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IPv6 in Germany Update

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IGF Meeting

- Information about the IPv6 activities in the public administration (Germany)
- Discussion about role of governments and industry
- Good feedback and learning from each other





Guide „Secure IPv6 Network Architecture“

- Publication of fed. Office of information technology
- Introduction to IPv6 for admins and network architects
- Guidelines for secure IPv6 network architecture, requirements for IPv6 enabled network components, configuration advice
- Complemented check lists
- Available by end of 2010

<https://www.bsi.bund.de>



Requirements profile for IPv6 in ICT equipment

Germany appreciates and supports the Slovenian proposal for a
IPv6 profile for ICT equipment

Some comments for improvements:

- more details than at RFC level.
- How we should deal with optional fields defined in some RFCs
- A matrix would be helpful which matches legal requirements and policies also of different sectors to certain IPv6 functions.
- Next step could be IPv6 software requirements
- Getting Support from EU KOM to spread this in Europe



Projects

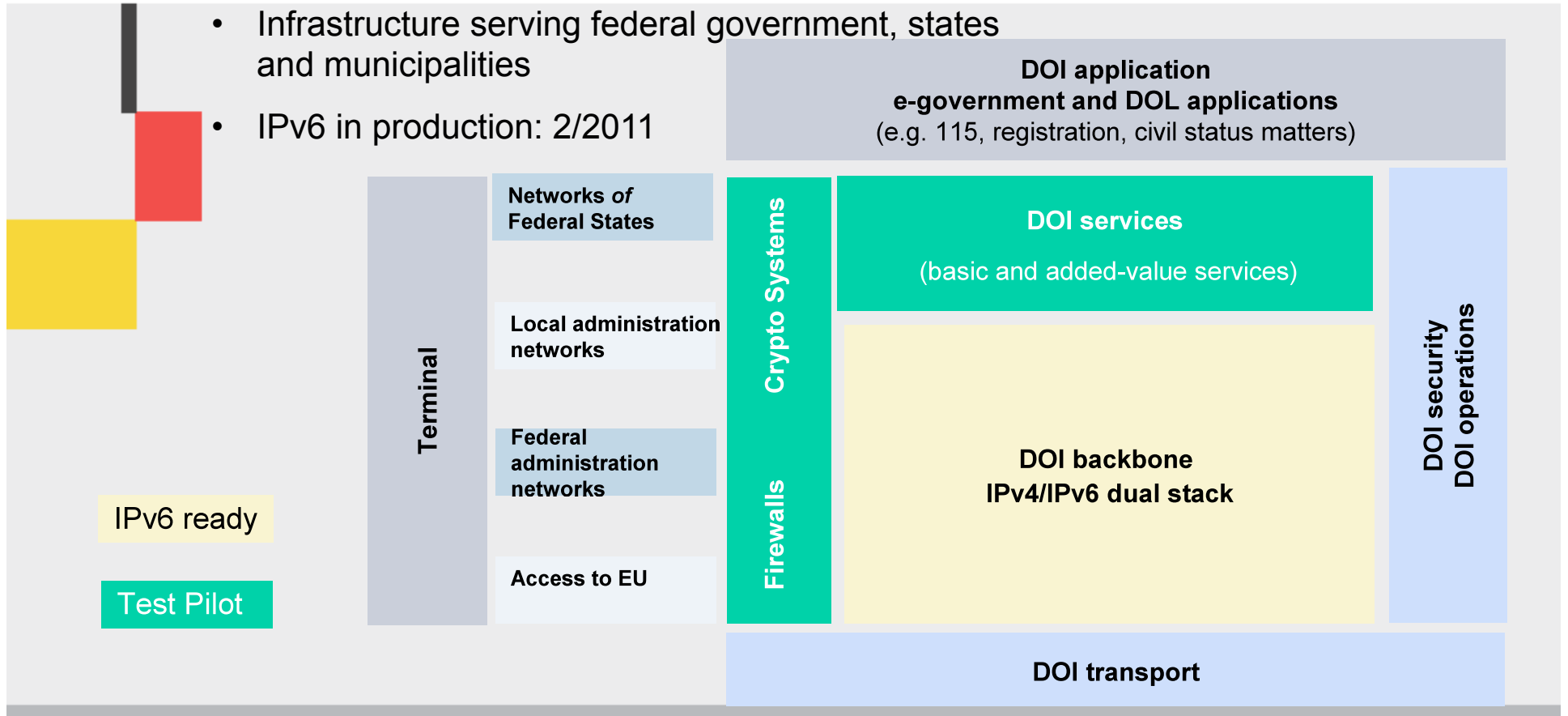
Programs were started to modernize the communication infrastructure of the public administration based on IPv6.





