Chest Right Upper Displacement 1	for string pot chest H3, HF	1.6.1
??CHSTRIUP??DSX?	Other	Chest Right Upper Displacement X	calculated from string pot chest H3, HF	1.6.1
??CHSTRIUP??DSY?	Other	Chest Right Upper Displacement Y	calculated from string pot chest H3, HF	1.6.1

**Possible Channels****Other**

<b>Code</b>	<b>Description</b>		<b>Remarks</b>	<b>Valid since Version</b>
<b>??CHSTLE????DSX?</b>	Other	Chest Left Displacement X	derived from RibEye system on H3 and HF dummy, use FL2 to distinguish between different LED's	1.6.1
<b>??CHSTLE????DSY?</b>	Other	Chest Left Displacement Y	derived from RibEye system on H3 and HF dummy, use FL2 to distinguish between different LED's	1.6.1
<b>??CHSTLE??H3DSZ?</b>	Other	Chest Left Displacement Z	derived from RibEye system on H3 dummy, use FL2 to distinguish between different LED's	1.6.1
<b>??CHSTRI????DSX?</b>	Other	Chest Right Displacement X	derived from RibEye system on H3 and HF dummy, use FL2 to distinguish between different LED's	1.6.1
<b>??CHSTRI????DSY?</b>	Other	Chest Right Displacement Y	derived from RibEye system on H3 and HF dummy, use FL2 to distinguish between different LED's	1.6.1
<b>??CHSTRI??H3DSZ?</b>	Other	Chest Right Displacement Z	derived from RibEye system on H3 dummy, use FL2 to distinguish between different LED's	1.6.1

## Possible Channels

## Other

Code	Description	Remarks	Valid since Version
??CHSTLELO??ANY?	Other Chest Left Lower IRTRACC Angle Y	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLELO??ANZ?	Other Chest Left Lower IRTRACC Angle Z	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLELO??DS0?	Other Chest Left Lower Displacement 0	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLELO??DSX?	Other Chest Left Lower Displacement X	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLELO??DSY?	Other Chest Left Lower Displacement Y	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLELO??DSZ?	Other Chest Left Lower Displacement Z	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLELO??VO0?	Other Chest Left Lower Voltage IRTRACC 0	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLEUP??ANY?	Other Chest Left Upper IRTRACC Angle Y	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLEUP??ANZ?	Other Chest Left Upper IRTRACC Angle Z	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLEUP??DS0?	Other Chest Left Upper Displacement 0	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLEUP??DSX?	Other Chest Left Upper Displacement X	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLEUP??DSY?	Other Chest Left Upper Displacement Y	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLEUP??DSZ?	Other Chest Left Upper Displacement Z	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTLEUP??VO0?	Other Chest Left Upper Voltage IRTRACC 0	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRILO??ANY?	Other Chest Right Lower IRTRACC Angle Y	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRILO??ANZ?	Other Chest Right Lower IRTRACC Angle Z	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRILO??DS0?	Other Chest Right Lower Displacement 0	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRILO??DSX?	Other Chest Right Lower Displacement X	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRILO??DSY?	Other Chest Right Lower Displacement Y	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRILO??DSZ?	Other Chest Right Lower Displacement Z	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRILO??VO0?	Other Chest Right Lower Voltage IRTRACC 0	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRIUP??ANY?	Other Chest Right Upper IRTRACC Angle Y	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRIUP??ANZ?	Other Chest Right Upper IRTRACC Angle Z	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRIUP??DS0?	Other Chest Right Upper Displacement 0	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRIUP??DSX?	Other Chest Right Upper Displacement X	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRIUP??DSY?	Other Chest Right Upper Displacement Y	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRIUP??DSZ?	Other Chest Right Upper Displacement Z	calculated, 3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1
??CHSTRIUP??VO0?	Other Chest Right Upper Voltage IRTRACC 0	3D IR-TRACC, used in THMPR, H3, HF, TH	1.6.1

