



STS Directory

Accreditation number: **STS 0492**

International standard: ISO/IEC 17025:2005
Swiss standard: SN EN ISO/IEC 17025:2005

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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 16.07.2018

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 (Machinery Noise Ordinance Noise emissions), Annex 1 / Equipment and machines used outdoors	- Sound power measurements	MaLV (Machinery Noise Ordinance), Annex 2, A, C and 2000/14/EC Annexes V and VII Notified Body EU code number, NB 2251
Motorised road vehicles	Noise emissions - Measuring driving noise, standing noise and noise of air brake	70/157/EEC, ECE-R 51 ECE-R 41, ECE-R 59, ECE-R 92, ECE-R 9, ECE-R 117, ECE-R 63, 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)
Braking action	<ul style="list-style-type: none"> - Deceleration measurements - Determining brake proportioning - Checking ABS - Braking/roadholding tests - Measuring the response/threshold duration - Checking the energy tanks/energy sources - Tests on inertia dynamometer 	ECE-R 13, ECE-R 13-H, ECE-R 78, ECE-R 90, ECE-R 131, VO 2015/68, VTS Annex 7
Anchoring of safety belts, Seats, anchoring thereof and headrests, Load restraint, 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 belt 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 - Tensile and compression test for determining the resistance of vehicle structure on load restraint (board wall, side wall, ...) 	ECE-R 14, ECE-R 17, ECE-R 25, ECE-R 80, 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, actuator, roof and backrest) - Energy absorption test on steering systems - Windscreen - Impact attenuator 	ECE-R 12, ECE-R 21, ECE-R94, ECE-R95, FMVSS 201, FMVSS 208, FMVSS 212, NCHRP Report 350, EN 1317
Pedestrian protection	<ul style="list-style-type: none"> - Head impactor test - Leg impactor test - Hip impactor test 	VO (EC) 78/2009, 631/2009 ECE-R 127
IBC tank	<ul style="list-style-type: none"> - Vibration and shock tests - Static and quasi-static tests and drop tests 	ADR/RID Construction and Test Specifications for Bulk Packaging Materials Chap. 6.5
Fuel tank	<ul style="list-style-type: none"> - Tilt test - Hydraulic test 	ECE-R 34 Point 6.2 ECE-R 34 Point 6.1

1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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<p>Bicycles</p> <p>Racing bicycles, City and trekking bicycles, Children's bicycles, All-terrain bicycles, Bicycle pannier racks</p>	<ul style="list-style-type: none"> - Static and quasi-static tests - Impact tests - Drop tests - Fatigue tests - Dynamic tests 	<p>EN 14781, EN 14764, EN 14765, EN 14766, EN 14872</p>
<p>Railway applications, Agricultural and forestry tractors</p> <p>Operating equipment of rail vehicles Crash-protected data recording devices</p> <p>Drivers' seats</p>	<ul style="list-style-type: none"> - Vibration and shock tests - Shock tests - Determining the spring characteristic and the lateral stability - Testing the vertical vibration characteristics - Determining the damping characteristics 	<p>EN 61373</p> <p>78/764/EEC</p>
<p>Cable railways</p> <p>Cable railways for passenger traffic</p>	<ul style="list-style-type: none"> - Fatigue tests 	<p>EN 13796-3</p>
<p>Crash-protected data recorders</p> <p>Railway- and flight-data recorders</p>	<ul style="list-style-type: none"> - Impact shock - Static crush - Penetration - High temperature fire - Fluid immersion - Deep sea pressure 	<p>FRA 49 CFR 229, IEEE Std 1482.1-1999, EUROCAE ED-112, EUROCAE ED-155</p>
<p>Aircraft</p> <p>Seats and berths</p>	<ul style="list-style-type: none"> - Dynamic tests 14g, 16g, 30g, HIC - Static and quasi-static tests 	<p>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</p>



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<p>Construction Product</p> <p>Falling rock protection kits (net, meshwork, rope, pillar, supporting and anchoring rope, brake)</p>	<p>Dynamic Testing of restraining effect of the complete protection system. Dynamic measurement of elongation, static measurement of deformations, dynamic measurement of restraint forces</p>	<p>ETAG 027 Guideline for European Technical Approval of falling rock protection kits</p>

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
MaLV	Machinery Noise Ordinance
NAS	National Aircraft Standard
SAE	Society of Automotive Engineers
NCHRP	National Cooperative Highway Research Program
ETAG	European Technical Approval of falling rock protection kits
VTS	Regulation of technical requirements of road vehicles

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1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741