

THE (MULTIDIMENSIONAL) PERSPECTIVE OF A SERVICE PROVIDER

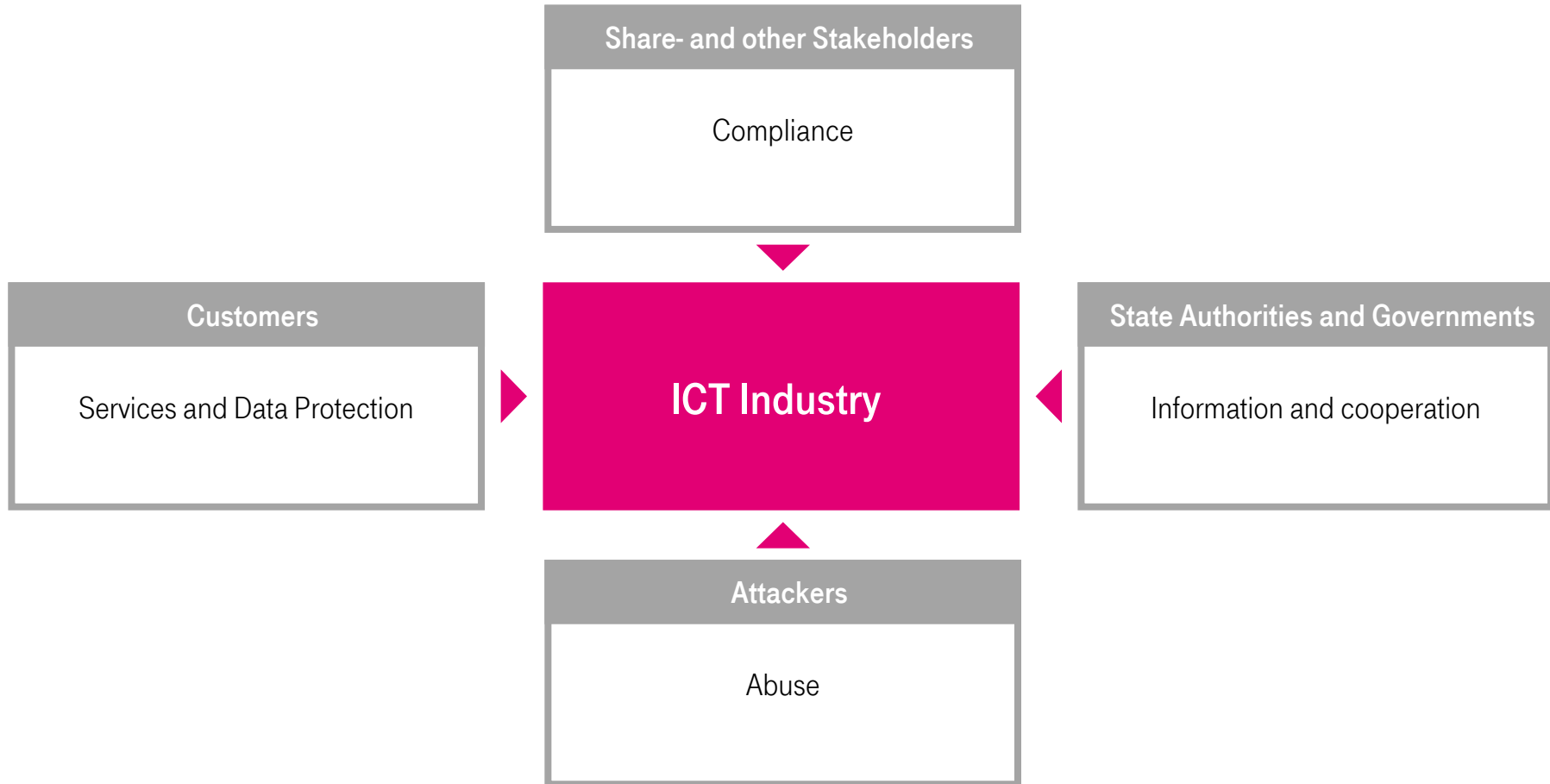
Axel Petri, Senior Vice President Group Security Policy and Public Safety

Budapest, September 30th, 2013



LIFE IS FOR SHARING.

