

# Center for quality assurance for testing of dangerous goods and hazardous substances



**BAM Federal Institute for  
Materials Research and Testing**

Department II.  
"Chemical Safety Engineering"  
Working group  
"Legislation in Chemical Safety Engineering"  
D-12200 Berlin, Germany



**Quality Management and  
Statistics GmbH**

Kaitzer Straße 135  
D-01187 Dresden, Germany



**Physikalisch-Technische  
Bundesanstalt (PTB)**

Department 3.4 "Fundamentals of  
Explosion Protection"  
Working Group 3.41 "Safety Characteristics"  
D-38116 Braunschweig, Germany

*to whom it may concern*

2009-05-26

## - Extended round robin test program - 5<sup>th</sup> Call for expression of interest of participation

Interlaboratory comparisons are a crucial element of a laboratory's quality system. Participation in intercomparisons is explicitly recommended by the laboratory quality standard ISO/IEC 17025. BAM, quo data GmbH and PTB start to organise intercomparisons in selected fields of competence for testing of dangerous goods<sup>1</sup> and hazardous substances<sup>2</sup>.

Participation in these exercises is open to laboratories world-wide. All data and the evaluation will be dealt with anonymously. Each participant will get a certificate which allows him to identify his laboratory's results by the lab-code. No other participant will be able to assign other results to other laboratory.

This 5<sup>th</sup> call contains the below-mentioned, revised and extended list of methods. If you are interested to participate in this round robin program, we ask you to please fill out the following list and send it back to us. This information is necessary for the organiser of the exercise to prepare the necessary number of samples and for the financial calculation of charges.

We are interested in interlaboratory comparison tests on the following methods:

- |  |   |   |  |
|--|---|---|--|
| <input type="checkbox"/> UN E.1<br>(class 4.1/5.2 Koenen test)   | <input type="checkbox"/> UN N.3<br>(class 4.2 pyroph. liquids)      | <input type="checkbox"/> UN Section 31<br>(class 2 flamm. aerosol)    | <input type="checkbox"/> EC A.17<br>(oxidizing solids)                   |
| <input type="checkbox"/> UN E.2<br>(class 4.1/5.2 DPVT)          | <input type="checkbox"/> UN N.4<br>(class 4.2 self-heating)         | <input type="checkbox"/> EC A.9<br>(flashpoints)                      | <input type="checkbox"/> EC A.21<br>(oxidizing liquid)                   |
| <input type="checkbox"/> UN C.1<br>(class 4.1/5.2 time/pressure) | <input type="checkbox"/> UN N.5<br>(class 4.3 flammability - water) | <input type="checkbox"/> EC A.10<br>(flammability solids)             | <input type="checkbox"/> ISO 10156<br>(class 2 (O) oxidizing gases)      |
| <input type="checkbox"/> UN H.4<br>(class 4.1/5.2 SADT)          | <input type="checkbox"/> UN O.1<br>(class 5.1 oxidizing solid)      | <input type="checkbox"/> EC A.11<br>(flammability gases)              | <input type="checkbox"/> ISO 10156<br>(class 2 (F+) flamm. gases)        |
| <input type="checkbox"/> UN N.1<br>(class 4.1 combustib. solid)  | <input type="checkbox"/> UN O.2<br>(class 5.1 oxidizing liquid)     | <input type="checkbox"/> EC A.14<br>(explosive properties)            | <input type="checkbox"/> ISO 9038<br>(sustained combustability, liquids) |
| <input type="checkbox"/> UN N.2<br>(class 4.2 ,pyroph. solid)    | <input type="checkbox"/> UN C.1<br>(class 8 corrosivity)            | <input type="checkbox"/> EC A.15<br>(auto-ignition gases and liquids) | <input type="checkbox"/> Combustible dust<br>(safety characteristics)    |
|  |   |   | <input type="checkbox"/> other, please specify:                          |

Name: .....

Organization: .....

Street: .....

Town: .....

Country: .....

Tel.: .....

Fax: .....

E-mail: .....

**Please send this information either via fax or email to:**

Dr. Peter Lueth (BAM)

Fax: +49 +30 8104 1207

E-mail: [peter.lueth@bam.de](mailto:peter.lueth@bam.de)

<sup>1</sup> Test methods for dangerous goods in the scope of the "United Nations Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, Fourth revised edition, 2003"

<sup>2</sup> EC-Test methods – Commission regulation (EC) No 440/2008