

Service Form Filling Guide

1. Always complete the first page of the RTI Calibration Form.
2. For a **standard calibration**, select "**Same calibrations as today.**"
 - *This option is the easiest for customers.*
 - *Then, fill in only the section titled "Probes and accessories for calibration."*
3. For those who have checked "**Customized calibration**" on the first page, also fill in the relevant section on the second page of the form.
 - *This additional information is required for tailored calibration services.*
4. For customers who are unsure about the components in their RTI system, the "**Same calibrations as today**" function is highly recommended.
 - *This option simplifies the process and aligns with the existing configuration.*
5. The customization section is intended for users with advanced knowledge of their calibration needs and RTI's capabilities.
6. Note that Piranha calibration always follows the model-specific standards.
 - *For example, a Piranha Multi (657) will undergo recalibration of the electrometer and Radiography, Fluoroscopy, Mammography, CT, and Dental calibration.*



RTI Calibration Form



We are honored that you choose to calibrate at RTI. We will do our very best to meet and exceed your expectations!

Calibration options

Same calibrations as today

RTI calibrates all parts with the calibrations they have today

Customized calibration Specify on page 2

Accredited HVL calibration for Piranha and Cobia
(included in Mako calibrations)

Repair

Error and repair

Specify at the end of this page

Company Information

Main unit/s

Your Company Name:	Main Unit:	S/N:
Contact person:	Main Unit:	S/N:
E-mail:	Main Unit:	S/N:
Phone:	Main Unit:	S/N:
Order No:	Scatter Probe	S/N:

Invoice Address

Shipping Address *If different from Invoice Address*

Company name:		Company name:	
Contact person:		Department:	
Street:		Street:	
Zip/post code:	City:	Zip/post code:	City:
Country:		Country:	

End user information on certificates, Company Name:	
Street:	
	Standard Freight (RTI handles freight and adds charges to invoice.)
Zip/post code:	Own Forwarder:
City:	Freighter name:
Country:	Freight Account No:

Service Options

No Next Calibration Date on certificates

Next Calibration date on certificates (12 months)

Next Calibration date on certificates (24 months)

Extended Warranty (24 months)

Express service (additional 50% of Calibration cost)

Pre-paid Calibration

Error report:

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The RTI Calibration Laboratory in Mölndal, Sweden, is an Accredited Dosimetry Calibration Laboratory.

The calibrations are traceable to international standards and accredited by SWEDAC to ISO/IEC 17025:2017. SWEDAC is a member of the EA, IAF, and ILAC.

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VAT number: SE556230246201

Probes and accessories for calibration

Probes	Serial number	Arrived to RTI	Shipped from RTI
Dose Probe		
Light Probe		
MAS-1		
MAS-2		
MAS-3		
T20		
CT Dose Profiler		
Ion Chamber		

Probes	Serial number	Arrived to RTI	Shipped from RTI
DAP Chamber		
Chamber Adapter		
Mako R/F Probe		
Mako Mammo Probe		
Mako Dental Probe		
Mako Ion Chamber Module		
Mako mAs Module		
Mako Legacy Module		

Accessories

- Monitor Adapter for Light Probe – Needed for calibration!
- Lux Adapter for Light Probe – Needed for calibration!
- Monitor Shield for Light Probe
- Adapter Cable for MAS-probes to connect to Piranha, Cobia, or Barracuda - Needed for calibration!
- Connector Cable for MAS-probes to connect to X-ray generator
- MPD Cable for MPD to connect to Barracuda cabinet – Needed for calibration!
- Power Supply Qty: Specify type(s):
- Tablet Mako Display

Other items, specify:

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Customized Calibrations (Optional part)

Dose Probes (R100, Piranha Dose Probe, RTI Dose Probe)

- 9603270-02 BQ R2, (Rad, W/23 mm Al) 9603273-02 BQ M1, (Mam, Mo/30 µm Mo)
- 9603271-02 BQ R1, (Rad, W/3 mm Al) 9613318-02 Check GE IQST (GE only)

Ion Chambers

- 9603286-02 RQR 8, (W/2,5 mm Al, 100 kV) 9603271-02 BQ R1, (Rad, W/3 mm Al)
- 9603288-02 RQR 9, (W/2,5 mm Al, 120 kV) 9603273-02 BQ M1, (Mam, Mo/30 µm Mo)
- 9613351-02 RQT 9, (W/Al+0.25mm Cu, 120 kV)

DAP/KAP Chambers

- 9608202-02 Calibration Incident Radiation to KAP chamber – Standard 9608203-02 Calibration Transmitted radiation through KAP chamber

Other Detector

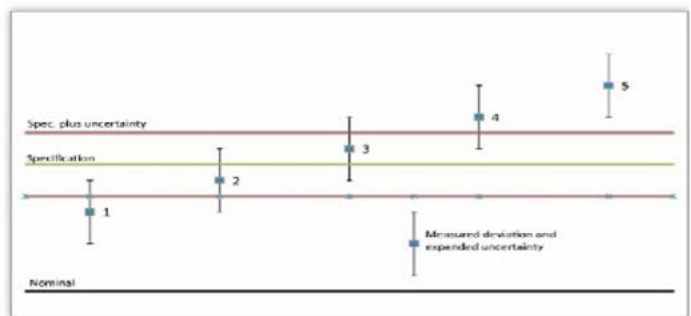
- 9613317-02 Calibration other

Process and Pass/Fail Criteria

All incoming instruments are checked at RTI's ISO 17025 accredited laboratories. An 'As Found' status, for the meter, is given based on a comparison against certain criteria, as stated below. Guidelines for statements of compliance and non-compliance are found in GUM (Guide to the Expression of uncertainty in Measurements), EA-4/02 (Expression of the Uncertainty of Measurement in Calibrations), and ILAC-G8: 09/2019. The pass and fail criteria are based on Simple Acceptance (formerly called Case 2), as expressed in ILAC-G8:09/2019. The graph, shows five (5) possible measuring results with its expanded uncertainty given with a confidence level of 95%, and how the results are compared to the check limits.

The check limits are the published specifications given in reference user's manuals.

Cases 1 and 2 are indicated as pass (with tolerance).
Cases 3, 4, and 5 are indicated as fail (out of tolerance).



If you have any questions as to RTI's standardized calibration methods or pass/fail criteria, please don't hesitate to contact RTI Service at: service@rtigroup.com