



## ***Calibration Service***

WTG's calibration package is more than just verification of performance specs. It is a complete package of services including inspection and maintenance. Our services uphold the value of the instrument and extend its lifetime.

- Full Functional Check
- Verification of RF Parts
- Alignment to highest precision
- Detailed reporting with traceable results

# Calibration Service

## Why calibrate?

Test equipment in the wireless world uses analog components such as capacitors, coils, RF amplifiers, mixers and many others. These component types may develop age related deviation from their rate, value or performance. WTG products are well known for high reliability, however even the most reliable components may deviate over time.

Additional stress caused by temperature changes, switching, humidity and even simple oxidation will cause deviation. Deviations may cause malfunctions or result in failed measurements. Because of this every test instrument requires periodic calibrations.

## What is WTG calibration service?

WTG Calibration Service goes beyond the mere verification of specification values. It covers inspection, maintenance, verification alignment and documentation, ensuring the return of a unit that is as precise as a new unit.

## Inspection

Each unit is inspected for damage, wear and tear. Key functions are tested and the display is checked (if applicable). Small damaged parts that are detected during the inspection will be replaced immediately. If the unit shows more extensive damage, customers will be contacted with an estimate for the required repair.

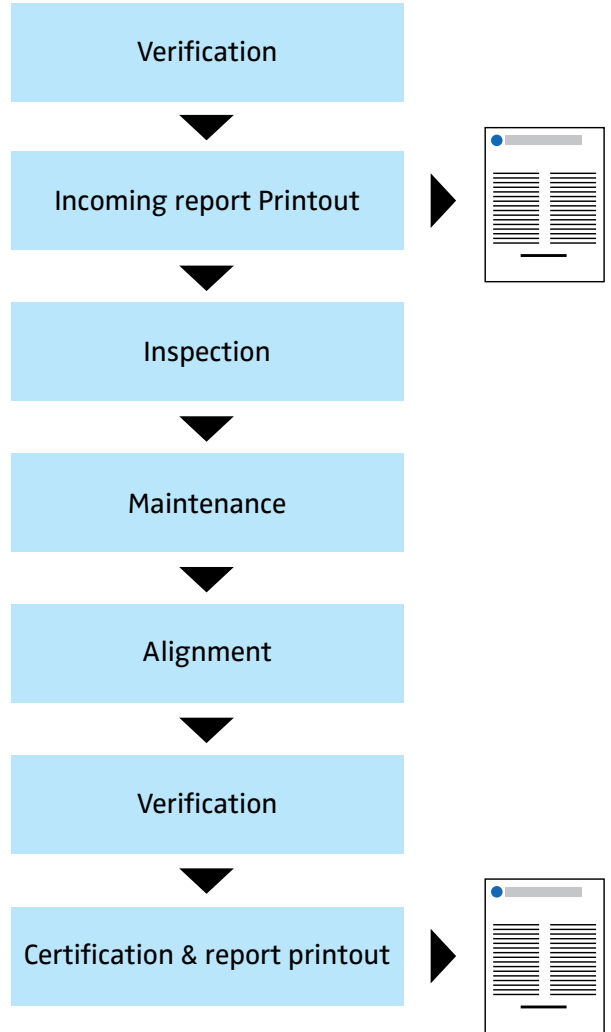
## Maintenance

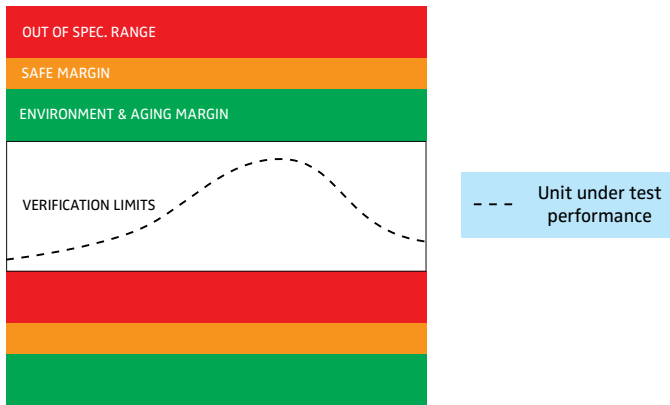
Units sent for calibration undergo a standard maintenance procedure. Displays are cleaned of dust and marks. Fans are cleaned to enhance cooling and the lifespan of the instrument.

## Verification

An essential part of WTG's calibration service is verification. All specified measurement and performance data are checked. The verification limits are tighter than the unit's specifications ensuring that results remain accurate until the next calibration.

## Calibration





### Alignment

If equipment has drifted out of verification limits, the instrument will be aligned. Alignment tunes the calibration data into the range center of the verification limits, resulting in maximum measurement precision. Only WTG and authorized WTG Service Centers have the competence necessary to provide such alignments.

### Documentation

Customers receive certificates that precisely describe the instrument's status. The Calibration Certification declares conformity of the unit with the published specifications. Any information found during examination is noted in this document.

### A calibration service you can trust

WTG Service Centers and authorized WTG Service partners perform service that is traceable to national standard institutes.

### A calibration service tailored to your needs

WTG offers a top calibration service that verifies compliance with international standards. If the instrument fails verification limits, an alignment is preformed. The top calibration performance has full sets of data, including initial and final, with a certificate listing as-received condition. WTG provides the calibration certificate and traceability sheets. These reports show that measurement results can be traced in a method similar to continuous production statistics. Before-and -after comparisons can also be shown. Finally, any software updates or engineering changes that effect the units operation are preformed as part of our normal service.

### Verification with tighter limits

Normal calibration verifies the instrument's behavior with published specifications. WTG Calibration Service tightens these limits ensuring the instrument's performance stays within limits until the next calibration is due. These limits are tightened considering environmental influences such as temperature and humidity and component aging.

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