

Dok.: **FB 5.3-0**
 Rev.: **01**
 Datum: **15.09.2021**

**List of all Standards in the Flexible
 Accreditation Area**



List of all standards in the flexible accreditation area as of 15.09.2021.
This list is valid for the testing laboratory (PL-15087-01) of Humanetics Europe GmbH located in,
Im Breitspiel 6A, Heidelberg.
It is reviewed regularly and updated as required.

Norm	Ausgabestand	Titel der Norm oder des Hausverfahrens	Prüfgegenstand
Standard 18 KG EM Headform	2019-10	18 kg Ejection Mitigation Featureless Headform TL-WI-0267HD Verification Procedure for the Head Drop Test 18Kg Headform	
49 CFR Part 572 Subpart B	1985-06	Hybrid II 50th Percentile Male Dummy	572.6 - Head. 572.7 - Neck. 572.8 - Thorax. 572.9 - Lumbar spine, abdomen, and pelvis. 572.10 - Limbs.
49 CFR Part 572 Subpart E	2011-11	Hybrid III 50th Male Dummy	572.32 – Head. 572.33 – Neck. 572.34 – Thorax. 572.35 - Limbs
49 CFR Part 572 Subpart L	1995-08	Free Motion Headform	572.102 - Drop Test
SAE J2706	2013-06	Hybrid III Six-Year Old Child Dummy User's Manual	8.1 Head Drop Test 8.2 Neck Tests 8.3 Thorax Impact Test 9.3 Knee Impact Test 9.4 Torso Flexion Test
49 CFR Part 572 Subpart N	2011-06	Six-Year-Old Child Test Dummy, Beta Version	572.122 - Head assembly test procedure 572.123 - Neck assembly test procedure 572.124 - Thorax assembly test procedure 572.125 - Torso flexion test procedure 572.126 - Knee impact test procedure
49 CFR Part 572 Subpart S	2011-02	Hybrid III Six-Year-Old Weighted Child Test Dummy	572.162 - Head assembly Test procedure 572.163 - Neck assembly Test procedure 572.164 - Thorax assembly Test procedure 572.165 - Torso flexion test procedure 572.166 - Knee impact test procedure
49 CFR Part 572 Subpart O	2002-09	Hybrid III 5th Percentile Female Test Dummy, Alpha Version	572.132 - Head assembly test procedure. 572.133 - Neck assembly test procedure. 572.134 - Thorax assembly test procedure. 572.135 - Torso flexion test procedure. 572.136 - Knee impact test procedure.
SAE J2862	2015-02	User's Manual for the Small Adult Female Hybrid III Test Dummy	8.1 Head Drop Test 8.2 Neck Tests 8.3 Thorax Impact Test 8.4 Knee Impact Test 8.5 Knee Slider Test 9.3 Hip Joint Range of Motion Test 9.4 Foot Test 9.6 Torso Flexion Test 9.7 Low-speed Thorax Impact Test

