Building a Trust Services Infrastructure (TSI):
A use case for Federated Identity Management in a local government context

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The North East of England

2.7 Million People
1.1 Million in Tyne&Wear
25 local authorities
Sunderland is the largest city (but Newcastle is the regional capital)
New channels for existing services by e-enabling them.

1st Generation eGovernment
- Publish services on the WEB
- Make services interactive
- Make services transactional

2nd Generation eGovernment
Transform services
- Single Agency Multi-service
- Multi-Agency Multi-service
- Multi-Agency, Multi-Service
- Reusable Public Service Infrastructure

3rd Generation eGovernment

The eGovernment Road map

CRM

Regional Approach

Trusted Core Services: Identity, Consent, Geography
The TSI Core
Building Smartcard Services

- Secure Identifiers
  - PKI, (3 cert pairs)
- Electronic Ticketing
  - ITSO
- User Related Info
  - EURI
- Stored Value
  - EMV

64K Dual Interface Javacard
Objectives for the Trust Services Infrastructure

• Prototype regional infrastructure
• Gather user feedback
• Explore Service Provider business models
• Test-bed product development
• Link to other infrastructure
• Limit development
THE USE CASE

Engaging disadvantaged youth in constructive activity

- 2 year pilot programme
- prompted by Department for Education and Skills
- target group 13-19 yrs old (300,000 in 10 pilots)
- smartcard based incentives payments
- predicated on integration with local authority smartcard infrastructure
Known facts satisfies KYC

Registering Centre

Identity Provider

Registration Engine

Card Issuing Bureau

Sunderland City Council Youth Portal

Constructive Activity Providers

Media frenzy

Sign-up Manager

Single Sign-on Server

CRM System

School IMS

DIES - YOC Management System

Banking System

Venue

Accepting Terminal

ATL Server

ITSO AN

BANK AN

ITSO AN

Registioning Engine

PKI

Smart Card Management System
Where is Liberty being used?

- **Now**
  - Liberty/Saml 1.1 for level 0/1 authentication to Government Connect

- **In the near future**
  - Consent based attribute exchange with DFES and Bank – possibly with activity providers
  - Bilateral Trust Agreements (Bank – Gov)

- **In the longer term**
  - Engaging with Mobile Service Providers, Health and Education infrastructure
  - Development of Circle of Trust Agreements
The business case lies in transformation

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