



## STS Directory

## Accreditation number: STS 0153

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

Empa – Materials Science and  
Technology  
Structural Engineering Re-  
search Laboratory  
Ueberlandstrasse 129  
8600 Dübendorf

Head: Prof. Dr. Masoud Motavalli  
Responsible for MS: Dr. René Steiger  
Telephone: +41 58 765 40 28  
E-Mail: <mailto:masoud.motavalli@empa.ch>  
Internet: <http://www.empa.ch/abt303>  
Initial accreditation: 03.06.1996  
Current accreditation: 01.06.2020 bis 31.05.2025  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 01.06.2020

#### Testing laboratory for fatigue and static tests

Group of products or materials, field of activity	Principle of measurement <sup>3)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Various tests with multiple applications: construction materials, buildings, structural elements, reinforced concrete, steel, timber, masonry, composite materials, plastics, etc.	Application of loads using oil hydraulic test equipment and measuring of loads	In-house procedure (SOP 332)
	Application of loads using trucks and measuring of loads	In-house procedure (SOP 346)
	Measurement of displacement and elongation	In-house procedure (SOP 202)
	Measurement of strains	In-house procedure (SOP 201 and SOP 220)
	Deformation measurements applying the Image Correlation Method	In-house procedure (SOP 5068)



## STS Directory

## Accreditation number: STS 0153

Group of products or materials, field of activity	Principle of measurement <sup>3)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Pre-stressing cables and their anchorages in reinforced concrete	Fatigue testing of cables	Test specifications due to customer requests, based on different guidelines (e.g. PTI-Recommendations, EAD 160004-00-0301 (2016), ETAG 013 (2002), fib Bulletin No. 89, etc.) In-house procedure (SOP 219)
	Load transfer tests on post-tensioning systems	Test specifications due to customer requests, based on different guidelines (e.g. EAD 160004-00-0301 (2016), ETAG 013 (2002), etc.) In-house procedure (SOP 5242)
Reinforced concrete structures and structural elements	Determination of adhesion properties of reinforcing steel bars in concrete	SIA 162/1, Test method Nr. 35, outdated standard In-house procedure (SOP 229)

Abkürzung	Bedeutung
EAG	European Assessment Document
ETAG	European Technology Assessment Group
PTI	Post-Tensioning Institute USA
SIA	Swiss Society of engineers and architects
SOP	Standard Operation Procedure
STS	Swiss Testing Service

\* / \* / \* / \* / \*