Dok.: **FB 5.3-0**
 Rev.: **01**
 Datum: **15.09.2021**

**List of all Standards in the Flexible
 Accreditation Area**



SAE J2878	2016-06	Low Speed Thorax Impact Test Procedure for the Hybrid III 5th Percentile Female Test Dummy	3.2 Test Procedure 3.3 Performance Specifications
49 CFR Part 572 Subpart P	2002-01	Hybrid III 3-Year-Old Child Crash Test Dummy, Alpha Version	572.142 - Head test procedure. 572.143 - Neck-headform test procedure. 572.144 - Thorax assembly test procedure. 572.145 - Torso flexion test procedure.
49 CFR Part 572 Subpart R	2001-10	CRABI 12 Month (CRABI 12-Month-Old Infant, Alpha Version)	572.152 - Head assembly test procedure. 572.153 - Neck-headform test procedure. 572.154 - Thorax assembly test procedure.
49 CFR Part 572 Subpart T	2012-02	Hybrid III 10-Year-Old Child Test Dummy	572.172 - Head assembly and test procedure. 572.173 - Neck assembly and test procedure. 572.174 - Thorax assembly and test procedure. 572.175 - Torso flexion test procedure. 572.176 - Knee impact test procedure.
49 CFR Part 572 Subpart U	2012-09	ES-2re Side Impact Crash Test Dummy, 50th Percentile Adult Male	572.182 - Head assembly. 572.183 - Neck assembly. 572.184 - Shoulder assembly. 572.185 - Thorax (upper torso) assembly. 572.186 - Abdomen assembly. 572.187 - Lumbar spine. 572.188 - Pelvis.
49 CFR Part 572 Subpart V	2009-09	SID-IIs Side Impact Crash Test Dummy, Small Adult Female	572.192 - Head assembly. 572.193 - Neck assembly. 572.194 - Shoulder. 572.195 - Thorax with arm. 572.196 - Thorax without arm. 572.197 - Abdomen. 572.198 - Pelvis acetabulum. 572.199 - Pelvis iliac.
180-9900 SID-IIs User Manual Rev. H	2015-07	SID-IIs Side Impact Crash Test Dummy, Small Adult Female	3.2 Head Certification Test Procedure 3.7 Neck Certification Test Procedure 3.8.3 Thorax with Arm Certification Test Procedure 3.10 Thorax Without Arm Certification Test Procedure 3.11.3 Abdomen Certification Test Procedure 3.12.1.3 Pelvis Plug Certification Test Procedures 3.11.3 Abdomen Certification Test Procedure 3.12.1.3 Pelvis Plug Certification Test Procedures 3.12.2.3 Acetabulum Certification Test Procedure 3.12.4 Iliac Certification Test Procedure 3.13.3 Shoulder Certification Test Procedure
49 CFR Part 572 Subpart W	2020-11	Q3s Three-Year-Old Child Side Impact Test Dummy	572.212 - Head assembly test procedure. 572.213 - Neck assembly test procedure. 572.214 - Shoulder assembly test procedure. 572.215 - Thorax with arm assembly test procedure. 572.216 - Thorax without arm assembly test procedure. 572.217 - Lumbar spine assembly test procedure. 572.218 - Pelvis assembly test procedure.

Dok.: **FB 5.3-0**
 Rev.: **01**
 Datum: **15.09.2021**

List of all Standards in the Flexible Accreditation Area



UN-R 44 Annex 8 - Appendix 1-3	2010-11	Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles ("Child Restraint Systems")	DESCRIPTION OF THE 9 MONTHS AND 3, 6 AND 10-YEAR MANIKINS DESCRIPTION OF THE 18 MONTHS MANIKIN
UN-R 94 Rev 2, Annex 10	2013-08	Annex 10 Certification procedure for the dummy lower leg and foot	1. Upper foot impact test 2. Lower foot impact test without shoe 3. Lower foot impact test (with shoe)
UN-R 95 Rev 2, Annex 6	2014-02	Technical Description of the ES-2 50th percentile adult male SID.	5. Certification of the dummy 5.5 - Head 5.6 - Neck 5.7 - Shoulder 5.9 - Thorax 5.10 - Lumbar spine 5.11 - Abdomen 5.12 - Pelvis
Q-Series Child ATDs			
047-9900 User Manual Q0 Rev.F	2017-07	047-9900 User Manual Q0 Q 0 Year (6week old, Newborn UM)	5.3 - Head 5.4 - Neck 5.5 - Lumbar Spine
036-9900 User Manual Q1 Rev.H	2016-08	036-9900 User Manual Q1 Rev.H Q 1 Year (Advanced 1 year old child User Manual)	8.1 - Head 8.2 - Neck 8.3 - Lumbar 8.4 - Abdomen 8.5 - Thorax
048-9900 User Manual Q1.5 Rev.G	2015-07	048-9900 User Manual Q1.5 Rev.G Q 1.5 Year (Advanced 1.5 year old child User Manual)	8.1 - Head 8.2 - Neck 8.3 - Lumbar 8.4 - Abdomen 8.5 - Thorax
020-9905 User Manual Q3 Rev.G	2016-10	020-9905 User Manual Q3 Rev.G Q3 (Advanced 3-year-old child) User Manual	8.1 Head Certification 8.2 Certification of the Neck 8.3 Certification of the Lumbar Spine 8.4 Certification of the Abdomen 8.5 Certification of the Thorax
020-9900 User Manual Q3s Rev.	2018-02	User Manual Q3s Three Year Old Child Test Dummy	7.1 Head 7.2 Neck 7.3 Lumbar Spine 7.4 Shoulder 7.5 Thorax 7.6 Abdomen 7.7 Pelvis
033-9900 User Manual Q6 Rev.M	2016-11	033-9900 User Manual Q6 Rev.M Q6 (Advanced 6-year-old child) User Manual	8.1 Head Certification 8.2 Certification of the Neck 8.3 Certification of the Lumbar Spine 8.4 Certification of the Abdomen 8.5 Certification of the Thorax

