

MTS labor standards

For everyone who has a sample for mechanical experiments at the Mechanical Testing System (MTS) from Section 4.8 Geoenergy.

Please follow the procedure and get in contact with the individual person for the individual tasks.

Responsible party:

[Guido Blöcher](#): A69-225, Tel: 1414 for: Scientific Leader of the MTS

[Tanja Ballerstedt](#): C425, Tel.: 1813 for: Responsible Technician for MTS - support, operation, repairments

[Lena Muhl](#): C222, Tel.: 27610 for: Operator - scientific support for experiments

1. sample preparation:

All samples need to have: name, sampling location and size (diameter and length), fill out the "Sample list" (Rock type, year, etc.)

Annunciation after GeoIDG, e.g. Brandenburg (Annunciation that you will do experiments with samples, after publication submit your results to the federal state)

for samples from Brandenburg: https://www.bohranzeige-brandenburg.de/Wizard/index_html?s1=1

for samples from Hessen: <https://www.bohranzeige.de/Wizard/>

EVERY Federal State has its own website!

Technical Staff

[Ahmed Qasarwa](#): C 424, Tel.: 27621 for: Polishing, drilling/coring, cutting

[Florian Jasper Lüdicke](#): E254, Tel.: 28772 for: Drilling/Coring, cutting

[Christian Cunow](#): C425, Tel.: 1448 for: FiberOptics

[Ronny Giese](#): C225, Tel.: 1539 for: technical drawings

2. get a date from technicians when your sample will be ready for MTS experiments

3. check the availability of MTS device in the nextcloud calendar

include some days as a buffer between the date from the technicians and your chosen day of experiment (delays in preparation are common)

Nextcloud-Link: has to be shared by Guido Blöcher (get in contact with him, see 4.1)

4.1 prepare for the talk with the Responsible party:

What experiment do you want to do?

Pressure Conditions (incl. loading rate), dry/saturated conditions, flooding (pumping system), Temperature (incl. heating/cooling time),

calculate approximated time for experiment (hours/days); working time (8 am to 5 pm)

4.2 talk to MTS supervisor:

1. Guido Blöcher - approval of experiment

operator who can do experiments besides Guido:

2. Tanja Ballerstedt or Lena Muhl

decide for the day(s) of experiment

5. register in the nextcloud link and reserve your MTS time slot

6. Day of your experiment: sign in the MTS users book (Excel Sheet on the PC)

7. working at MTS is only allowed together with a supervisor or assigned operator!

8. data can be uploaded on Nextcloud, don't connect USB sticks to the PC's

9. after your experiment:

Clean all devices, the work bench and all other used things; write final notes in the MTS user book

If equipment is missing, shrink tubes or other materials are nearly empty or something is broken/unusable report to Guido Blöcher and note in the MTS user book!

Thank you very much!