

PKI Hype, Collapse and Recovery

ISIG Computer Security Day
Sydney 26 Nov 2004

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Contemporary PKI

- **Gatekeeper**
 - ATO eBAS certificates
 - HeSA > 7,000 certs
- **US Patent Office**
 - 10% of filing online X \$200 saved = \$6M p.a
- **Johnson & Johnson**
 - Over 100,000 certificates on USB keys
<http://middleware.internet2.edu/pki04/proceedings>



Policy developments

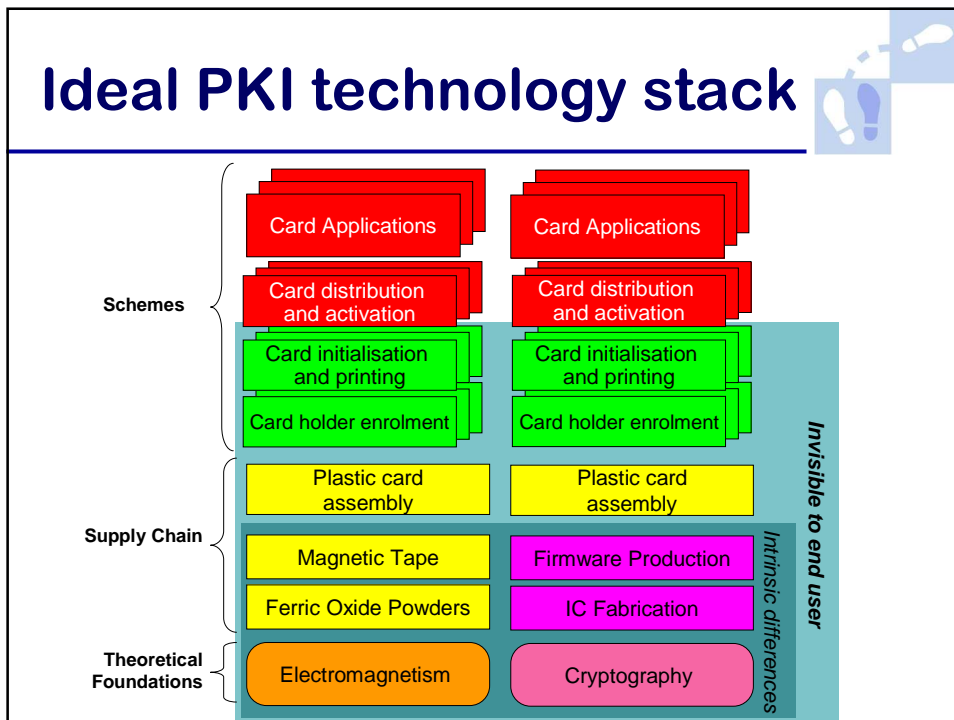
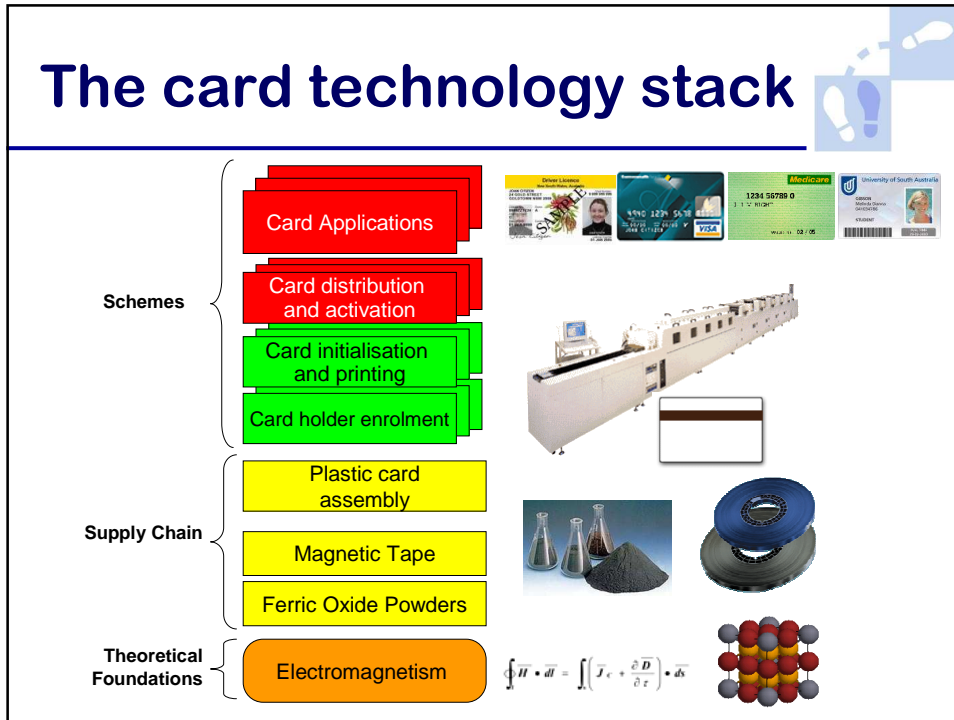


