



Centre for Intercomparisons

Quality assurance of measurements

An intercomparison of measurement laboratories is a very effective tool for laboratories to demonstrate that they have good, accurate and quality assured results. For an accredited laboratory, intercomparisons are sometimes a requirement. Intercomparisons can also be used to ensure performance in a laboratory and to identify areas for improvement, as well as giving experience to laboratory staff. Interlaboratory comparisons are also used to establish the relationship between different laboratories.

CFI - Centre for intercomparisons

CFI - Centre for intercomparisons is an umbrella organization for a number of reference laboratories in the Nordic and Baltic countries. CFI reference laboratories are in most cases national metrology laboratories, which gives the intercomparisons low measurement uncertainty and a short traceability chain.

Technical areas

- Electricity
- Flow and volume
- Power and torque
- Length
- Mass
- Optics
- Pressure and vacuum
- Temperature

Join an interlaboratory comparison:

1. Find an intercomparison that matches your working field/ technology on www.intercomparison.org and register your company.
2. Wait for confirmation from CFI. The confirmation will include a preliminary delivery date for the intercomparison measurement object.
3. After arrival of the item, perform the calibration according to the attached instructions. The work should be finished within a specified time period.
4. Return the item to CFI and send/upload your results via www.intercomparison.org.
5. CFI compiles the results from all participants and will then publish a report, accessible only to the participants.

Privacy

All results and data are confidential. The final report will present all results from all participants, but each participant can only identify their own results.

New intercomparison measurements start regularly. Details, times and prices for intercomparisons in your field of technology are available at:

www.intercomparison.org



About CFI

CFI, the Nordic and Baltic centre for intercomparisons (proficiency testing) has been developed for the purpose to assist calibration- and testing laboratories to secure their measurement claims according to ISO/IEC 17025.

CFI works over a wide area of different measurement quantities, instruments and accuracy levels, and our goal is to assist both measurement laboratories and industrial users.

Since there are many un-accredited laboratories that also need to secure their measurement capability, the services are also open to them.

The services offered are developed in cooperation between the NMI (National Metrology institutes) in the Nordic and Baltic countries.

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