## Possible Channels

## Other

Code	Description	Remarks	Valid since Version
??SHRIO0LES2DSX?	Other Shoulder Rib Left Displacement X	derived from RibEye system	1.6.1
??SHRIO0LES2DSY?	Other Shoulder Rib Left Displacement Y	derived from RibEye system	1.6.1
??SHRIO0LES2DSZ?	Other Shoulder Rib Left Displacement Z	derived from RibEye system	1.6.1
??SHRIO0RIS2DSX?	Other Shoulder Rib Right Displacement X	derived from RibEye system	1.6.1
??SHRIO0RIS2DSY?	Other Shoulder Rib Right Displacement Y	derived from RibEye system	1.6.1
??SHRIO0RIS2DSZ?	Other Shoulder Rib Right Displacement Z	derived from RibEye system	1.6.1
??TRRIO1LES2DSX?	Other Thoracic Rib 1 Left Deflection X	derived from RibEye system	1.6.1
??TRRIO1LES2DSY?	Other Thoracic Rib 1 Left Deflection Y	derived from RibEye system	1.6.1
??TRRIO1LES2DSZ?	Other Thoracic Rib 1 Left Deflection Z	derived from RibEye system	1.6.1
??TRRIO1RIS2DSX?	Other Thoracic Rib 1 Right Deflection X	derived from RibEye system	1.6.1
??TRRIO1RIS2DSY?	Other Thoracic Rib 1 Right Deflection Y	derived from RibEye system	1.6.1
??TRRIO1RIS2DSZ?	Other Thoracic Rib 1 Right Deflection Z	derived from RibEye system	1.6.1
??TRRIO2LES2DSX?	Other Thoracic Rib 1 Left Deflection X	derived from RibEye system	1.6.1
??TRRIO2LES2DSY?	Other Thoracic Rib 1 Left Deflection Y	derived from RibEye system	1.6.1
??TRRIO2LES2DSZ?	Other Thoracic Rib 1 Left Deflection Z	derived from RibEye system	1.6.1
??TRRIO2RIS2DSX?	Other Thoracic Rib 1 Right Deflection X	derived from RibEye system	1.6.1
??TRRIO2RIS2DSY?	Other Thoracic Rib 1 Right Deflection Y	derived from RibEye system	1.6.1
??TRRIO2RIS2DSZ?	Other Thoracic Rib 1 Right Deflection Z	derived from RibEye system	1.6.1
??TRRIO3LES2DSX?	Other Thoracic Rib 1 Left Deflection X	derived from RibEye system	1.6.1
??TRRIO3LES2DSY?	Other Thoracic Rib 1 Left Deflection Y	derived from RibEye system	1.6.1
??TRRIO3LES2DSZ?	Other Thoracic Rib 1 Left Deflection Z	derived from RibEye system	1.6.1
??TRRIO3RIS2DSX?	Other Thoracic Rib 1 Right Deflection X	derived from RibEye system	1.6.1
??TRRIO3RIS2DSY?	Other Thoracic Rib 1 Right Deflection Y	derived from RibEye system	1.6.1
??TRRIO3RIS2DSZ?	Other Thoracic Rib 1 Right Deflection Z	derived from RibEye system	1.6.1
??ABRIO1LES2DSX?	Other Abdominal Rib 1 Left Deflection X	derived from RibEye system	1.6.1
??ABRIO1LES2DSY?	Other Abdominal Rib 1 Left Deflection Y	derived from RibEye system	1.6.1
??ABRIO1LES2DSZ?	Other Abdominal Rib 1 Left Deflection Z	derived from RibEye system	1.6.1
??ABRIO1RIS2DSX?	Other Abdominal Rib 1 Right Deflection X	derived from RibEye system	1.6.1
??ABRIO1RIS2DSY?	Other Abdominal Rib 1 Right Deflection Y	derived from RibEye system	1.6.1
??ABRIO1RIS2DSZ?	Other Abdominal Rib 1 Right Deflection Z	derived from RibEye system	1.6.1
??ABRIO2LES2DSX?	Other Abdominal Rib 1 Left Deflection X	derived from RibEye system	1.6.1
??ABRIO2LES2DSY?	Other Abdominal Rib 1 Left Deflection Y	derived from RibEye system	1.6.1
??ABRIO2LES2DSZ?	Other Abdominal Rib 1 Left Deflection Z	derived from RibEye system	1.6.1
??ABRIO2RIS2DSX?	Other Abdominal Rib 1 Right Deflection X	derived from RibEye system	1.6.1
??ABRIO2RIS2DSY?	Other Abdominal Rib 1 Right Deflection Y	derived from RibEye system	1.6.1
??ABRIO2RIS2DSZ?	Other Abdominal Rib 1 Right Deflection Z	derived from RibEye system	1.6.1

