

STS Directory

Accreditation number: STS 0492

International standard: ISO/IEC 17025:2017
 Swiss standard: SN EN ISO/IEC 17025:2018

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	Initial accreditation:	09.01.2008
	Current accreditation:	16.07.2018 to 15.07.2023
	Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 20.04.2021

Testing laboratory for technical and physical tests on vehicles and components thereof, aircraft, railway applications, cable railway applications, equipment and machinery, vehicle restraint systems and rock protection kits

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
MaLV SR 814.412.2: Equipment Noise Regulation, Annex 1 / Equipment for use outdoors Powered road vehicles: Noise emissions	- Sound power level measurements - Measuring driving noise, stationary noise and noise of air brake	MaLV (Machinery Noise Ordinance), Annex 2. A, C and 2000/14/EC Annexes V and VII Notified Body EU code number, NB 2251 70/157/EEC, ECE-R 51 ECE-R 41, ECE-R 59, ECE-R 92, ECE-R 9, ECE-R 117, ECE-R 63, ECE-R 138, VTS Annex VI



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Performance of braking systems	<ul style="list-style-type: none"> - Deceleration measurements - Determining brake proportioning - Checking ABS - Braking/roadholding tests - Measuring the response/ threshold duration - Checking the energy storage devices/energy sources - Tests on inertia dynamometer 	<ul style="list-style-type: none"> - ECE-R 13, ECE-R 13-H, - ECE-R 78, ECE-R 90, - ECE-R 131, ECE-R 139, - VO 2015/68, VTS Annex 7
Anchoring of safety belts, Seats, their anchorages, headrests, load restraint assemblies, rescue service vehicles and their equipment	<ul style="list-style-type: none"> - Static, quasi-static and dynamic tests - Tensile test for determining the resistance of the belts and their anchorage points - Determining the H point - Function test of the headrest and backrest - Testing the energy consumption of the headrest and backrest - Test for protection of the occupants against shifted items of luggage - Test of separating devices and protection devices - Tensile and compression test for determining the resistance of vehicle structure on load restraint assemblies (board wall, side wall, ...) 	ECE-R 14, ECE-R 16, ECE-R 17, ECE-R 25, ECE-R 26, ECE-R 29, ECE-R 42, ECE-R 58, ECE-R73, ECE-R 80, ECE-R 93, ECE-R 126, EN 12640, EN 12642, EN 1789
Vehicle structure, interior equipment and occupant load, Steering systems in accident shock, Interior fixtures and fittings	<ul style="list-style-type: none"> - Dynamic test of the occupant load at frontal- and lateral collision (interior, actuation device, roof, seat, backrest and headrest) - Energy absorption test (Steering Systems, Suspensions, Helmets) - Windscreen - VRS Vehicle Restraint System (Crash barriers, Impact attenuator and security barriers) 	ECE-R 12, ECE-R 21, ECE-R 22, ECE-R 32, ECE-R33, ECE-R 44, ECE-R 66, ECE-R 94, ECE-R 95, ECE-R 129, ECE-R 135, ECE-R 137, FMVSS 201, FIA 8864, FMVSS 208, FMVSS 212, NCHRP Report 350, EN 1317 IWA 14-1 ISO
Pedestrian protection	<ul style="list-style-type: none"> - Head, leg and hip impactor test 	ECE-R 127 VO (EG) 78/2009 and 631/2009
IBC tank	<ul style="list-style-type: none"> - Vibration and shock tests - Static, quasi-static and drop tests 	ADR/RID Construction and Test Specifications for Bulk Packaging Materials Chap. 6.5



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Fuel tank	<ul style="list-style-type: none"> - Tilt test - Hydraulic test 	ECE-R 34 Point 6.2 ECE-R 34 Point 6.1
Electric vehicles	<ul style="list-style-type: none"> - Testing of electric vehicles and the components of the high-voltage system 	ECE-R 100, ECE-R 136
Bicycles: Racing bicycles, city and trekking bicycles, children's bicycles, all-terrain bicycles, bicycle pannier racks	<ul style="list-style-type: none"> - Static and quasi-static tests - Impact tests - Drop tests - Fatigue tests - Dynamic tests 	EN 14781, EN 14764, EN 14765, EN 14766, EN 14872
Railway applications, Agricultural and forestry tractors: Operating equipment of rail vehicles crash-protected data recording devices	<ul style="list-style-type: none"> - Vibration and shock tests - Shock tests 	EN 61373
Driver seats	<ul style="list-style-type: none"> - Determining the spring characteristic and the lateral stability - Testing the vertical vibration characteristics - Determining the damping characteristics 	78/764/EEC
Cable railways: Cable railways for passenger traffic	<ul style="list-style-type: none"> - Fatigue tests 	EN 13796-3
Crash-protected data recorders: Railway- and flight-data recorders	<ul style="list-style-type: none"> - Impact shock - Static crush - Penetration - High temperature fire - Fluid immersion - Deep sea pressure - Magnetic field 	FRA 49 CFR 229, IEEE Std 1482.1, IEC 62625-1, EUROCAE ED-112, EUROCAE ED-155
Aircraft: Seats and berths	<ul style="list-style-type: none"> - Static and quasi-static tests - Dynamic structural and injury risk tests (HIC, ...), with the corresponding pulses as 14g, 16g, ... 	SAE AS 8049 ETSO-C127, ETSO-C39 NAS 806, NAS 809 AC 25.562, CFR 25.562 CS 25.561, CS 25.562, CS 27.952 TSO-C 127, TSO-C 39



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<p>Ships / Boats:</p> <p>Seats</p> <p>Construction Product:</p> <p>Falling rock protection kits (net, meshwork, rope, pillar, supporting and anchoring rope, brake)</p>	<ul style="list-style-type: none"> - Static and quasi-static tests - Dynamic tests - Dynamic testing of restraining effect of the complete protection system. - Dynamic measurement of elongation, static measurement of deformations, dynamic measurement of restraint forces. 	<p>International Code of Safety for High-Speed Craft (2000), Annex 10</p> <p>EAD 340059-00-0106 European Assessment Document of falling rock protection kits, FIA 3502</p>
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In case of contradictions in the language versions of the directories, the German version shall apply.

Abbreviation	Signification
AC	Advisory Circular Certification Specification
ADR/RID	European Agreement concerning the International Carriage of Dangerous Goods by Road
CS	Certification Specification
ECE Regulation	Regulation of the UNO European
EEC Directive	Economic Commission Directive of the European Economic Community
(E)TSO	Institute of Electrical and Electronics Engineers (European) Technical Standard Order
FMVSS	Federal Motor Vehicle Safety Standards
IEEE	Institute of Electrical and Electronics Engineers
IWA	International Workshop Agreement (ISO)
MaLV	Machinery Noise Ordinance
NAS	National Aircraft Standard
SAE	Society of Automotive Engineers
NCHRP	National Cooperative Highway Research Program
EAD	European Assessment Document
VTS	Regulation of technical requirements of road vehicles

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