010-9900 User Manual Q10 Rev.G	2016-02	010-9900 User Manual Q10 Rev.G Q10 (10.5-year-old child) User Manual	<ul style="list-style-type: none"> 14.1 Head Certification 14.2 Frontal Impact Head Certification 14.3 Lateral Impact Head Certification 14.4 Neck Certification 14.5 Flexion Neck Test 14.6 Extension Neck Test 14.7 Lateral Neck Test 14.8 Lumbar Spine Certification 14.9 Frontal Spine Test 14.10 Lateral Spine Test 14.11 Thorax Certification 14.12 Frontal Impact Thorax Test 14.13 Side Impact Thorax Test 14.14 Shoulder Lateral Impact Test / Application for Frontal Dummy with Full Arms 14.15 Side Impact Pelvis Test 14.16 Abdomen Certification 14.17 Shoulder Lateral Impact Test / Application for Side Impact Shoulder Kit
SAE J2854	2008-09	User's Guide for the Six-Month-Old Infant Dummy (CRABI)	<ul style="list-style-type: none"> 4.3 Head Drop Test 4.4 Neck Tests
921022-9900 User Manual	2015-07	CRABI 12- And 18-Month-Old Rev.C	<ul style="list-style-type: none"> 4.1 Head Drop Test 4.2 Neck Tests 4.3 Thorax Impact Test
SAE Engineering AID 27	2005-07	12 and 18 Month Old Infant Dummies User's Manual	<ul style="list-style-type: none"> Head Drop Test Neck Tests Thorax Impact Test
SAE Engineering AID 23	1998-06	User's Manual for the 50th Percentile Male Hybrid III Dummy	<ul style="list-style-type: none"> HEAD DROP TEST NECK TESTS THORAX IMPACT TEST KNEE IMPACT TEST KNEE SLIDER TEST HIP JOINT RANGE OF MOTION TEST
SAE J2779	2015-07	Low Speed Thorax Impact Test Procedures for the Hybrid III 50th Male Dummy	<ul style="list-style-type: none"> 3. Calibration Procedure
SAE J2856	2009-09	User's Manual for the 50th Percentile Male Hybrid III Dummy	<ul style="list-style-type: none"> 4.3 Head Drop Test 4.4 Neck Tests 4.5 Thorax Impact Test 4.6 Knee Impact Test 4.7 Knee Slider Test 4.8 Hip Joint Range of Motion Test 4.9 European Calibration Tests 5.1 Low-speed Thorax Impact Test 5.2 Low-speed Knee Slider Test 5.3 Foot Tes
Hybrid III 50th Male FAA Dumm	2015-07	Hybrid III 50th Male FAA Dummy 78051-218X-FAA User Manual Rev.C	<ul style="list-style-type: none"> 3.3 - Head Drop (according to Subpart E 572.32) 3.4 - Neck Pendulum Flexion and Extension (according to Subpart E 572.33) 3.5 - Thorax Impact (according to Subpart E 572.34) 3.6 - Knee Impact (according to Subpart E 572.35) 3.7 - Knee Slider Test (according to SAE EA-23) 3.8 - Hip Range of Motion Test (according to Subpart E 572.35) 3.9 - Torso Tests (according to Subpart B 572.9)

