

## Information sheet

### Proficiency tests metal 2015

Organiser:	<b>Institut für Eignungsprüfung IfEP GmbH, Marl, Germany</b>
Registration:	By means of the attached form
Intention:	Confirmation of technical competence of participating laboratories
Data evaluation:	Based on ISO/IEC 17043 and ISO 13528. <b>Normally the participation is approved for accreditations according to NADCAP.</b>
Confidentiality:	Each laboratory receives a specific code number
Documentation:	Confirmation of participation Certificate in case of successful participation Final report with a list of participants in alphabetical order with declaration of consent; determination of measurement uncertainty according to the current standards and guidelines. Details for subcontracting of single parts: please see <a href="http://www.ifep.de">www.ifep.de</a> , section „proficiency tests“

<b>No. 1501 Hardness testing Vickers</b>	Test Standard:	EN ISO 6507, part 1, HV 1, HV 10/HV 30
	Material:	Certified reference hardness test block (MPA NRW Dortmund, Germany) Test material with similar hardness (to be prepared by participants)
	Test program:	five hardness measurements on certified reference hardness test block five hardness measurements on test specimen
	Test sequence:	Each hardness test block will be tested by several participants. There will be an arrangement of the dates in advance.
	Results to be submitted:	five hardness values of the hardness test blocks five hardness values of test material
	Assigned value:	Certified reference values of MPA NRW Dortmund, Germany
	Additional information provided by organiser:	Confirmation of measurement uncertainty of each laboratory based on the current standard
	Participation fee:	<b>HV 1 or HV 10/HV30:</b> Germany 330 €; other countries + transport costs* <b>HV 1 and HV 10/HV30:</b> Germany 490 €; other countries + transport costs* estimated start calendar week 05/2015

<b>No. 1502 Mobile hardness testing</b>	Test Standard:	All mobile methods are accepted; Leeb (HLD, HLG), UCI, TIV
	Material:	Reference specimens
	Production of specimens:	By the organiser
	Test sequence:	Each reference specimen will be tested by several participants. There will be an arrangement of the dates in advance.
	Results to be submitted:	5 hardness values according to the method used
	Assigned value:	Reference value
	Participation fee:	Germany 320 €; other countries + transport costs* estimated start calendar week 20/2015

<b>No. 1503 Emission spectrometry steel</b>	Test standard:	In-house procedure
	Material:	Material similar to daily laboratory work (no „synthetic alloy“) <b>a) unalloyed steel</b> <b>b) low alloyed steel</b>
	Results to be submitted:	Characteristic values according to specifications
	Assigned value:	Consensus value calculated from the results of all participants
	Additional information:	Statements with regard to measurement uncertainty
	Participation fee:	<b>One alloy:</b> Germany 310 €; other countries + transport costs* <b>Two alloys:</b> Germany 550 €; other countries + transport costs* estimated start calendar week 10/2015

<b>No. 1504 Emission spectrometry (non ferrous-metals)</b>	Test standard:	In-house procedure
	Material:	Material similar to daily laboratory work (no „synthetic alloy“) <b>Al-alloy</b>
	Results to be submitted:	Characteristic values according to specifications
	Assigned value:	Consensus value calculated from the results of all the participants
	Additional information:	Statements with regard to measurement uncertainty
	Participation fee:	Germany 275 €; other countries + transport costs* estimated start calendar week 10/2015

\* Prices excl. valid VAT, transport costs, see [www.ifep.eu](http://www.ifep.eu)

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<b>No. 1505</b> Resistance against intergranular attack	Test standard:	EN ISO 3651 part 2
	Material:	Stainless steel
	Production of specimens:	By the participants
	Results to be submitted:	Acc. to standard
	Assigned value:	Consensus value calculated from the results of all participants
	Participation fee:	Germany 310 €; other countries + transport costs* estimated start calendar week 12/2015
<b>No. 1506</b> Indirect verification of salt spray test chamber	Test standard:	EN ISO 9227
	Material:	Reference specimens
	Production of specimens:	By the organiser
	Results to be submitted:	Mass loss
	Assigned value:	Reference value
	Participation fee:	Germany 275 €; other countries + transport costs* estimated start calendar week 12/2015
<b>No. 1507</b> Tensile test of round bar steel at elevated temperature	Test standard:	EN ISO 6892-2
	Material:	Round bar steel, testing at 400 °C
	Production of specimens:	By the organiser
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty (not evaluated)
	Assigned value:	Consensus values calculated from the results of the participants
	Participation fee:	Germany 450 €; other countries + transport costs* estimated start calendar week 15/2015
<b>No. 1508</b> Non-destructive testing	Test standard:	RT, MT
	Material:	Steel specimens with flaws defined for the test method
	Results to be submitted:	Type / position / size of flaws
	Assigned value:	Sample solution of Fraunhofer IZFP Saarbrücken, Germany
	Test sequence:	Each sample will be tested by several participants. There will be an arrangement of the dates in advance.
	Participation fee:	<b>One method:</b> Germany 350 €; other countries + transport costs* <b>Two methods:</b> Germany 620 €; other countries + transport costs* estimated start calendar week 25/2015
<b>No. 1509</b> Tensile test steel round bars	Test standard:	EN ISO 6892-1
	Material:	6 round specimens, steel, Specimen diameter $d_0 = 10$ mm Specimen head ISO thread M16, special shapes possible against payment
	Production of specimens:	By the organiser
	Results to be submitted:	Characteristic values according to the Test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned value:	Consensus value calculated from the results of all the participants
	Participation fee:	Germany 450 €; other countries + transport costs* estimated start calendar week 35/2015
<b>No. 1510</b> Tensile test steel flat tensile specimens	Test standard:	EN ISO 6892-1
	Material:	6 flat specimens, thickness approx. 1 mm, geometry according to EN 6892-1, annex B, table B2, 20 mm width
	Production of specimens:	By the organiser
	Results to be submitted:	Characteristic values according to the Test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned value:	Consensus value calculated from the results of all the participants
	Participation fee:	Germany 330 €, other countries + transport costs* estimated start calendar week 22/2015

