Government Gateway

From 1.0 to 1.5 and beyond
Vision

Locations
- Libraries
- Supermarkets
- Businesses & Employers
- Kiosks

PC’s and Devices

User experiences

Government services

Commercial Portals

Application Software

Government Portals

Internet

Payments

Transaction Engine

Authentication & Authorisation

Secure Messaging

Internet (VPN-protected) or closed secure intranet

XML integration tier

Local Authorities

Central Departments

Regional Authorities

Libraries

Supermarkets

Businesses & Employers

Kiosks

Commercial Portals

Application Software

Government Portals

Payments

Transaction Engine

Authentication & Authorisation

Secure Messaging

Local Authorities

Central Departments

Regional Authorities
1.5 Features

- Move to GSO codebase
- W3C XSD support
- Resolution of various features around eg. Agents
- R&E Web Services
- Level 0 Transactions
- Pre-Activation PIN
- Hub and Spoke
- Improved management support
Schedule

Live by end of June
**W3C XSD Schema**

**Issue:** Current schema in Gateway are pre-final W3C recommendation

**Move will enable:**
- GovTalk Header update to Version 2 (final XSD compliance)
- Gateway Admin messages update to Version 2 (final XSD compliance)

**Potential XML conversion to previous schema for departments to ensure backward compatibility**

**Policy of support for current schema + schema-1**
R&E Web Service (1)

Issue: portals and other sites need to enable users to register/enrol for services in-line, rather than having to go to the Gateway UI

New feature will enable:

- Programmatic access to R&E authentication and authorisation services via SOAP/web service
R&E Web Service (2)

Web service methods overview:

- Register a new user
- Enrol a user for a service
- Logon
- Logoff
- Activate
- Unenrol a user from a service
- Change Password
- Get a login document
Level 0 Transactions

Issue: Gateway currently supports level 1 and level 2 transactions. Support for Level 0 (un-authenticated) is required.

Enables submission of:

- ‘Pure’ Level 0 Transactions (eg. request for info)
- ‘Advanced’ Level 0 Transactions where R&E is configured to allow a submission signed by a user not yet known to the Gateway

Close relationship with auto-enrolment
Pre-Activation PIN (1)

Issue: registering/enrolling on Gateway is seen as time-consuming, with a lag between enrolling and activating an account.

Pre-activation PIN will enable:

- Departments to pre-send a PIN and mailshot to potential users of a service.
- Users to come to the Gateway and register/enrol and get instant access to the appropriate service.
Pre-Activation PIN (2)

1) Department mailshots potential user, selling benefits of using online services and enclosing an activation PIN

2) User goes to register/enrol on the Gateway. They provide their known facts.
   If service is one with pre-sent PIN, then they are also challenged to input the PIN (almost like a known fact)
   Provided their known facts AND the PIN successfully match, they are then enabled on-line for that service and can use it immediately. A letter is sent confirming their service is now enabled.
   However, if they do not provide the pre-sent PIN, the Gateway will invoke it's own PIN mechanism and send the usual activation letter. The user can then return to the Gateway when received and activate their account in the usual way.
Hub & Spoke

Issue: need to connect organisations over the Internet as well as the GSI; need for connections to support business messages as well as admin messages

The core issues here are:

- this approach does not replace the existing posting/polling mechanism, but is an alternative
- spokes must be able to connect in the same way regardless of whether they are using the GSI or the Internet (issue: protection of traffic; authentication of spokes)
- all spokes should have the ability to exchange admin messages with the Gateway (issue: two-way authentication and authorisation of traffic; correct routing)
- all spokes should have the ability to receive and respond to business transactions received from the Gateway (issue: correct routing)
- all spokes should have the ability to submit transactions/business forms to the Gateway (issue: need for incoming business forms from spokes to be routed into core Gateway logic so underlying issue is correct routing)
Hub & Spoke (2)

will enable:

- Secure connections over the Internet (128-bit SSL or dedicated VPN supported)
- Support for signed admin messages
- Support for FTP of known facts
1.6 release

- Auto-enrolment
- Multiple enrols to a service, with different identifiers
- UI checkbox for T’s and C’s
- Rules change for validation of company registration number
- Agent assignment
- Various CR’s
- Payments
- Business submissions via DIS + DIS cert mgt
- Helpdesk User ID resend facility
1.6 Schedule

Target is two drops:

- High priority – end of July
- Rest – end of August
Other Futures

- Secure Messaging update
- Audit improvements
- MIS improvements
- Rework of portal authentication service
- Agent assignment enhancements
- R&E web service extensions
- Integration tier
- Click to add
- R&E enhancements
- ISV test service enhancements
Auto-Enrolment

Issue: need to make enrolling and setting up services for users and orgs simpler

Auto-enrolment enables:

- Departments to send a message to the Gateway auto-enroling a user for a specific service or set of services

Close relationship with Level 0
Level 0 and Auto-Enrolment

1). User signs business submission with t-scheme certificate

Business submission (eg. VAT Registration Application) → Gateway

Gateway checks submission. User is not enrolled for the service, but the service is flagged as allowing signed submissions for users not already enrolled. The cert is checked for validity and message is then cleared and routed on to department.

Gateway → Business submission (eg. VAT Registration Application) → Department

Enrolment request with cert

3). Department validate form. If successfully accepted the user is added to their business systems and a message is sent back to the Gateway, containing the users known facts and their credential so that they can be enrolled. If unsuccessful, the Department contact the user directly.

4). Gateway receives and processes enrolment request. Address request response then initiated and a letter is sent out confirming enrolment for service.