German Liaison Office
for Defense Materiel
USA/ Canada

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US/German Science and Technology Cooperation

NDIA International Infantry & Joint Services Small Arms Annual Symposium,
Exhibition and Firing Demonstration
Atlantic City, NJ, May 16 – 19, 2005
German Liaison Office

US/German Science and Technology Cooperation

Summary
Locations of the German Liaison Office USA/Canada and its field offices

- Tucson
- San Diego
- Picatinny Arsenal
- Fort Monmouth
- Aberdeen
- Detroit
- Dayton
- Reston
- Arlington
- Washington Navy Yard
- Huntsville
- Eglin AFB
- Orlando
**Agenda**

German Liaison Office

US/German Science and Technology Cooperation

Summary
44 Data Exchange Agreements established:

6 DEAs were signed in 2004
Samples for particularly successful DEAs:
DEA-A-71-GE-1133 Preparation, Preservation & Packaging of Food
DEA-A-03-GE-1672 Mortar Systems
DEA-A-80-GE-1271 Proving Ground Techniques

50 GE Foreign Comparative Testing Projects since 1981
26 Procurements with a total Value of $1.021 Billion

1 Project Agreement in preparation

MoU e.g. ESEP, Test and Evaluation, Fox NBC Log
Science and Technology Steering Committee

BG (P) Roger Nadeau  
(U.S. Army International Technology Center)

Mr. Harald Stein  
Vice President, Federal Office for Defense Technology and Procurement, Koblenz

COL Robert Schulz  
U.S. Army International Technology Center

Mr. Holger Mundt  
Deputy Director, Landsystems, IT  
German Liaison Office for Defense Materiel  
Liaison Officer to AMC

Dr. Gary Allen  
U.S. Army International Technology Center

Mr. Hermann Schneider  
German Liaison Officer to DTC, Aberdeen, MD  
German Liaison Office for Defense Materiel

Science and Technology Working Group

German Liaison Office for Defense Materiel USA/Canada  
BDir Holger Mundt, Deputy Director, Landsystems, IT
Steering Committee

Working Group

Decontamination (Dec 2000)

Biodetection (Dec 2000)

WEBS
Web Enabled Battlespace Service
(May 2003)

Intelligent Textiles
(Oct 2000)

Medical Issues
(Warfighter Resilience Measuring System

VPG
(Virtual Proving Ground
gegründet 21.04.2004)

Medical Issues
Skin Decontamination

Telematics
(GPS & C2)

Innsenitive Munition
Packaging and Logistics

Acoustics
Large Blast
Thermal Simulator

Nano Technology

Established Integrated Technology Team (ITT)
Future ITT
Considered ITT
With potential for future activities
Transfer based on legal agreement, performance (Controlling Mechanisms) and approval by S&TSC

Deputy Assistant Secretary of the Army
DASA-DEC

German Ministry of Defense
Rü V1

Annual International Cooperative Programs Review
DASA - DEC - German Liaison Office for USA/Canada

Decontamination
Biodection
WEBS
Intelligent Textiles

Steering Committee
Working Group

Medical Issues
Skin Decontamination

Decontamination (Dec 2000)
Biodection (Dec 2000)
WEBS (With Enlisted Participation Service - May 2001)
Intelligent Textiles (Nov 2002)

Transfer based on legal agreement, performance (Controlling Mechanisms) and approval by S&TSC

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German Liaison Office

US/German Science and Technology Cooperation

Summary
German Liaison Office for Defense Materiel USA/CAN

- is the Point of Contact for all sorts of US/GE activities
- manages all sorts of information exchanges
- manages existing US/GE agreements (DEA/PA/MoU/Loans)
- supports German defense programs
- supports DCS contracts and FMS cases
- supports/coordinates the Scientists Exchange Program

and is an organization with liaison offices at major US commands

- capable to identify, establish, and manage US/GE cooperation by covering all essential aspects of a successful US/GE partnership.
Questions?
Back – up slides
Liaison Tasks

- POC for U.S. / Canadian and German Governments (Federal Office of Defense Technology and Procurement, BWB; Federal Office of the Bundeswehr for Information Management and Information Technology, IT-Amt) and industry
- Report on U.S. defense technology developments
- Support the planning and execution of German defense programs
- Coordinate technical data exchange
- Initiate, support and manage joint S & T activities
- Quality assurance
- Foreign Comparative Testing
- Support / coordinate Scientists Exchange Program
GLO – Cooperation Programs