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<b>No. 1511</b> <b>Charpy impact testing</b>	Test standard:	ISO 148-1 / ISO 148-2
	Material:	Charpy test specimens, impact energy low level (RT), average level (RT), high level (RT)
	Production of specimens:	By the organiser
	Results to be submitted:	5 values according to ISO 148 each energy level
	Assigned value:	Reference value, limits according to ISO 148-2
	Additional information:	Measurement uncertainty according to ISO 148-2
	Participation fee:	<b>One energy level:</b> Germany 310 €; other countries + transport costs* <b>Two energy levels:</b> Germany 490 €; other countries + transport costs* <b>Three energy levels:</b> Germany 630 €; other countries + transport costs* estimated start calendar week 25/2015

\* Prices. excl. valid VAT, transport costs, see [www.ifep.eu](http://www.ifep.eu)

### Registration proficiency tests metal 2015

via fax to: **+49 (0) 2365 / 209 00 35** or via e-mail to: **Sorge@ifep.de**

We will participate in the following proficiency test(s):

No.	please mark	Proficiency test	Expected Start (calendar week 2015)	Return of the results	Participation fee	A bilateral registration for the proficiency tests after the official start date is still possible!
1501a	<input type="checkbox"/>	Hardness testing acc. to Vickers HV 1	05	1 week	1501a or 1501b: total 330 € *	
1501b	<input type="checkbox"/>	Hardness testing acc. to Vickers HV 10/HV 30	05	1 week	1501a and 1501b: total 490 € *	
1502	<input type="checkbox"/>	Mobile hardness testing	20	1 week	320 € *	
1503a	<input type="checkbox"/>	Emission spectrometry: unalloyed steel	10	4 weeks	1 alloy: total 310 € *	
1503b	<input type="checkbox"/>	Emission spectrometry: low alloyed steel	10	4 weeks	2 alloys: total 550 € *	
1504	<input type="checkbox"/>	Emission spectrometry: aluminium alloy	10	4 weeks	275 € *	
1505	<input type="checkbox"/>	Resistance against intergranular attack	12	4 weeks	310 € *	
1506	<input type="checkbox"/>	Indirect verification of salt spray test chamber	12	4 weeks	275 € *	
1507	<input type="checkbox"/>	Tensile test of round bar steel at elevated temperature	15	4 weeks	450 € *	
1508a	<input type="checkbox"/>	RT, radiographic testing	25	1 week	1 method: total 350 € *	
1508b	<input type="checkbox"/>	MT, magnetic particle testing	25	1 week	2 methods: total 620 € *	
1509	<input type="checkbox"/>	Tensile test steel: round bars	35	4 weeks	450 € *	
1510	<input type="checkbox"/>	Tensile test steel: flat tensile specimens	22	4 weeks	330 € *	
1511a	<input type="checkbox"/>	Charpy impact test low level	25	4 weeks	1 level: total 310 € *	
1511b	<input type="checkbox"/>	Charpy impact test average level			2 levels: total 490 € *	
1511c	<input type="checkbox"/>	Charpy impact test high level			3 levels: total 630 € *	

\* Prices for Germany excl. VAT, other countries: Delivery and duty costs will be added to participation fee, see [www.ifep.eu](http://www.ifep.eu)

The costs have to be paid to Institut für Eignungsprüfung IfEP in advance. **Specimens will be sent to the participants upon payment by the participant.** The organiser will charge 25 % of the fee if the registration is cancelled four weeks prior to the start of the proficiency test. For cancellations later than this, the full amount will be charged.

Company:		Date / signature /stamp	
Department:			
Contact person: <input type="checkbox"/> Ms. <input type="checkbox"/> Mr.			
Address:			
ZIP Code:	City:	Country:	<input type="checkbox"/> german <input type="checkbox"/> english
Telephone:	Fax:	E-Mail:	
<b>Necessary additional information: Your companies' tax identification number:</b>			
Billing address (if differing):		Delivery address (if differing):	
Further invoice-details, e.g. cost unit:			
<b>I confirm with my signature that the service is carried out for my/our company (and not for a private person).</b>			