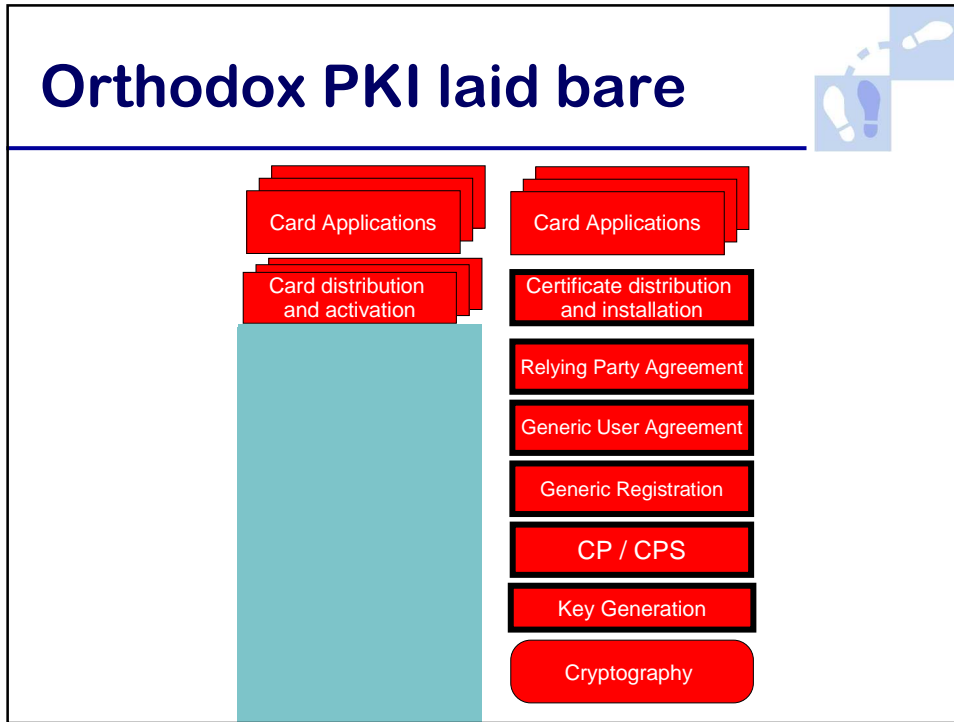
- **AITSF Position Paper**
 - www.aitsf.aeema.asn.au/resources/doc/documents_10.pdf
- **“Community Based” PKI**
 - cf. Federated Identity
 - cf. “Bridge” CA
- **Pan Asia e-commerce Alliance**
 - China, Hong Kong, Japan, Korea, Macau, Malaysia, Singapore, Taiwan, Thailand
 - Tradelink Hong Kong >100,000 certificates
 - www.paa.net
- **Gatekeeper Policy Committee**