DOI (Deutschland Online Infrastructure“)

- Infrastructure serving federal government, states and municipalities
- IPv6 in production: 2/2011

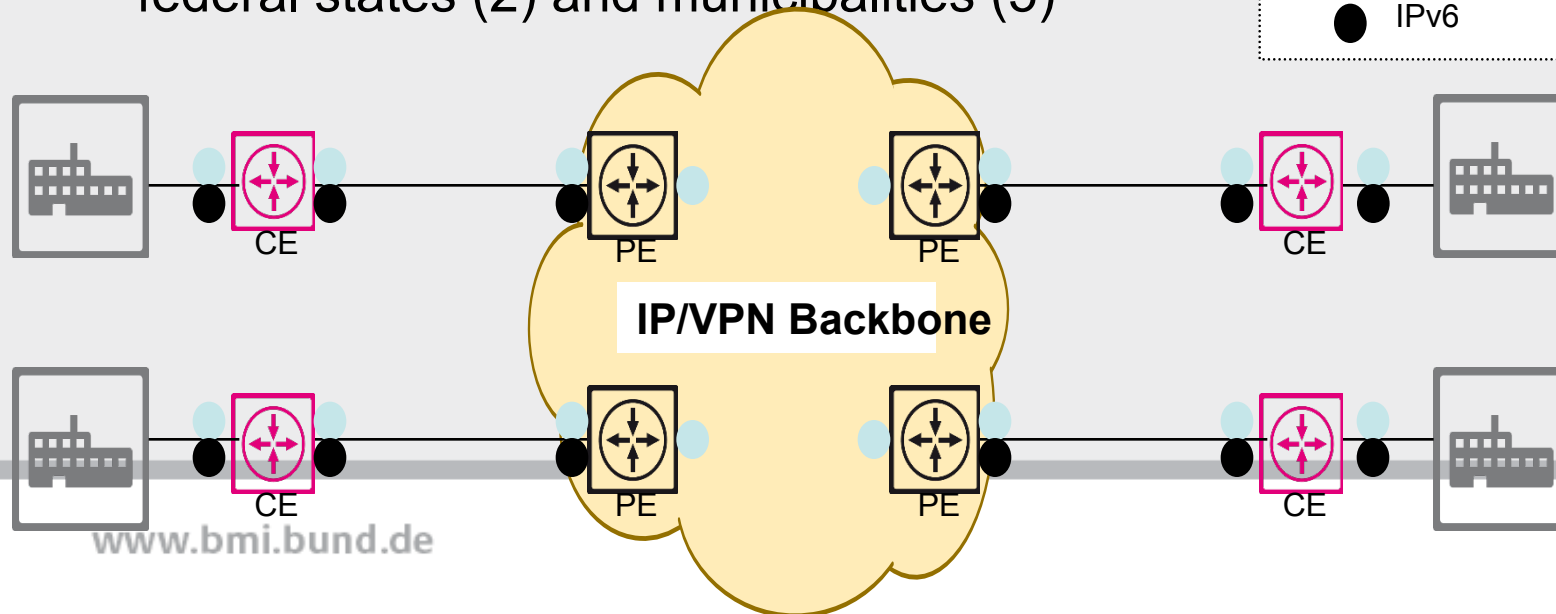




IPv6 Pilot with Dual-Stack

Extend of Pilot

- Transport, VPNs, IPsec, QoS, High Availability
- DNS, DNSsec, TSIG, eMail, SMTP auth PKI
- Participants from central government (1), federal states (2) and municipalities (5)





Common network for the federal administration

- Modular design, development, migration and allocation with central control in a “central service organization” (ZSO)
- involvement and more services through government-owned IT providers for critical secure and operational modules

More monitoring by Gov

Reduces dependency from single companies


Increasing security

Economic efficiency and **flexibility**





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**Thank you
for
your attention!**