PRESSURE AND EXPECTATIONS FROM MANY ANGLES



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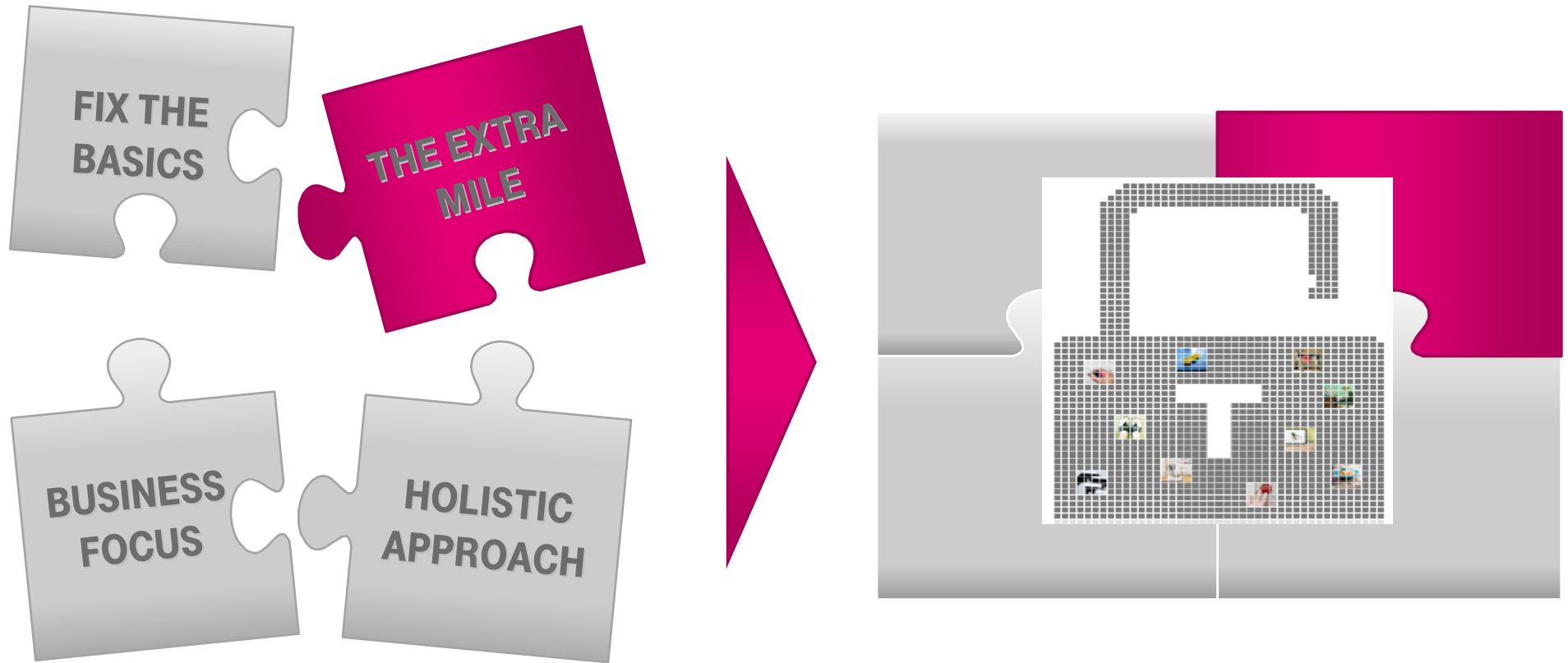
ATTACKERS BECOMING MORE AND MORE SOPHISTICATED



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HOMework HAS TO BE DONE – EXTRA MILE IS NEEDED



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FIX THE BASICS - OUR PRIORITIES FOR CYBER SECURITY

SETTING THE SCENE WITH CYBER SECURITY INNOVATIONS

- Security by Design – Privacy and Security Assessment (PSA)
- Fight against spam and botnets to protect our customers and our infrastructure (ABUSE)
- Protect our (externally accessible) systems through regular “cyber-crash-tests”
- Establishing processes for rapid patch management to all our systems
- Secure integration of new devices into IT landscapes (also in the BYOD context)
- Establishing security as an additional criteria for selection of suppliers



BUSINESS FOCUS - BE A SUCCESSFUL LEADER

SECURE CONNECTED LIFE AND WORK FOR OUR CUSTOMERS

Internal Customers rely on us because ...

