Card Authentication: Principles for a Standards-Based System

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The need:

- To verify that cards presented as “government issued” are in fact issued by government.
- To have a standards-based approach that can work across multiple vendors.
Principles

Any card authentication method must be:

- Secure - have the ability to authenticate a smart card to a reader
- Address complex issues involved with managing a card authentication system
- Be supportable by multiple vendors
Key questions

- Key management?
- In-line with COTS access control approaches?
- How to do pre-arrival visit authorization
  - Card Write Permissions?
The work the IAB is doing will ensure that the Card Authentication system will support both interoperability and security across government agencies.

Still evolving!

Crafted by public/private partnership of both government agencies and smart cards and access control vendors

Standards based

Non-proprietary
Key issues which still must be addressed

- Vendor Interoperability – ICAO test report
- Agency requirements vs. capability & flexibility of the standards and specifications.
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