PATRIOT
Missile System

NILE
NATO Improved Link 22

(G)MLRS
(Guided) Multiple Launch Rocket System

RAM
Rolling Airframe Missile

VLS MK 41
Vertical Launch System

MIDS
Multifunctional Information Distribution System

German Liaison Office for Defense Materiel USA/Canada
BDir Holger Mundt, Deputy Director, Landsystems, IT

16/12
05-18-2005
Simplified Bundeswehr Structure

Armed Forces
- Army
- Air Force
- Navy

Defense Administration
- Armaments Organization
  - BWB
  - Bw IT Office
- Terr. Def. Admin.
  - Fed.Office of Def. Admin
  - Mil.Distr. Admin. Office
- others

MoD

German Liaison Office for Defense Materiel USA/Canada
BDir Holger Mundt, Deputy Director, Landsystems, IT
Technical Centers:
- WTD 41 Vehicles/Tanks
- WTD 51 Engineering Equipment
- WTD 52 Protection
- WTD 61 Aircraft/Aeronaut. Equipment
- WTD 71 Ships/Naval Weapons
- WTD 81 Communication/Electronics
- WTD 91 Weapons/Ammunition

Research Institutes:
- WIS NBC Protection
- WIWEB Materials/Explosives
- FWG Oceanography

Naval Arsenals:
- MARS 2 Installations
## Contracts Statistics

<table>
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<th>1999</th>
<th>2000</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
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<tbody>
<tr>
<td><strong>Direct Contracts</strong></td>
<td>673</td>
<td>556</td>
<td>483</td>
<td>546</td>
<td>564</td>
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<tr>
<td><strong>Value</strong>&lt;br&gt;(in million US$)</td>
<td>31.79</td>
<td>22.17</td>
<td>22.7</td>
<td>31.7</td>
<td>32.6</td>
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<td><strong>FMS Contracts</strong></td>
<td>125</td>
<td>150</td>
<td>137</td>
<td>141</td>
<td>143</td>
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<tr>
<td><strong>Value</strong>&lt;br&gt;(in million US$)</td>
<td>292.8</td>
<td>291.8</td>
<td>100.1</td>
<td>178.3</td>
<td>210.2</td>
</tr>
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</table>
New Structure of BWB

- President
- Vice-President
- President’s Office

- Organization Staff
- Central Controlling

- Economic and Technical Services
  - Project Division "Land Combat"
  - Project Division "Air"
  - Project Division "Sea"
  - Project Division "Land Support"

- Central Services
  - Test Centers (7)
  - Research Institutes (3)
  - Naval Arsenal (1)
Current Deployment of German Armed Forces
International Operations (as of 04/2004)

SFOR: 1,300
(Stabilization Force)

KFOR: 3,600
(Kosovo Peacekeeping Force)

ISAF: 2,000
(International Stabilization Force)

UNOMIG: 11
(United Nations Observer Mission in Georgia)

EF: 250
(Operation Enduring Freedom)

UNMEE: 2
(UN Mission in Ethiopia & Eritrea)

Active Endevour: 450

Overall: about 7,700
<table>
<thead>
<tr>
<th>Program</th>
<th>Duration</th>
<th>Total Cost (Mio US $)</th>
<th>GE Share (Mio US $)</th>
<th>GE Share 2003 ff. (Mio US $)</th>
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<tr>
<td>RAM Beschaffung KWS</td>
<td>2001 - 2007</td>
<td>1.000</td>
<td>240</td>
<td>217</td>
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<tr>
<td>FüWES Trilateral Frigate Cooperation</td>
<td>1996 - 2005</td>
<td>2.130</td>
<td>150</td>
<td>40</td>
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<td>ESSM Evolved SeaSparrow Missile</td>
<td>1996 - 2010</td>
<td>3.629</td>
<td>257</td>
<td>210</td>
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<td>GMLRS / MLRS (Guided) Multiple Launch Rocket System</td>
<td>1979 - 2016</td>
<td>182</td>
<td>23</td>
<td>3</td>
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<tr>
<td>Patriot, 2. KWA Ground-to-Air Missile</td>
<td>1993 - 2005</td>
<td>2.000</td>
<td>231</td>
<td>20</td>
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Stand: August 2003