## Possible Channels

## Other

Code	Description	Remarks	Valid since Version
??SHRILE00WSDSX?	Other Shoulder Rib Left Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??SHRILE00WSDSY?	Other Shoulder Rib Left Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??SHRIRI00WSDSX?	Other Shoulder Rib Right Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??SHRIRI00WSDSY?	Other Shoulder Rib Right Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRILE01WSDSX?	Other Thoracic Rib Left 1 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRILE01WSDSY?	Other Thoracic Rib Left 1 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRILE02WSDSX?	Other Thoracic Rib Left 2 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRILE02WSDSY?	Other Thoracic Rib Left 2 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRILE03WSDSX?	Other Thoracic Rib Left 3 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRILE03WSDSY?	Other Thoracic Rib Left 3 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRIRI01WSDSX?	Other Thoracic Rib Right 1 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRIRI01WSDSY?	Other Thoracic Rib Right 1 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRIRI02WSDSX?	Other Thoracic Rib Right 2 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRIRI02WSDSY?	Other Thoracic Rib Right 2 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRIRI03WSDSX?	Other Thoracic Rib Right 3 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??TRRIRI03WSDSY?	Other Thoracic Rib Right 3 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??ABRILE01WSDSX?	Other Abdominal Rib Left 1 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??ABRILE01WSDSY?	Other Abdominal Rib Left 1 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??ABRILE02WSDSX?	Other Abdominal Rib Left 2 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??ABRILE02WSDSY?	Other Abdominal Rib Left 2 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??ABRIRI01WSDSX?	Other Abdominal Rib Right 1 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??ABRIRI01WSDSY?	Other Abdominal Rib Right 1 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??ABRIRI02WSDSX?	Other Abdominal Rib Right 2 Displacement X	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1
??ABRIRI02WSDSY?	Other Abdominal Rib Right 2 Displacement Y	2D IR-TRACC, WS, calculation from DS0 and ANZ	1.6.1

