

DAP Deutsches Akkreditierungssystem Prüfwesen GmbH

Signatory to the Multilateral Agreement of EA for Mutual Recognition
and to the Mutual Recognition Arrangement of ILAC

represented in the

Deutscher Akkreditierungsrat



Accreditation

The DAP Deutsches Akkreditierungssystem Prüfwesen GmbH herewith confirms that the



**Beschussamt Ulm
Proof House Ulm
Legal Testing Laboratory and Certification body
for Arms and Safety Engineering**

Albstraße 74
89081 Ulm

with its

**Testing Laboratory for
Arms and Safety Engineering**

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the fields of

physical, dimensional, visual and functional analyses tests of firearms, firecrackers, explosives and their ammunitions as well as their components; materials, structural elements, products and their components for personal and non-personal safety equipment for their mechanical properties, bullet resistance, anti-vandalism, burglar and stab resistance as well as resistance to explosion and splinter protection

in accordance with the test methods listed in the annex. The annex forms part of the certificate and comprises 4 pages.

The accreditation is valid from 2008-11-10 to 2013-11-09.

DAR registration number: **DAP-PL-4386.00**

Berlin, 2008-11-10

Univ.-Prof. Dr.-Ing. habil. K. Ziegler
Managing Director
DAP Deutsches Akkreditierungssystem
Prüfwesen GmbH



DAP Deutsches Akkreditierungssystem Prüfwesen GmbH (hereinafter referred to as DAP), is signatory to the Multilateral Agreement for Testing Laboratories (MLA) of European co-operation for Accreditation (EA) and to the Mutual Recognition Arrangement (MRA) of International Laboratory Accreditation Co-operation (ILAC). For testing laboratories, EA concluded further bilateral agreements for mutual recognition.

The signatories to these agreements of the following countries mutually recognise their accreditations of testing laboratories:

Argentina – Australia – Austria – Belgium – Brazil – Canada – People's Republic of China – Costa Rica – Cuba – Czech Republic – Denmark – Egypt – Estonia – Finland – France – Germany – Greece – Guatemala – Hong Kong, China – India – Indonesia – Ireland – Israel – Italy – Japan – Republic of Korea – Latvia – Lithuania – Malaysia – Malta – Mexico – The Netherlands – New Zealand – Norway – Philippines – Poland – Portugal – Romania – Singapore – Slovakia – Slovenia – South Africa – Spain – Sweden – Switzerland – Chinese Taipei – Thailand – Turkey – Tunisia – United Kingdom – USA – Vietnam.

The up-to-date status of membership can be retrieved from the respective website:

EA - <http://www.european-accreditation.org>

ILAC - <http://www.ilac.org>

This accreditation has been awarded on the basis of an assessment and pursuant to the contract concluded with DAP with respect to the accreditation of a testing laboratory in accordance with the rules and procedures of the German Accreditation System in conformity with the Standards DIN EN ISO/IEC 17025 and DIN EN ISO/IEC 17011.

The requirements in terms of materials and personnel as specified in DIN EN ISO/IEC 17025 for the specific testing fields indicated in the accreditation certificate, as well as for the procedures described in the annex to the accreditation certificate, have been met.

Details of the scope of the accreditation (testing fields, procedures and specifications) are given in the annex to this accreditation certificate.

The annex and the documents submitted in connection with the accreditation are deemed to form an integral part of it. Any amendments are to be made in writing.

The accreditation is awarded subject to revocation at any time due to the fundamental change or lapse of any conditions defined in the agreement and in the annex to this accreditation certificate.

Accreditation certificates and annexes are not to be disseminated in any form other than the present one. The publication of extracts is subject to approval by DAP.

**Annex to the Accreditation Certificate DAP-PL-4386.00
Accreditation based on DIN EN ISO/IEC 17025:2005**

Period of validity: 2008-11-10 to 2013-11-09

Certificate Holder:



**Beschussamt Ulm
Proof House Ulm
Legal Testing Laboratory and
Certification body
for Arms and Safety Engineering**

Albstraße 74
89081 Ulm

for its

**Testing Laboratory for
Arms and Safety Engineering**

Tests in the fields:

**physical, dimensional, visual and functional analyses
tests of firearms, firecrackers, explosives and their
ammunitions as well as their components; materials,
structural elements, products and their components for
personal and non-personal safety equipment for their
mechanical properties, bullet resistance, anti-vandalism,
burglar and stab resistance as well as resistance to
explosion and splinter protection**

abbreviations used: see last page

Within the scope of accreditation, without being required to inform and obtain prior approval from the DAP Deutsches Akkreditierungssystem Prüfwesen GmbH, the testing laboratory is permitted to apply other test standards or normative documents/specifications. The listed legislative documents, standards and normative document/specifications are given only as examples.



Tests based on legislative requirements, standards and specifications

Firearms and Proof firing legislations with all related legislative requirements (ordinance, directives, decrees, provisions and mandates) in their respective current editions:

Firearms Law
(Bundesgesetzblatt, Year 2002, Part I , pg. 3970)

Proof firing Law
(Bundesgesetzblatt, Year 2002, Part I , pg. 4003)

Resolutions and dimension tables of the "Commission Internationale Permanente pour l'Epreuve des Armes à Feu portatives (C.I.P.)" in their respective current editions:

Kieler Collection *Kieler Sammlung*

Resolutions of the working group of the German Proof Houses and the Federal Meteorological Institute (PTB) for the completion of the Firearms and Proof firing Laws in their respective current editions.