Dok.: **FB 5.4-01**
 Rev.: **01**
 Datum: **15.09.2021**

Liste aller Normen im flexiblen Akkreditierungsbereich



SAE J3074	2017-02	Hybrid III 50th Test Dummy Lumbar Flexion Test Procedure	3.4 Test Procedure 3.5 Performance Specifications
SAE J2876	2009-03	Low Speed Knee Slider Test Procedure for the Hybrid III 50th Male Dummy	3. Certification Procedures
SAE J2857	2011-03	Hybrid III 3-Year Old Child Dummy User's Manual	9.1 Head Drop Test 9.2 Neck Tests 9.3 Thorax Impact Test 9.4 Chest Depth Measurement Procedure 10.4 Torso Flexion Test
SAE J2858	2017-10	Hybrid III Ten-Year-Old Child Dummy User's Manual	5.1 - Head Drop Test 5.2 - Neck Tests 5.3 - Thorax Impact Test 6.3 - Knee Impact Test 6.4 - Torso Flexion Test
420-9900 Hybrid III 10 Year Old User Manual Rev.C	2015-07	420-9900 User Manual HIII-10 Year Old Rev.C	3.1. Head Calibration Procedure 3.2. Neck Calibration Test Procedure 3.4. Chest Calibration Procedure 3.5. Knee Calibration Procedure 3.6. Torso Flexion Calibration Procedure
SAE J2860	2012-09	Hybrid III 95th Large Male Test Dummy	4.1 Head Drop Test 4.2 Neck Tests 4.3 Thorax Impact Test 4.4 Knee Impact Test 4.5 Knee Slider Test 5.5 Torso Flexion Test 5.6 Foot Test
WorldSID Family			
WorldSID 5th Percentile Female			
W5-9900 WorldSID 5th	2015-08	User's Manual for the WorldSID 5th Small Adult Female Side Impact Dummy	9.1 - Head Test 9.2 - Neck Test 9.3 - Thorax/Shoulder Test 9.4 - Thorax with Half arm 9.5 - Thorax without arm 9.6 - Abdomen Test 9.7 - Pelvis Test
WorldSID 50th Percentile Male ISO/TS 15830, Parts 2			
	2013-02	WorldSID 50th Side impact Test Dummy	5.1 - Head Drop 5.2 - Neck Pendulum 5.3 - Shoulder Impact 5.3 - Thorax with Arm Impact 5.3 - Thorax without Arm Impact 5.6 - Abdomen Impact 5.6 - Pelvis Impact

Dok.: **FB 5.4-01**
 Rev.: **01**
 Datum: **15.09.2021**

Liste aller Normen im flexiblen Akkreditierungsbereich



W50-9900 WorldSID 50M User Manual Rev.K	2018-02	W50-9900 WorldSID 50M User Manual	<p>Section 8. Verification Procedures</p> <p>8.4 Head Tests</p> <p>8.5 Neck Tests</p> <p>8.6 Full-body Tests</p> <p>8.7 Shoulder Verification</p> <p>8.8 Thorax without Arm Verification</p> <p>8.9 Abdomen Verification</p> <p>8.10 Pelvis Verification Test</p>
Pedestrian Safety			
Pedestrian Legform ATDs			
UN-R 127, Rev. 2 Annex 6	2018-05	Einheitliche Bedingungen für die Genehmigung von Kraftfahrzeugen hinsichtlich ihrer Eigenschaften im Zusammenhang mit der Fußgängersicherheit. Anhang 6 Zertifizierung des Prüfkörpers	<p>1. Zertifizierung des flexiblen Beinformschlagkörpers</p> <p>2. Zertifizierung des Hüftformschlagkörpers</p> <p>3. Kinder- und Erwachsenenkopfform Fallprüfung</p>
User Manual FLEX PLI GTR	2019-05	User Manual FLEX PLI GTR	<p>Pedestrian Lower Legform Impactors</p> <p>Section 7. Calibration and Certification Testing</p> <p>7.2. Femur and Tibia Bone Assembly Certification</p> <p>7.3. Knee Certification</p> <p>Section 8. Pendulum Dynamic Certification</p> <p>Section 9. Dynamic Inverse Certification Test</p>
ISO/NP TS 20458	2019-11	aPLI (Road vehicles Design and performance specifications for advanced Pedestrian Legform Impactor)	<p>Femur Certification</p> <p>Tibia Certification</p> <p>Knee Certification</p> <p>Flesh Certification</p> <p>Knee test (type I)</p> <p>Femur test (type II)</p>
EuroNCAP TB 032 V.1.0 aPLI Dynamic Certification			
aPLI Dynamic Certification			
<p>1. aPLI Dynamic Certification Corridors</p> <p>1.4 Certification Corridors for the knee test (type I).</p> <p>1.5 Certification Corridors for the femur test (type II).</p>			
THOR Family (Test device for Human Occupant Restraint)			
THOR-5th Female 474-9901	2018-07	THOR 5th Percentile Female NHTSA Advanced Frontal Dummy	<p>2. HEAD QUALIFICATION</p> <p>3. FACE QUALIFICATION</p> <p>4. NECK QUALIFICATION</p> <p>5. THORAX QUALIFICATION</p> <p>6. ABDOMEN QUALIFICATION</p> <p>7. UPPER LEG QUALIFICATION</p> <p>8. LOWER LEG QUALIFICATION</p>