## Possible Channels

## Other

Code	Description	Remarks	Valid since Version
??SHRILE00WSDSX?	Other Shoulder Rib Left Displacement X	derived from RibEye system	1.6.1
??SHRILE00WSDSY?	Other Shoulder Rib Left Displacement Y	derived from RibEye system	1.6.1
??SHRILE00WSDSZ?	Other Shoulder Rib Left Displacement Z	derived from RibEye system	1.6.1
??SHRILEFRWSDSX?	Other Shoulder Rib Left Front Displacement X	derived from RibEye system	1.6.1
??SHRILEFRWSDSY?	Other Shoulder Rib Left Front Displacement Y	derived from RibEye system	1.6.1
??SHRILEFRWSDSZ?	Other Shoulder Rib Left Front Displacement Z	derived from RibEye system	1.6.1
??SHRILEREWSDSX?	Other Shoulder Rib Left Rear Displacement X	derived from RibEye system	1.6.1
??SHRILEREWSDSY?	Other Shoulder Rib Left Rear Displacement Y	derived from RibEye system	1.6.1
??SHRILEREWSDSZ?	Other Shoulder Rib Left Rear Displacement Z	derived from RibEye system	1.6.1
??SHRIRI00WSDSX?	Other Shoulder Rib Right Displacement X	derived from RibEye system	1.6.1
??SHRIRI00WSDSY?	Other Shoulder Rib Right Displacement Y	derived from RibEye system	1.6.1
??SHRIRI00WSDSZ?	Other Shoulder Rib Right Displacement Z	derived from RibEye system	1.6.1
??SHRIRIFRWSDSX?	Other Shoulder Rib Right Front Displacement X	derived from RibEye system	1.6.1
??SHRIRIFRWSDSY?	Other Shoulder Rib Right Front Displacement Y	derived from RibEye system	1.6.1
??SHRIRIFRWSDSZ?	Other Shoulder Rib Right Front Displacement Z	derived from RibEye system	1.6.1
??SHRIRIREWSDSX?	Other Shoulder Rib Right Rear Displacement X	derived from RibEye system	1.6.1
??SHRIRIREWSDSY?	Other Shoulder Rib Right Rear Displacement Y	derived from RibEye system	1.6.1
??SHRIRIREWSDSZ?	Other Shoulder Rib Right Rear Displacement Z	derived from RibEye system	1.6.1
??TRRILE01WSDSX?	Other Thoracic Rib Left 1 Displacement X	derived from RibEye system	1.6.1
??TRRILE01WSDSY?	Other Thoracic Rib Left 1 Displacement Y	derived from RibEye system	1.6.1
??TRRILE01WSDSZ?	Other Thoracic Rib Left 1 Displacement Z	derived from RibEye system	1.6.1
??TRRILE02WSDSX?	Other Thoracic Rib Left 2 Displacement X	derived from RibEye system	1.6.1
??TRRILE02WSDSY?	Other Thoracic Rib Left 2 Displacement Y	derived from RibEye system	1.6.1
??TRRILE02WSDSZ?	Other Thoracic Rib Left 2 Displacement Z	derived from RibEye system	1.6.1
??TRRILE03WSDSX?	Other Thoracic Rib Left 3 Displacement X	derived from RibEye system	1.6.1
??TRRILE03WSDSY?	Other Thoracic Rib Left 3 Displacement Y	derived from RibEye system	1.6.1
??TRRILE03WSDSZ?	Other Thoracic Rib Left 3 Displacement Z	derived from RibEye system	1.6.1
??TRRILEFRWSDSX?	Other Thoracic Rib Left (2) Front Displacement X	derived from RibEye system	1.6.1
??TRRILEFRWSDSY?	Other Thoracic Rib Left (2) Front Displacement Y	derived from RibEye system	1.6.1
??TRRILEFRWSDSZ?	Other Thoracic Rib Left (2) Front Displacement Z	derived from RibEye system	1.6.1
??TRRILEREWSDSX?	Other Thoracic Rib Left (2) Rear Displacement X	derived from RibEye system	1.6.1
??TRRILEREWSDSY?	Other Thoracic Rib Left (2) Rear Displacement Y	derived from RibEye system	1.6.1
??TRRILEREWSDSZ?	Other Thoracic Rib Left (2) Rear Displacement Z	derived from RibEye system	1.6.1
??TRRILLFRWSDSX?	Other Thoracic Rib Left Lower (3) Front Displacement X	derived from RibEye system	1.6.1
??TRRILLFRWSDSY?	Other Thoracic Rib Left Lower (3) Front Displacement Y	derived from RibEye system	1.6.1
??TRRILLFRWSDSZ?	Other Thoracic Rib Left Lower (3) Front Displacement Z	derived from RibEye system	1.6.1
??TRRILLREWSDSX?	Other Thoracic Rib Left Lower (3) Rear Displacement X	derived from RibEye system	1.6.1
??TRRILLREWSDSY?	Other Thoracic Rib Left Lower (3) Rear Displacement Y	derived from RibEye system	1.6.1
??TRRILLREWSDSZ?	Other Thoracic Rib Left Lower (3) Rear Displacement Z	derived from RibEye system	1.6.1
??TRRILUFRWSDSX?	Other Thoracic Rib Left Upper (1) Front Displacement X	derived from RibEye system	1.6.1
??TRRILUFRWSDSY?	Other Thoracic Rib Left Upper (1) Front Displacement Y	derived from RibEye system	1.6.1
??TRRILUFRWSDSZ?	Other Thoracic Rib Left Upper (1) Front Displacement Z	derived from RibEye system	1.6.1
??TRRILUREWSDSX?	Other Thoracic Rib Left Upper (1) Rear Displacement X	derived from RibEye system	1.6.1