- ... we have proven expertise
- ... we are problem-solving and not problem-creating
- ... we are aware of our different roles

External Customers rely on us because ...

- ... we provide guidance and solutions to secure their data
- ... inform them “frankly and directly” about security issues
- ... security level is a criteria for product launch
- ... security is part of our DNA

... we take responsibility!



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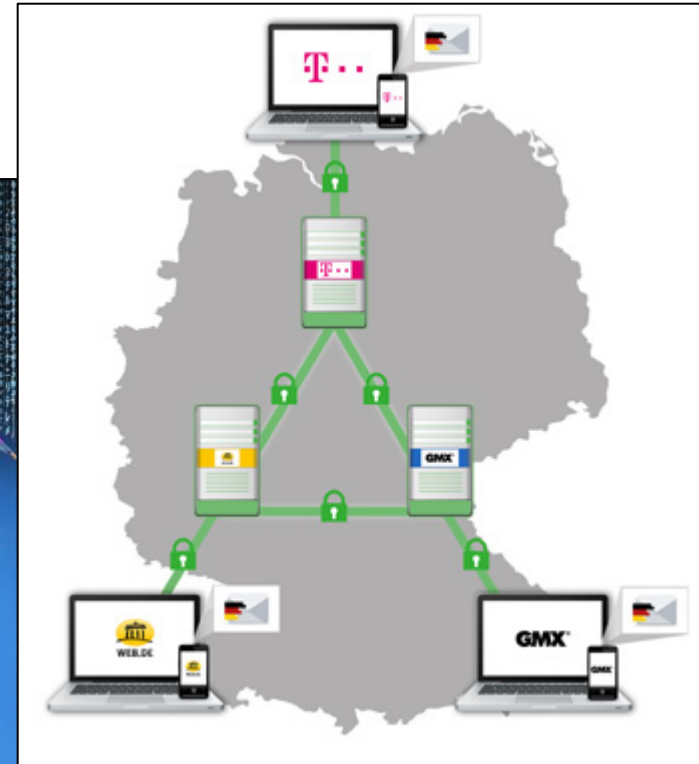
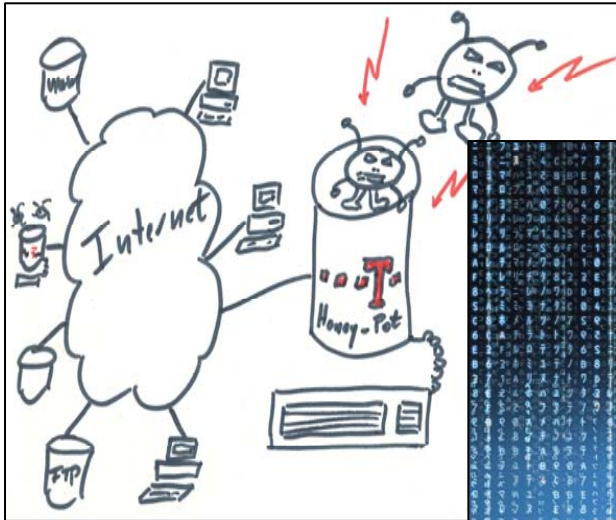
HOLISTIC APPROACH - CONVERGENCE OF SECURITY

STAY OPEN-MINDED FOR THE BIGGER PICTURE

- Combined security forces and expertise
- Forget about silos
- Focus on sustainability and transparency
- Clear, transparent and reliable common rules
- Avoid Babylonian Confusion
- Security as Corporate Social Responsibility