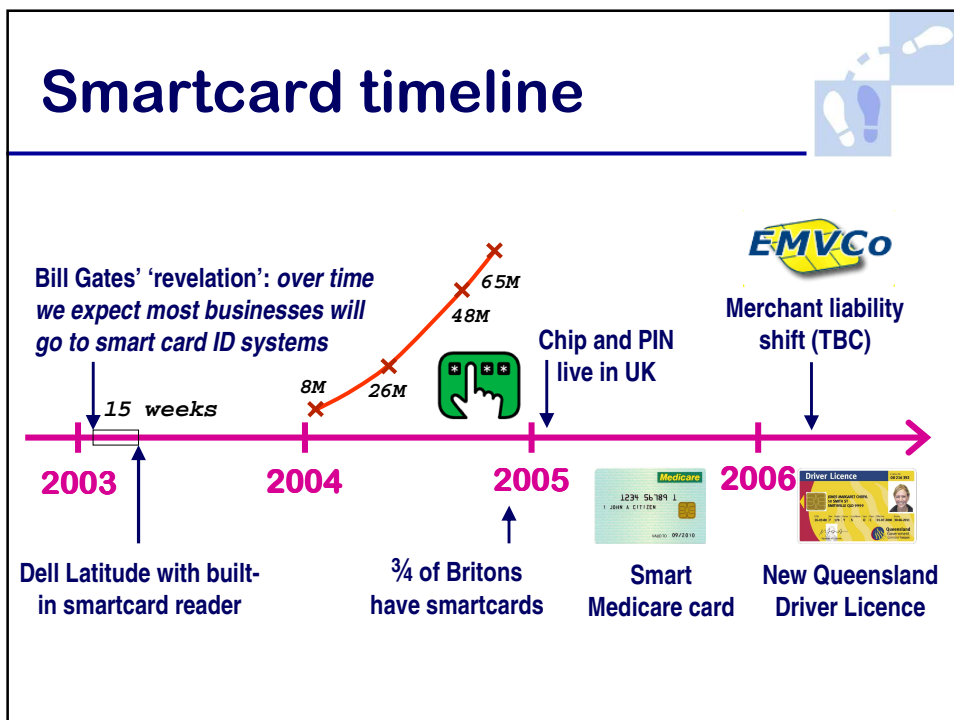
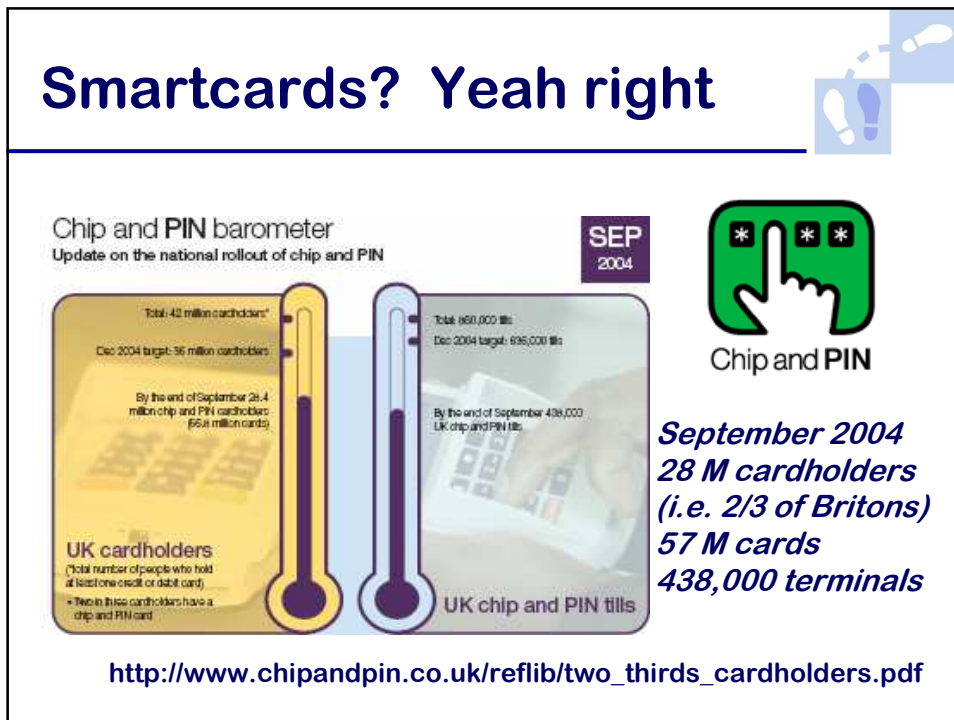
Further policy reform



- **Get out of Evidence of Identity**
- **Embrace community PKI**
- **Promote embedded PKI**
- **Transition to conformance assessment regime (per ISO 17025)**
- **More leadership in *re-imagining* PKI**







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The logo for Lockstep Consulting, featuring the word "LOCKSTEP" in a bold, blue, sans-serif font. The letters are arranged vertically, with the 'L' at the top and the 'P' at the bottom. Below the text, there is a graphic element consisting of a blue square with a white footprint, and a dashed line leading to another blue square with a white footprint, suggesting a path or steps.