## Possible Channels

## Other

Code	Description	Remarks	Valid since Version
??TRRILUREWSDSY?	Other Thoracic Rib Left Upper (1) Rear Displacement Y	derived from RibEye system	1.6.1
??TRRILUREWSDSZ?	Other Thoracic Rib Left Upper (1) Rear Displacement Z	derived from RibEye system	1.6.1
??TRRIRI01WSDSX?	Other Thoracic Rib Right 1 Displacement X	derived from RibEye system	1.6.1
??TRRIRI01WSDSY?	Other Thoracic Rib Right 1 Displacement Y	derived from RibEye system	1.6.1
??TRRIRI01WSDSZ?	Other Thoracic Rib Right 1 Displacement Z	derived from RibEye system	1.6.1
??TRRIRI02WSDSX?	Other Thoracic Rib Right 2 Displacement X	derived from RibEye system	1.6.1
??TRRIRI02WSDSY?	Other Thoracic Rib Right 2 Displacement Y	derived from RibEye system	1.6.1
??TRRIRI02WSDSZ?	Other Thoracic Rib Right 2 Displacement Z	derived from RibEye system	1.6.1
??TRRIRI03WSDSX?	Other Thoracic Rib Right 3 Displacement X	derived from RibEye system	1.6.1
??TRRIRI03WSDSY?	Other Thoracic Rib Right 3 Displacement Y	derived from RibEye system	1.6.1
??TRRIRI03WSDSZ?	Other Thoracic Rib Right 3 Displacement Z	derived from RibEye system	1.6.1
??TRRIRIFRWSDSX?	Other Thoracic Rib Right (2) Front Displacement X	derived from RibEye system	1.6.1
??TRRIRIFRWSDSY?	Other Thoracic Rib Right (2) Front Displacementt Y	derived from RibEye system	1.6.1
??TRRIRIFRWSDSZ?	Other Thoracic Rib Right (2) Front Displacement Z	derived from RibEye system	1.6.1
??TRRIRIREWSDSX?	Other Thoracic Rib Right (2) Rear Displacement X	derived from RibEye system	1.6.1
??TRRIRIREWSDSY?	Other Thoracic Rib Right (2) Rear Displacement Y	derived from RibEye system	1.6.1
??TRRIRIREWSDSZ?	Other Thoracic Rib Right (2) Rear Displacement Z	derived from RibEye system	1.6.1
??TRRIRLFRWSDSX?	Other Thoracic Rib Right Lower (3) Front Displacement X	derived from RibEye system	1.6.1
??TRRIRLFRWSDSY?	Other Thoracic Rib Right Lower (3) Front Displacementt Y	derived from RibEye system	1.6.1
??TRRIRLFRWSDSZ?	Other Thoracic Rib Right Lower (3) Front Displacement Z	derived from RibEye system	1.6.1
??TRRIRLREWSDSX?	Other Thoracic Rib Right Lower (3) Rear Displacement X	derived from RibEye system	1.6.1
??TRRIRLREWSDSY?	Other Thoracic Rib Right Lower (3) Rear Displacement Y	derived from RibEye system	1.6.1
??TRRIRLREWSDSZ?	Other Thoracic Rib Right Lower (3) Rear Displacement Z	derived from RibEye system	1.6.1
??TRRIRUFRWSDSX?	Other Thoracic Rib Right Upper (1) Front Displacement X	derived from RibEye system	1.6.1
??TRRIRUFRWSDSY?	Other Thoracic Rib Right Upper (1) Front Displacementt Y	derived from RibEye system	1.6.1
??TRRIRUFRWSDSZ?	Other Thoracic Rib Right Upper (1) Front Displacement Z	derived from RibEye system	1.6.1
??TRRIRUREWSDSX?	Other Thoracic Rib Right Upper (1) Rear Displacement X	derived from RibEye system	1.6.1
??TRRIRUREWSDSY?	Other Thoracic Rib Right Upper (1) Rear Displacement Y	derived from RibEye system	1.6.1
??TRRIRUREWSDSZ?	Other Thoracic Rib Right Upper (1) Rear Displacement Z	derived from RibEye system	1.6.1
??ABRILE01WSDSX?	Other Abdominal Rib Left 1 Displacement X	derived from RibEye system	1.6.1
??ABRILE01WSDSY?	Other Abdominal Rib Left 1 Displacement Y	derived from RibEye system	1.6.1
??ABRILE01WSDSZ?	Other Abdominal Rib Left 1 Displacement Z	derived from RibEye system	1.6.1
??ABRILE02WSDSX?	Other Abdominal Rib Left 2 Displacement X	derived from RibEye system	1.6.1
??ABRILE02WSDSY?	Other Abdominal Rib Left 2 Displacement Y	derived from RibEye system	1.6.1
??ABRILE02WSDSZ?	Other Abdominal Rib Left 2 Displacement Z	derived from RibEye system	1.6.1
??ABRILLFRWSDSX?	Other Abdominal Rib Left Lower (2) Front Displacement X	derived from RibEye system	1.6.1
??ABRILLFRWSDSY?	Other Abdominal Rib Left Lower (2) Front Displacementt Y	derived from RibEye system	1.6.1
??ABRILLFRWSDSZ?	Other Abdominal Rib Left Lower (2) Front Displacement Z	derived from RibEye system	1.6.1
??ABRILLREWSDSX?	Other Abdominal Rib Left Lower (2) Rear Displacement X	derived from RibEye system	1.6.1



