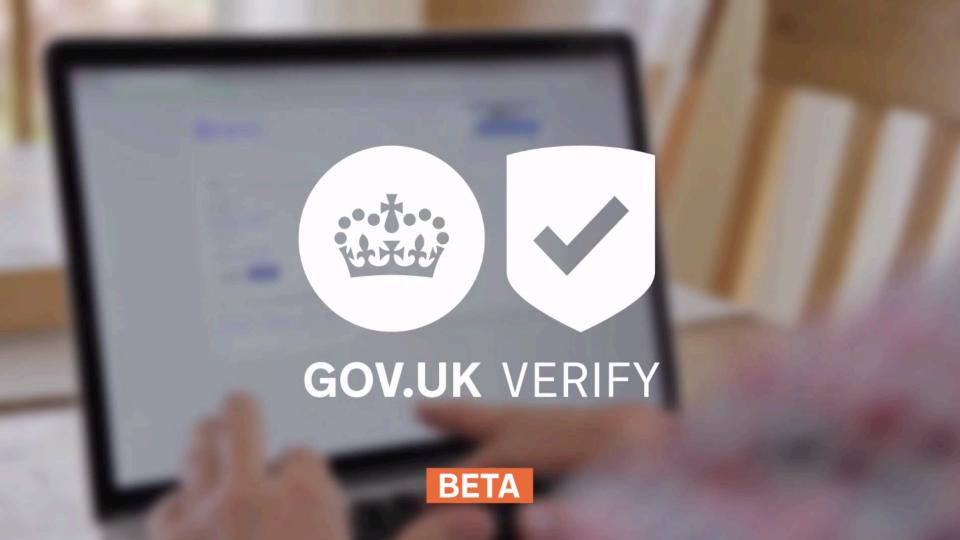
BETA



Economics of Identity

7 December 2015

@janethughes



GOV.UK Verify is the new way to protect users from identity theft

how it works

progress update

our market-based approach

how it works

progress update

our market-based approach

Verify once, access many services

Self assessment tax return (HMRC)

View your driving licence (DVLA)

PAYE for employees: company car (HMRC)

Claim a tax refund (HMRC)

Claim for redundancy payment (BIS)

Rural payments (Defra)

Claim Universal Credit (DWP)

Help friends & family (HMRC)

20 more services to join in the next year

A growing range of government services are using GOV.UK Verify

Search

a

Home > Working, jobs and pensions > Redundancies, dismissals and disciplinaries

Claim for redundancy and monies owed

You can claim money (eg redundancy pay, wages you're owed, holiday pay) if you've lost your job because your employer has been made insolvent.

Use this service if:

- you've been made redundant because your employer is insolvent
- you have a case reference number (you get this from the insolvency practitioner)
- you have your National Insurance number
- · you have an email address
- you're a national of the UK, the <u>European Economic Area</u> or you're a Commonwealth citizen with permission to work in the UK



Before you start

The following may help you with your claim:

Redundancies, dismissals and disciplinaries

Your rights if your employer is insolvent

More

Elsewhere on GOV.UK

Claim for loss of notice





This is a new service - your feedback will help us improve it

Verifying your identity

We need to verify your identity before we can make a payment.

You'll receive your payment faster if you verify your identity with GOV.UK Verify and you can also resume a claim you have already started.

To use GOV.UK Verify you'll need a UK passport, photocard driving license or bank statement.

 I agree to the Redundancy Payments Service using my name, address and date of birth provided by GOV.UK Verify

GOV.UK Verify

Other ways to claim

You can use this service without using GOV.UK Verify.

Your payment will take longer to arrive as additional checking will be required. You will not be able to return to a claim you started earlier.

Continue without verifying





BETA This is a trial service. Your feedback will help us to improve it.



How it works

A certified company will verify your identity. They've all met security standards set by government.









There's no charge for this service.

