

Preface	
Further, Farther, Faster, Safer and Better	3
Wilfried Lorenz, MP and Member of the Defence Committee of the German Parliament	
Forewords	
Robust, Interoperable and Effective	6
Lieutenant General Jörg Vollmer, Chief of Staff, German Army	
Modern Materiel and Top Quality Protection	9
Lieutenant General (Retired) Roland Kather, President of the Association of the German Army	
Mission and Capabilities	
New Challenges Ahead	10
Interview with Lieutenant General Martin Schelleis, Chief of the Joint Support Service	
The German Army Facing a Paradigm Change	16
Major General Wolfgang Köpke, Director of the Army Concepts and Capabilities Development Centre	
Tasks of and Challenges for the Bundeswehr Medical Service	20
Major General MC Dr. Stephan Schoeps, Deputy Surgeon General, Bundeswehr and Commander, Health Facilities	
VJTF – The NATO Response Force	23
Lieutenant Colonel (GS) Sebastian Erbe, Advisor G3, and Major Till Drinnhausen, Staff officer German Army Command	
Armament Projects of the Army	
German Army Armament Planning	27
Lieutenant Colonel GS Eduard Schnabel, Assistant Branch Chief at German Army Headquarters Staff	
Protection and Mobility	
Three Divisions, One Goal: Superior Operational Effectiveness for Ground Forces	34
Rheinmetall AG	
Armoured Tactical Mobility	36
Dietmar Klos	
Logistics Vehicles	41
Gerhard Heiming and Michael Horst	
The Leading German Company in Vehicle Protection Calculation	46
Dipl.Ing. David Vinckier, CEO, CONDAT Projekt GmbH	
The Support Vehicle Specialist	48
FFG Flensburger Fahrzeugbau GmbH	
Vehicle Light Protection Kit closes the gap between armoured and unarmoured vehicles	50
Michael Klein, Vice President Hutchinson GmbH Defense & Mobility	
New Threats – New Technologies	53
IBD Deisenroth Engineering GmbH	
Command and Control	
Radio Systems for Land Operations of the Bundeswehr	55
Theodor Hodouschek LTC (ret)	
Reconnaissance	
Scouting und Combat Reconnaissance in the German Army	59
Theodor Hodouschek LTC (ret)	
Effects	
Weapon Systems of the Army	63
Dietmar Klos	
High-Performance Backbone for State-of-the-Art Combat Vehicles	68
ATM ComputerSysteme GmbH	

The Puma Infantry Fighting Vehicle in the In-Service Phase	70
Technischer Regierungsdirektor Mark Mozer, Puma IFV deputy project manager at BAAINBw Branch K5.2	
Infantry Fighting Vehicle Puma in Service	74
PSM Projekt System & Management GmbH	
The UH Tiger Support Helicopter	76
Direktor BAAINBw Dipl.-Ing. (TH) Thomas Höhn, Chief of the L4 Division "Rotary Craft" of the BAAINBw's Air Directorate	
The Future Infantryman System	78
Lieutenant Colonel Thorsten Unger, Assistant Branch Chief, Future Infantryman System, Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support, Branch U5.5	
New IR-Targeting Sights Provide Optimal Protection and Precise Engagement	82
AIM Infrarot-Module GmbH	
The German Infantry's Toolbox	83
Dr. phil Jan-P. Weisswange	
Lightweight Precision for Infantry and Special Forces	89
Michael Horst	
How to Fine-Tune a Submachine Gun	90
Ceska zbrojovka a.s.	
RGW 90 AS – a viable handheld, shoulder-launched weapon	93
Dynamit Nobel Defence GmbH	
No Compromise	94
Heckler & Koch GmbH	
State-of-the-Art Ammunition for German Land Forces	96
Detlef Schmitz Chief Warrant Officer (ret) M. Ed.	

Support

"Come in, Army Service Logistics Organisation, over!"	99
Lieutenant Colonel (GS) Henning Klement, Major Mathias Franke, Army Command, Division IV	
The Modular Medical Facilities (MSE)	103
Chief Staff Pharmacist Dr. Katja Lahm, Joint Medical Services of the Bundeswehr and Sergeant Uwe Henning, Press and Information Centre of the Joint Medical Services of the Bundeswehr	
NH90 – Current Status and Further Development	107
Direktor BAAINBw Dipl.-Ing. (TH) Thomas Höhn, Chief of the L4 Division "Rotary Craft" of the BAAINBw's Air Directorate	
A Complex Future and the Need for an Integrated Response	110
RUAG Defence Deutschland GmbH	

Training and Simulation

The Special Operations Training Centre	112
Lieutenant Colonel Heiko Sell, International Special Training Centre	
The International Helicopter Training Centre	114
Lieutenant Kai Christoph Meier M.A. and Lt. Col. computer scientist Guido Krahl, International Helicopter Training Centre	

Future Trends

Requirements for Modern Combat Uniforms	117
Dr. Corinna Martin, advisor for uniform management, Department U3.8 at the Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support (BAAINBw)	

Imprint

Defence Technology Review 2/2016
June 2016

Publishing House:
Mittler Report Verlag GmbH
Bonn, Germany
a company of the Tamm Media Group



Managing Directors:
Dr. Peter Bossdorf
Thomas Bantle
Peter Tamm

Managing Editor:
Michael Horst

Editorial Team:
Gerhard Heiming
Christina Ostermann
Theodor Hodouschek
Dietmar Klos
Wilhelm Bocklet
Dorothee Frank

Translation:
Jürgen Hensel
Robert D. Robin
Bundessprachenamt
Christian Kanig

Layout:
davis creativ media GmbH
www.davis-creativ-media.de

Editorial Office:
Mittler Report Verlag GmbH
Baunscheidtstraße 11, D-53113 Bonn
Phone: +49 (228) 35 00 870
Fax: +49 (228) 35 00 871
E-Mail: info@mittler-report.de
Web: www.mittler-report.de

Subscription/Reader Service:
PressUp GmbH, Postfach 70 13 11,
D-22041 Hamburg
Phone: +49 (40) 38 66 66-319,
Fax: +49 (40) 38 66 66-299
E-Mail: mittler-report@pressup.de

Advertising Management:
Dipl.-Betw. Uwe Nemeyer
optiproject GmbH | Agentur für
sicherheitspolitische und
wehrtechnische Kommunikation
Vom-Imhoff-Weg 5, D-53359 Rheinbach
Phone: +49 (2226) 90 96 37
E-Mail: uwenemeyer@optiproject.de

Production:
Lehmann Offsetdruck GmbH
22848 Norderstedt, Germany

Single Copy Price: €14.80
(shipping not included)

Pictures/Illustrations:
Authors, unless otherwise referenced

Copying of any part of this publication
without the express authorisation by the
publisher is prohibited.