## Possible Channels

## Other

Code	Description	Remarks	Valid since Version
??ABRILLREWSDSY?	Other Abdominal Rib Left Lower (2) Rear Displacement Y	derived from RibEye system	1.6.1
??ABRILLREWSDSZ?	Other Abdominal Rib Left Lower (2) Rear Displacement Z	derived from RibEye system	1.6.1
??ABRILUFRWSDSX?	Other Abdominal Rib Left Upper (1) Front Displacement X	derived from RibEye system	1.6.1
??ABRILUFRWSDSY?	Other Abdominal Rib Left Upper (1) Front Displacementt Y	derived from RibEye system	1.6.1
??ABRILUFRWSDSZ?	Other Abdominal Rib Left Upper (1) Front Displacement Z	derived from RibEye system	1.6.1
??ABRILUREWSDSX?	Other Abdominal Rib Left Upper (1) Rear Displacement X	derived from RibEye system	1.6.1
??ABRILUREWSDSY?	Other Abdominal Rib Left Upper (1) Rear Displacement Y	derived from RibEye system	1.6.1
??ABRILUREWSDSZ?	Other Abdominal Rib Left Upper (1) Rear Displacement Z	derived from RibEye system	1.6.1
??ABRIRI01WSDSX?	Other Abdominal Rib Right 1 Displacement X	derived from RibEye system	1.6.1
??ABRIRI01WSDSY?	Other Abdominal Rib Right 1 Displacement Y	derived from RibEye system	1.6.1
??ABRIRI01WSDSZ?	Other Abdominal Rib Right 1 Displacement Z	derived from RibEye system	1.6.1
??ABRIRI02WSDSX?	Other Abdominal Rib Right 2 Displacement X	derived from RibEye system	1.6.1
??ABRIRI02WSDSY?	Other Abdominal Rib Right 2 Displacement Y	derived from RibEye system	1.6.1
??ABRIRI02WSDSZ?	Other Abdominal Rib Right 2 Displacement Z	derived from RibEye system	1.6.1
??ABRIRLFRWSDSX?	Other Abdominal Rib Right Lower (2) Front Displacement X	derived from RibEye system	1.6.1
??ABRIRLFRWSDSY?	Other Abdominal Rib Right Lower (2) Front Displacementt Y	derived from RibEye system	1.6.1
??ABRIRLFRWSDSZ?	Other Abdominal Rib Right Lower (2) Front Displacement Z	derived from RibEye system	1.6.1
??ABRIRLREWSDSX?	Other Abdominal Rib Right Lower (2) Rear Displacement X	derived from RibEye system	1.6.1
??ABRIRLREWSDSY?	Other Abdominal Rib Right Lower (2) Rear Displacement Y	derived from RibEye system	1.6.1
??ABRIRLREWSDSZ?	Other Abdominal Rib Right Lower (2) Rear Displacement Z	derived from RibEye system	1.6.1
??ABRIRUFRWSDSX?	Other Abdominal Rib Right Upper (1) Front Displacement X	derived from RibEye system	1.6.1
??ABRIRUFRWSDSY?	Other Abdominal Rib Right Upper (1) Front Displacementt Y	derived from RibEye system	1.6.1
??ABRIRUFRWSDSZ?	Other Abdominal Rib Right Upper (1) Front Displacement Z	derived from RibEye system	1.6.1
??ABRIRUREWSDSX?	Other Abdominal Rib Right Upper (1) Rear Displacement X	derived from RibEye system	1.6.1
??ABRIRUREWSDSY?	Other Abdominal Rib Right Upper (1) Rear Displacement Y	derived from RibEye system	1.6.1
??ABRIRUREWSDSZ?	Other Abdominal Rib Right Upper (1) Rear Displacement Z	derived from RibEye system	1.6.1