Next

► How companies can verify identities

⊞ GOV.UK

BETA This is a trial service. Your <u>feedback</u> will help us to improve it.				
Certified companies use information verify you.	from different i	identity docume	ents to	
Do you have these documents with yo	ou?			
UK photocard driving licence (excluding Northern Ireland)	Yes	No No		
2. UK passport	Yes	No No		
3. Passport from another country	Yes	○ No		
I don't have any of these docum	ents with me			
Please note: you cannot use docume	ents that are ou	t of date.		
Continue				





BETA This is a trial service. Your feedback will help us to improve it.

Do you have a mobile phone or tablet?

Can you install apps on your device?



Continue



BETA This is a trial service. Your feedback will help us to improve it.

Choose a company

• Why there's a choice of companies

Based on your answers, 2 companies can verify you now:



Choose Digidentity

About Digidentity



Choose Post Office

Based on your answers, these companies can **not** verify you now:



Choose Verizon

About Verizon



Choose Experian

About Experian



Cymraeg



Register

To become GOV.UK verified you will need to provide some information (and possibly answer some questions) so that we can securely verify who you are.				
The first step is to create an Identity Account. Once you have been verified this account can be used to immediately access other government services wherever you see the GOV.UK logo.				
How long will it take and what will I need to do? 🕡				
Please fill in the details below, you will use these to login to your account.				
Your Email Address				
Username 3				
Create Password				
②				
Confirm Password				
□ I agree to the Experian <u>Privacy Policy</u> and <u>Terms and Conditions</u> ②				

Continue Cancel

5 elements:

- A there is identity evidence
- B the evidence is valid and / or genuine
- C the identity belongs to this person
- D the identity isn't fraudulent
- E the identity has been active over time

GOV.UK Verify

BETA This is a trial service.

DVLA is processing your details

This may take a few seconds, please bear with us.



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∰ GOV.UK

View your driving licence information

We welcome your $\underline{\text{feedback}}$ to help us improve this service

<u>Logout</u>

Your details

Vehicles you can drive

Penalties and disqualifications

Share your licence information BETA

Ms JANET MARIE HUGHES

Date of birth

Gender

Address

Licence details

Driving status You have a full driving licence

Female

Licence valid from 16 Jul 2013

Licence valid to 15 Jul 2023

Driving licence number H

Licence issue number

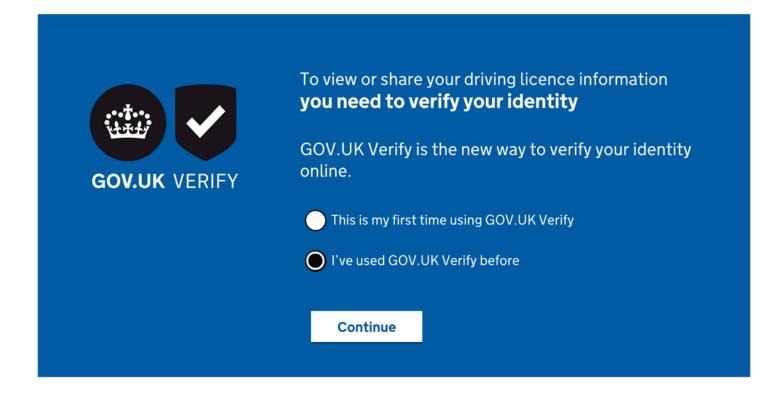
To update or renew your driving licence details visit the <u>driving licence</u> section







BETA This is a trial service. Your feedback will help us to improve it.







< Back

Who do you have an identity account with?

If you don't have an identity account, you can start now.

