



Dutch  
Metrology  
Institute

# Facts Sheet Interlaboratory Comparison

## Resistance – Round 1

**Visiting & Shipping Address:**

VSL  
Thijsseweg 11  
2629 JA Delft  
The Netherlands

**Mail Address:**

VSL  
P.O. box 654  
2600 AR Delft  
The Netherlands

**Coordinator:**

Peter van Otterloo  
+31 15 269 1500  
ComPass@vsl.nl

**Information about the artifact to be circulated:**

A set of 6 VSL standard resistors with the following resistance values:  
25 Ω, 100 Ω, 1 kΩ, 10 kΩ, 100 kΩ and 1 MΩ.

**Reference laboratory:**

VSL, the Dutch National Metrology institute (international traceability of the reference values to the primary Quantum Hall resistance standard is guaranteed)

**Estimate number of participants:**

Minimum number of participants: 5  
Maximum number of participants: 30

**Measurements protocol:**

Will be provided with the artifact, participants have two weeks to perform the calibration

**Fee:**

€ 1950.00 (ex. VAT & transport)

**Evaluation:**

Evaluation by  $E_n$  value.

All participants will receive a report and certificate of the interlaboratory comparison within two months after ending the comparison cycle.

**Accreditation:**

The organisation of this Interlaboratory Comparison is in accordance with the requirements of the ISO/IEC-17043 standard.

**Confidential statement:**

"VSL keeps all data regarding the performance of individual participants, or groups of participants, strictly confidential. Data is accordingly protected and stored in areas on networks with restricted access. The relationship between results and the laboratories that submitted them will never be disclosed. Only the laboratory is granted access to its performance through the assigned code number."

**Schedule:**

Registration until 1 June 2016  
Start of the comparison cycle October 2016  
Estimated end of the comparison is May/June 2017

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**Requirement 5.9 ISO/IEC 17025:**

*Assuring quality of testing and calibration results:* The laboratory will have quality control procedures for monitoring test validity and calibrations undertaken. This monitoring will be planned and validated and may include the following: *participation in interlaboratory comparisons or proficiency-testing programmes.*



# Registration for Interlaboratory Comparison

## Resistance Round 1

Organisation/Laboratory:	
<b>Contact person</b>	
Title:	
Name:	
E-mail:	
Tel:	
Fax:	
<b>Correspondence address</b>	
Street / P.O. Box:	
Postal code:	
City:	
State / Province:	
Country:	
<b>Delivery Address</b>	
Street: <i>(do NOT use a P.O. box here)</i>	
Postal code:	
City:	
State / Province:	
Country:	
<b>Invoice Address</b>	
Street / P.O. Box:	
Postal code:	
City:	
State / Province:	
Country:	

### Participation in:

**ILC Resistance round 1** € 1950.00

Purchase Order number:	
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**Registration until 1 June 2016, minimum: 5 participants, maximum: 30 participants!**

#### Note:

- VSL reserves the right to cancel the ILC in case the number of participants is smaller than anticipated
- No refunds will be given for failure to take part in the ILC
- Upon receipt of payment, the report will be published.
- General Terms and Conditions of VSL B.V. are applicable
- Prices (EUR) are exclusive VAT and shipping costs

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

#### Please return form to:

VSL, Peter van Otterloo, P.O. Box 654, 2600 AR Delft, The Netherlands  
Fax +31 15 261 2971 or E-Mail to [ComPass@vsl.nl](mailto:ComPass@vsl.nl)