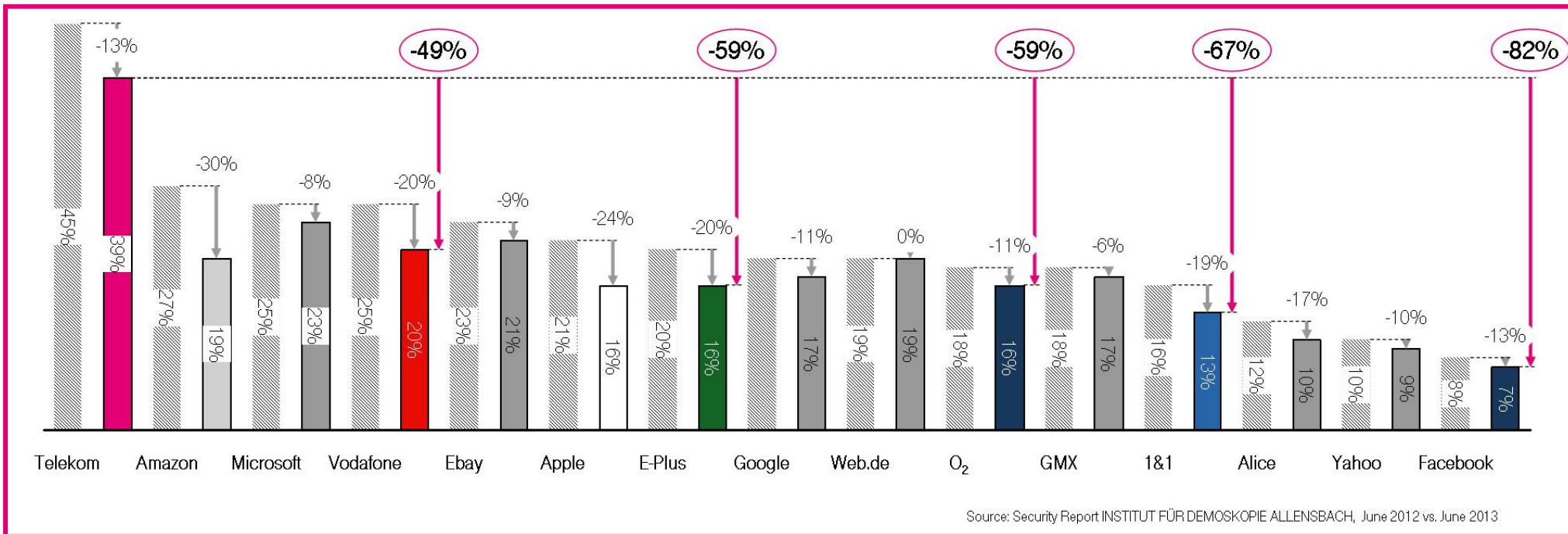
THE EXTRA MILE – JUST A FEW EXAMPLES



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TRUST IS ESSENTIAL FOR ICT-BUSINESS

IT'S TIME TO ACT – NOW!



ITIF (The Information Technology & Innovation Foundation, Washington DC):

- „The U.S. cloud computing industry stands to lose \$22 to \$35 billion over the next three years.“
- „U.S. cloud service providers stand to lose somewhere between 10 and 20 percent of the foreign market in the next few years.“

Cloud Security Alliance:

- „For 56% of the non-american clients it's less likely to choose an American provider.“

Source: <http://www.n-tv.de/wirtschaft/Europa-traeumt-vom-IT-Airbus-article11151961.html>



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10+3 WAYS TO MITIGATE THE RISK

The risk of cyber attacks cannot be banned, but there are means to mitigate it.

- 1 Tear down walls to create transparency.
- 2 Be **open-minded for collaboration** (across borders, industries and companies) and bundle the power.
- 3 Create **platforms for exchange** (Cyber Security Summit 2013).
- 4 Think **outside the box** (overarching test-centers, official security seals).
- 5 „**Neighborhood watch**“ is key to be successful (CERT-Community, SPOCs for rapid alerts).
- 6 Accept **shared responsibilities**, e.g. between hard- and software suppliers.
- 7 **Invest** in people and tools.
- 8 **Sensitization** of employees.
- 9 Sensitization of public (even the **user as weakest link** in cyber security has a shared responsibility).
- 10 **Accelerate innovation** in Cyber Security, e.g. by cooperating with technology savvy start-up companies.
- +1 Governments: Create / maintain **reliable laws** and rules on an international base.
- +2 Governments: **Countries should work closer together** than ever before.
- +3 Governments: Maintain peoples trust by acting lawfully and proportionally.