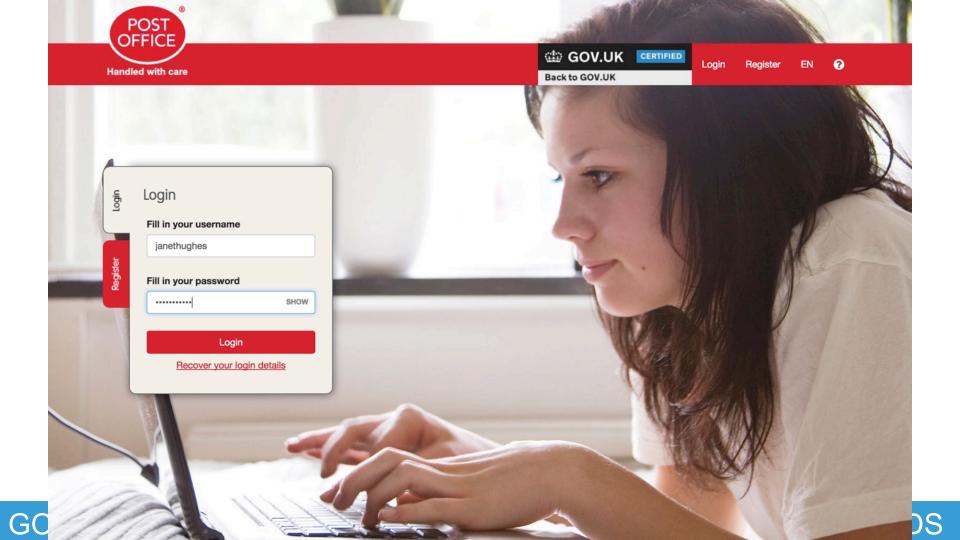












how it works

progress update

our market-based approach

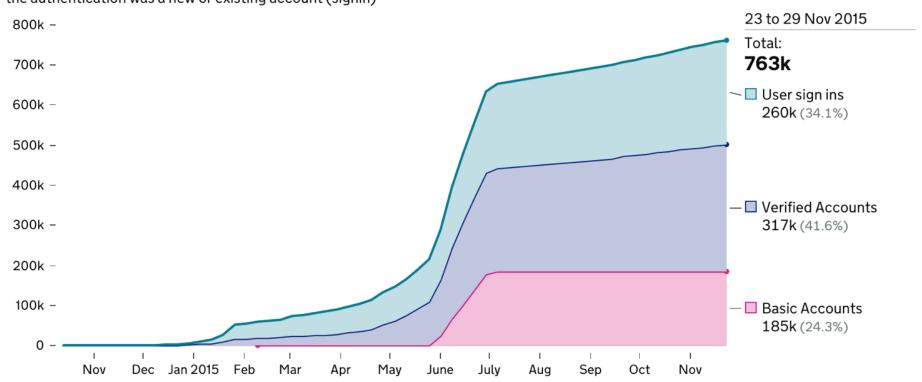
how it works

progress update

our market-based approach

Total authentications

A cumulative total of the number of times accounts were used successfully, broken down by type (verified or basic account) and whether the authentication was a new or existing account (signin)

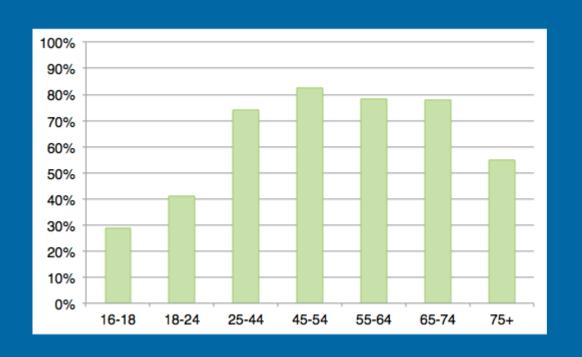


GOV.UK Verify is in beta, so it's optional and is being tested and improved based on user feedback