All other legislations and laws relevant to the laboratory testing field of the Proof House Ulm with all related legislative requirements (ordinances, directives, decrees and mandates) in their respective current editions:

War firearms control law *Kriegswaffenkontrollgesetz*, war fire arms list, Part B:
paragraph V tubular firearms
paragraph VII, no. 43, 46, 47 and 48, mines, hand grenades etc.
paragraph VIII other ammunitions
(Bundesgesetzblatt, Year 1990, Part I, pg. 2506)

Explosives Law *Sprengstoffgesetz*
(Bundesgesetzblatt, Year 2002, Part I, pg. 3518)

All technical directives and test specifications including their revisions that are relevant to the German Police Applied University (DHPol), the Federal Criminal Investigation Office and the Federal States Criminal Investigation Offices for the laboratory testing field of the Proof House Ulm:

Technical Directive for pistols *TR Pistolen*
2008-01

Technical Directive for bullets *TR Einsatzpatrone* 9 mm x 19, toxic reduced
2001-09

Technical Directive for bullet proof shield *TR Durchschusshemmender Schild*
1997-03

Technical Directive for bullet proof helmet *TR Durchschusshemmender Helm*
1997-01

Technical Directive for bullet proof protective vests *TR Ballistische Schutzwesten*
2008-03

Technical Directive for special armoured limousines *TR Sondergeschützte Limousinen (BKA)*
1997-01



Annex to the Accreditation Certificate DAP-PL-4386.00

All applicable national and international specifications incl. their revisions, originating from safety engineering services, military, manufacturers relevant to the laboratory testing field of the Proof House Ulm:

STANAG 2920 (NATO) 1996-12	Ballistic Test Method for Personal Armours
STANAG AEP 55 (NATO) 2005-02	Protection Levels for Occupants of Logistic and Light Armoured Vehicles
NIJ Standard 0108.01 1985-09	Ballistic Resistant Protective Materials (U.S. Department of Justice, National Institute of Justice)
NIJ Standard 0101.04 2001-06	Ballistic Resistance of Personal Body Armour (U.S. Department of Justice, National Institute of Justice)
BS 5051 Part 1 1973-10	Specification for Security Glazing - Bullet-resistant glazing for interior use
BS 5051 Part 2 1979-10	Security Glazing - Specification for bullet-resistant glazing for exterior use
TL 2350-006 2000-06	Construction group for armoured glass (Federal Office for defence technic and supplies <i>Bundesamt für Wehrtechnik und Beschaffung</i>)

All applicable specifications from the Association of Testing Organisations for Protective Materials and Construction (VPAM) incl. their revisions for the field of certification of the Proof House Ulm:

PM 2007 2008-05	Directive for testing bullet proof panel like materials <i>Richtlinie zur Prüfung „Durchschusshemmende plattenartige Materialien“</i>
APR 2006 2008-05	General directive for ballistic material, construction and product testing “requirements, classification and test methods” <i>Allgemeine Richtlinie für ballistische Material, Konstruktions- und Produktprüfungen „Anforderungen, Klassifizierung und Prüfverfahren“</i>
HVN 2003 2004-11	General directive for ballistic material, construction and product testing “requirements, classification and test methods” <i>Allgemeine Richtlinie für ballistische Material, Konstruktions- und Produktprüfungen „Anforderungen, Klassifizierung und Prüfverfahren“</i>
BSW 2006 2008-05	Test directive ballistic bullet proof vests “requirements, classification and test methods” <i>Prüfrichtlinie Ballistische Schutzwesten „Anforderungen, Klassifizierungen und Prüfverfahren“</i>



Annex to the Accreditation Certificate DAP-PL-4386.00

KDIW 2004
2008-05 Test directive shot and impact resistant protection "requirements, classification and test methods"
Prüfrichtlinie Sich- und Schlagschutz „Anforderungen, Klassifizierung und Prüfverfahren"

All applicable specifications from the Working Group BRV (Bullet Resistant Vehicles) incl. their revisions, relevant to the laboratory testing field of the Proof House Ulm:

BRV 1999
2002-10 Directive for testing and certification of bullet proof private vehicles and other types of vehicles
Richtlinie zur Prüfung und Zertifizierung „Durchschusshemmende Fahrzeuge“ für PKW und sonstige KFZ
(Edition: Proof House Ulm)

All relevant national and international standards incl. their revisions related to the laboratory testing field of the Proof House Ulm::

DIN EN 356
2000-02 Glass in building - Security glazing - Testing and classification of resistance against manual attack

DIN EN 1522
1999-02 Windows, doors, shutters and blinds - Bullet resistance - Requirements and classification

DIN EN 1523
1999-02 Windows, doors, shutters and blinds - Bullet resistance - Test method

DIN EN 1063
2000-01 Glass in building - Security glazing - Testing and classification of resistance against bullet attack

ÖNORM S 1314
2003-05 Attack resistant materials - Shot-resistant, panel like materials - requirements, classification and test methods

abbreviations used:

BS	British Standard
DIN	German Institute for Standardisation <i>Deutsches Institut für Normung e.V.</i>
EN	European Standard
ISO	International Organization for Standardization
ÖNORM	Austrian Standard <i>Österreichische Norm</i>

