

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-12001-04-04 according to DIN EN ISO/IEC 17025:2018

Valid from: 23.08.2023

Date of issue: 23.08.2023

This annex is a part of the accreditation certificate D-PL-12001-04-00.

Holder of partial accreditation certificate:

**Industrieanlagen- Betriebsgesellschaft mit beschränkter Haftung
Burghof 1, 33165 Lichtenau**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

Testing within the field of:

Dynamic tests of systems and components as well as materials for attack resistant effects against ballistics and explosives

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Abbreviations used: see last page

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This document is a translation. The definitive version is the original German annex to the accreditation certificate.

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1 Effects against ballistics

BRV 1999 1999-07	Directive for testing and certification of bullet proof vehicles for private and other types of vehicles (only testing)
STANAG 2280 2007-06	Design threat levels and handover procedures for temporary protective structures
STANAG 2920 2003-07	Ballistic test method for personal armour materials and combat clothing
STANAG 4569 - NATO AEP-55, Vol. 1 2014-05	Procedures for evaluating the protection level of armoured vehicles - Kinetic Energy and Artillery Threats
VPAM APR 2006 2014-11	General basis for ballistic material, construction and product testing - requirements, test levels and test methods
VPAM BRV 2021-03	General basis for specially protected vehicles - requirements, classifications and test methods
VPAM PM 2007 2008-05	General basis for bullet resistant plate materials - requirements, classification and test methods

2 Effects against explosives

Dstl/WP53308 1.0, 1 2014-09	UK Ministry of Defence Technical Authority Instructions for Testing the Protection Level of Vehicles Against Buried Blast Mines
STANAG 2280 2007-06	Design threat levels and handover procedures for temporary protective structures
STANAG 4569 - NATO AEP-55, Vol. 2 2014-05	Procedures for evaluating the protection level of armoured vehicles - Mine Threat
STANAG 4569 - NATO AEP-55, Vol. 3 2014-05	Procedures for evaluating the protection level of armoured vehicles - IED Threat
VPAM ERV 2010 2011-05	General basis for specially protected vehicles - resistance against explosive effects

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Abbreviations used:

AEP	Allied Engineering Publication
BRV	Bullet Resistant Vehicles
DIN	Deutsches Institut für Normung e.V. – German institute for standardization
Dstl/ WP	Work procedure of Defence Science and Technology Laboratory, Ministry of Defence, UK
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
IED	improvised explosive device
ISO	International Organization for Standardization
NATO	North Atlantic Treaty Organisation
NATO STANAG	NATO Standardisation Agreement
VPAM	Test directives of the association of testing institutes for attack proof materials and constructions

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