

## ComPass - Comparison and Proficiency Assessment Services

### Extended scope for the organization of proficiency tests in accordance with the requirements of ISO/IEC 17043

VSL, the Dutch Metrology Institute, has significantly extended the scope for their accreditation with registration number R006, the organisation of proficiency tests in accordance with the requirements of ISO/IEC 17043.

VSL has more than 30 years of experience in interlaboratory comparisons. We organize interlaboratory comparisons and proficiency testing (PT) schemes in many different fields, from pressure, mass and viscosity to chemical analysis, and from temperature and humidity to electricity, length and gas flow.

As from September 25<sup>th</sup>, 2013, the relevant accreditation scope includes all of our calibration capabilities across all technological fields which are listed in our ISO/IEC 17025 accredited calibration scope with registration number K999. This means that VSL is now accredited by the Dutch Accreditation Council (RvA) to organize proficiency testing schemes for almost any field. Furthermore VSL can also offer customised service at an unprecedented level.

With this new extended scope we have optimized our capabilities to assist (calibration) laboratories to improve and maintain the quality of their services.



### **Intercompany Comparison Service:**

*Comparisons based on your organization's unique needs.*

With our Intercompany Comparison Service you can organize your own unique interlaboratory comparison for your company, region or country. VSL's Intercompany Comparison Service combines the need for traceability and participating in an interlaboratory Comparisons to your requirements.



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Chemistry: Gas Analysis				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
O <sub>2</sub> in N <sub>2</sub> (10 - 22 %)	3	Finished		Yes
SO <sub>2</sub> in N <sub>2</sub> (100 – 1000 ppm)	4	Finished		Yes
Composition of Oxy-VOC	Pilot	Cancelled		No
Composition of Halogenated VOC	Pilot	Cancelled		No
Binary mixture : NO in N <sub>2</sub>	7	In progress		Yes
Binary mixture : CO <sub>2</sub> in N <sub>2</sub>	3	On hold	Open for registration until 3 August 2016	Yes
Binary mixture : CH <sub>4</sub> in N <sub>2</sub>	2	In progress		Yes
Binary mixture : Formaldehyde	Pilot	Autumn 2016	Open for registration until 1 October 2016	Yes
Composition of (Liquefied) Natural Gas	34	Finished		Yes
	35	In progress		Yes

VSL reserves the right to cancel any ILC

**VSL B.V.**  
Thijsseweg 11, 2629 JA Delft, the Netherlands  
+31 (0) 15 269 1500, ComPass@vsl.nl

September 2016 - Page 2 of 14



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Chemistry: Gas Analysis				
Description	Round	Start period	Remarks	ISO17043 Accredited
	36	In progress	Open for registration until 3 August 2016	Yes
Determination of sulphur compounds in Natural Gas	35	Draft report published		Yes
	36	In progress		Yes
Biogas	Pilot	In progress		No
Siloxanes	Pilot	In progress		No
Composition of Stack Gas	15	Finished		Yes
	16	In progress		Yes
Composition of Refinery Gas	15	Finished		Yes
	15	In progress		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Electrical DC/LF				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
Time & Frequency : Oscillator/generator	1	In Progress		Yes
Calibration of a Digital Multimeter	3	Finished		Yes
Simulator for Temperature Sensors	1	Winter 2016	Open for registration	Yes
Calibration of a LCR meter	1	Finished		Yes
Inductance	2	2016/2017		Yes
Resistance	1	In Progress		Yes



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## ComPass - Comparison and Proficiency Assessment Services

Electrical HF				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
HF Power	1	Completed		No
	2	2016/2017		Yes
RF-S parameters	2	In Progress		Applied



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Environmental				
Description	Round	Start period	Remarks	ISO17043 Accredited
Volatile Organic Compounds	11	Finished		Yes
	12	Winter 2016/2017	Open for registration	Yes
ROAS - Asbestos fibre counting	36	Finished		No
	37	Finished		No
	38	In Progress		No
RIAB - Asbestos Identification in Raw Materials	64	Finished		
	65	Finished		No
	66	Finished		No
	67	In Progress		No
	68	Winter 2016		No



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Mass				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
Weights of OIML Class F1 (2 kg, 200g, 50 g, 1 g, 200 mg)	2	Completed		No
Weights of OIML class F1 and M1 (100 g, 2 kg, 5 kg, 20 kg)	3	In Progress		Yes
Non Automatic Weighing Instruments (NAWI) Calibration of a balance (0 ÷ 60 kg)	1	Completed		No
Non Automatic Weighing Instruments (NAWI) Calibration of a balance (0 ÷ 10 kg)	2	Cancelled		No



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Temperature				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
Temperature Block Calibrator	2	Completed		Yes
	3	Winter 2016	Open for registration	Yes
Thermocouple (Type S or N)	2	Completed		Yes
	3	2016/2017		Yes
Liquid-in-glass thermometer	2	Completed		Yes
	3	Winter 2016	Open for registration	Yes
Dew point meter	2	Closed		Yes
	3	Spring 2017		Yes
Data logger (Relative humidity & temperature)	2	Completed		Yes
	3	Completed		Yes





# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Temperature				
Description	Round	Start period	Remarks	ISO17043 Accredited
Digital thermometer & IPRT	2	Completed		Yes
	3	Completed	( -80 °C ; +400 °C)	Yes
Pt-100	1	Winter 2016/2017		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Pressure				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
Barometer - (940 ÷ 1060) hPa a	3	Completed		Yes
	4	Summer 2017		Yes
(10 ÷ 100) MPa g	1	Completed		Yes
(0 ÷ 5) MPa	2	Completed		Yes
	3	In Progress		Yes
(0 ÷ 1) MPa	2	Spring 2017		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Optical				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
Solid State Lighting (SSL)	1	Winter 2016	VSL is the mandate holder for the IC2013 Measurement Method developed within IEA 4E SSL Annex Programme	Partially

Gasflow				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes

Force				
Description	Round	Start period	Remarks	ISO17043 Accredited
Calibration of a Force transducer	1	Winter 2016	Open for registration	No



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Flow of Liquids				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
Coriolis flowmeter (11-227 L/min)	1	Postponed		Yes
liquid flow meters for Hydrocarbon (60 to 2200 m <sup>3</sup> /h)	1	Postponed		Partially

Ionising radiation and radioactivity				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
Personal Dosemeter (ISO 4037)	-	Continues		Yes
Photon beam (1-25 MV)	-	Continues	On site	Applied
Radiochromic film and phantom	-	Continues		Applied



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Dimensional				
Description	Round	Start period	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K99 scope</a> )	-	On request		Yes
Calibration of gauge blocks	1	Completed		Yes
	2	Summer 2017		
Laser Distance Measurer	1	Winter 2016	Open for registration	Applied
Complete 2016 schedule not yet determined				



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Volume				
Description	Round	Start period	Remarks	ISO17043 Accredited
Micropipettes	3	Completed		No
	4	Draft report published		No
Pycnometer		On request		Yes
Volumetric flask		On request		Yes