



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 14.02.2019

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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|--|--|--|
| 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 |



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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> | <ul style="list-style-type: none"> - Vibration and shock tests - Shock tests | <p>EN 61373</p> |
| <p>Drivers' seats</p> | <ul style="list-style-type: none"> - Determining the spring characteristic and the lateral stability - Testing the vertical vibration characteristics - Determining the damping characteristics | <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 - 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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|--|---|--|
| Ships / Boats | | |
| Seats | <ul style="list-style-type: none"> - Static and quasi-static tests - Dynamic tests | International Code of Safety for High-Speed Craft (2000), Annex 10 |
| Construction Product | | |
| Falling rock protection kits (net, meshwork, rope, pillar, supporting and anchoring rope, brake) | Dynamic Testing of restraining effect of the complete protection system. Dynamic measurement of elongation, static measurement of deformations, dynamic measurement of restraint forces | EAD 340059-00-0106 European Assessment Document of falling rock protection kits |

| 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 |
| EAD | European Assessment Document |
| VTS | Regulation of technical requirements of road vehicles |

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