Dok.: **FB 5.4-01**
 Rev.: **01**
 Datum: **15.09.2021**

Liste aller Normen im flexiblen Akkreditierungsbereich



Certification Procedures for THOR AV 5th ATD	2021-01	Certification Procedures for THOR AV 5th Female ATD	2. HEAD QUALIFICATION 3. FACE QUALIFICATION 4. NECK QUALIFICATION 5. THORAX QUALIFICATION 6. ABDOMEN QUALIFICATION 7. UPPER LEG QUALIFICATION 8. LOWER LEG QUALIFICATION 9. LUMBAR / TORSO CERTIFICATION EVALUATION
THOR AV 50th ATD	2020-07	Certification Procedures for THOR AV 50th ATD	1.0 Head Certification Evaluation 1.1 Face Certification Evaluation 1.2 Neck Certification Evaluation 1.3 Thorax Certification Evaluation 1.4 Abdomen Certification Evaluation 1.5 Lumbar / Torso Certification Evaluation 1.6 Upper Leg Certification Evaluation 1.7 Lower Leg Certification Evaluation
THOR-50M Qualification Procedures	2018-09	Qualification Procedures Manual THOR-50M Test Dummy	4 - HEAD QUALIFICATION 5 - FACE QUALIFICATION 6 - NECK QUALIFICATION 7 - UPPER THORAX QUALIFICATION 8 - Lower THORAX QUALIFICATION 9 - ABDOMEN QUALIFICATION 10 - UPPER LEG QUALIFICATION 11 - KNEE QUALIFICATION 12 - ANKLE INVERSION AND EVERSION QUALIFICATION 13 - BALL OF FOOT QUALIFICATION 14 - HEEL QUALIFICATION
EuroNCAP TB 026	2020-11	THOR Specification and Certification THOR-50M Test Dummy (in according to NHTSA, UN-R94, SAE, EuroNCAP Corridors)	2. THOR Certification 2.1.1 Head Impact Test 2.1.2 Neck Tests, all 6 six conditions 2.1.3 Upper Thorax Impact at 4.3m/s 2.1.4 Left and Right Lower Thorax Impact 2.1.5 Abdomen Impact 2.1.6 Left and Right Upper Leg Impact 2.2 Test impact conditions 2.3 Thorax and abdomen displacement sensors 2.4 Certification corridors 2.5 The knee sliders 2.6 The HIII lower legs
BioRID II	2019-12	BioRID-II UN Certification Manual Rev.E 2019-10	BioRID Sled and Track System Certification Test BioRID Jacket Certification Test BioRID Pelvis Certification Test BioRID Dummy Certification with and without Headrest Test
NATO AEP-55 Annex E	2011-08	PROCEDURES FOR EVALUATING THE PROTECTION LEVEL OF ARMoured VEHICLES MIL-LX Legform	E2 - ATD PREPARATION AND CERTIFICATION

Erstellt:	Geprüft:	Freigegeben:
am: 13.09.2021	am: 13.09.2021	am: 15.09.2021
durch: Nejdet Kazanci	durch: Nejdet Kazanci	durch: Viktor Petker