THANK YOU FOR YOUR ATTENTION!

Data privacy and Data security 2012

Life is for sharing.

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<p>4 "Trust is the basis for success in business," says Dr. Thomas Kremer, Board of Management member responsible for Data Privacy, Legal Affairs and Compliance at Deutsche Telekom.</p>	<p>10 "It's high time for an EU General Data Protection Regulation," claims Dr. Claus Ullmer, Group Privacy Officer of the Deutsche Telekom Group, in an interview.</p>	<p>21 "This is about preserving our high level of privacy in Germany," says Professor Hansjörg Geiger, member of the Data Privacy Advisory Council, in an interview.</p>
<p>22 Risks are shifting increasingly to the Net, it's time to act, demand Wolfgang Ischinger, head of the Munich Security Conference, and Rene Obermann, CEO of Deutsche Telekom, in an interview.</p>	<p>26 Rapid response unit – Deutsche Telekom's CERT coordinates management of security incidents for all of the Group's information and network technologies.</p>	<p>6 Customer data privacy in Telekom Shops / Internal audits / Certified call centers / Billing processes certified / Auditing by German Federal Network Agency</p> <p>8 Privacy-compliant SmartSenior / Audit-proof delivery / Secure De-Mail / Healthcare data destroyed / Entertainment usage statistics</p> <p>14 Telecommunications Act tightens reporting requirements / Processing tele-communications data / Guidelines for storing traffic data / Data retention in Germany</p> <p>16 Code of Conduct for goods services / Anonymous surfing under IPv6 / EU Cookie Directive open / Data security and smart metering / Employee data privacy</p> <p>18 Telekom's Data Privacy Advisory Council</p> <p>20 Internal information campaigns on data privacy and data security</p> <p>28 Rapid test for malware—Deutsche Telekom, the German Federal Office for Information Security and Federal Criminal Police Office develop test program for DNSChanger</p> <p>29 Preprogrammed vulnerability: Interview with Peter Franck, member of the Data Privacy Advisory Council and the Chaos Computer Club</p> <p>30 CERT consulting cases / Threat radar / Denial-of-service attacks / T-Online protection / Honeybots – Sweet temptation / Employee data privacy</p> <p>35 Criminal prosecution of cyber attacks</p> <p>38 Security know-how in the network / Test victory for the Telekom Cloud / Secure platform for limitless communication / Cyber Europe 2012 – testing cyber security in Europe / Security as a design criterion</p> <p>40 Wolfgang Kopf, head of Government Relations and Regulatory Strategy at Deutsche Telekom AG, on the planned IT security law</p> <p>41 Group Security Coordinator Axel Petri on the uniform security standards applicable worldwide in the Telekom Group</p>
<p>32 Data privacy and security by design. Thomas Tschernisch, head of IT Security at Deutsche Telekom, explains how data security should be integrated early on in product development.</p>	<p>36 "Cloud computing is secure," says Reinhard Clemens, member of the Deutsche Telekom Board of Management and CEO of T-Systems. However, providers have to introduce an end-to-end security concept and cloud customers also have to contribute to security.</p>	<p>42 Mobile devices are being targeted increasingly by cyber criminals. Companies should learn from the attackers.</p>
<p>44 Customer service on the cyber front. Telekom's Abuse Team is the contact point for anyone who wants to report abuse of Internet services. The security experts followed up more than one million reports in 2012.</p>	<p>46 Cyber security alliance – Greater protection through cooperation, demands Michael Hango, President of the German Federal Office for Information Security (BSI).</p>	

Deutsche Telekom Data Privacy and Data Security Report 2012

http://www.e-paper.telekom.com/epaper-Data_Privacy_and_Data_Security_2012/