Alpha	Beta	Live
	Oct 2014	April 2016

GOV.UK Verify will work for 95% of users by July 2016

GOV.UK Verify demographic coverage: November by age group



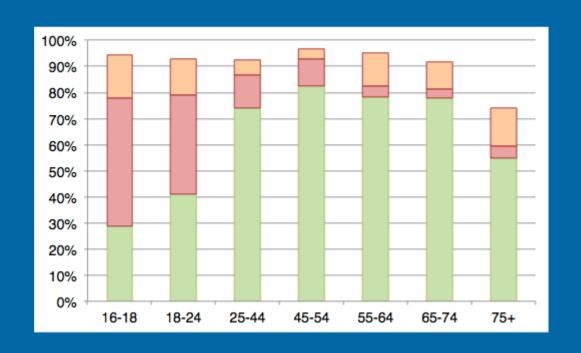
Younger and older cohorts have less demographic coverage due to a lack of activity history

GOV.UK Verify demographic coverage: April by age group



The addition of new data sources increases activity history coverage (element E), particularly amongst young people

GOV.UK Verify demographic coverage: July 2016 by age group



Adding further data sources for activity history increases demographic coverage across all age groups, with only over 75s below 90%

how it works

our market-based approach

progress update

We're aiming to create and grow a new market for identity services

A market-based approach is better for:

user choice user privacy rapidly developing threats & markets meeting wider needs

GOV.UK Verify GD

A market-based approach is better for:

user choice
user privacy
rapidly developing threats & markets
meeting wider needs

GOV.UK Verify GDS

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Next

New providers coming soon:

Barclays

Paypal

GB group

Morpho

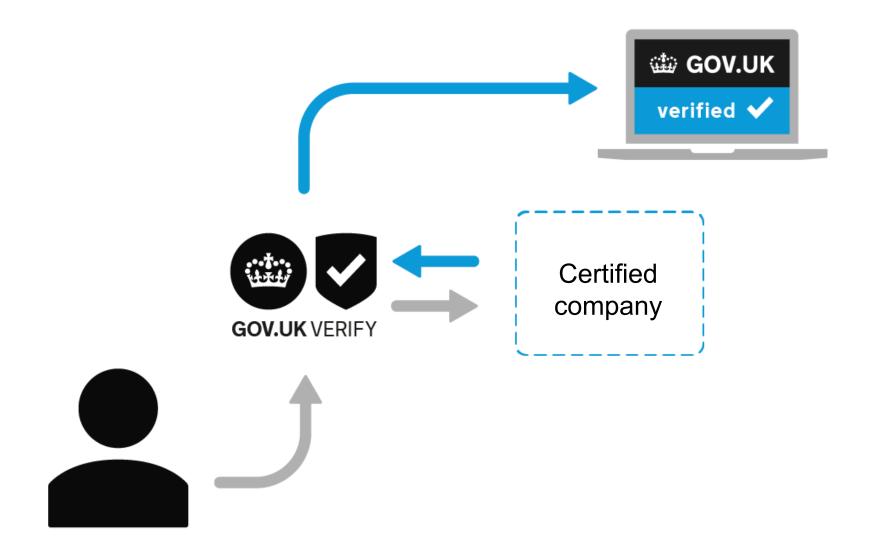
Royal Mail

GOV.UK Verify

A market-based approach is better for:

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meeting wider needs

GOV.UK Verify GDS



Identity assurance principles

Identity assurance principles

Control Certification

Consent

onseni

Multiplicity

Quality

Dispute resolution

F₂

Exception handling

Minimisation

Access/portability
GOV.UK Verify

GDS

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Q

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IRS Hack Job Compromises more than 300,000 Tax Records

August 18, 2015

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By Brett Daniel Shehadey

Special Correspondent for In Homeland Security

America is moving too fast in the technical space. It is at least moving faster than it is ready for. Whether it is governments, bureaucracies like the IRS or companies pushing the latest digital trends into the Internet of things, the result is often the same—a lack or lapse of security consciousness.

The IRS rolled out a brand new service called *Get Transcript*. Out of a reported 281,000 failed attempts, some 334,000 accounts were successfully breached by hackers.

The IRS Get Transcript website allowed online access to view the complete reported tax accounts of taxpayers who signed up. To gain entry, the hackers needed substantial personal



Search

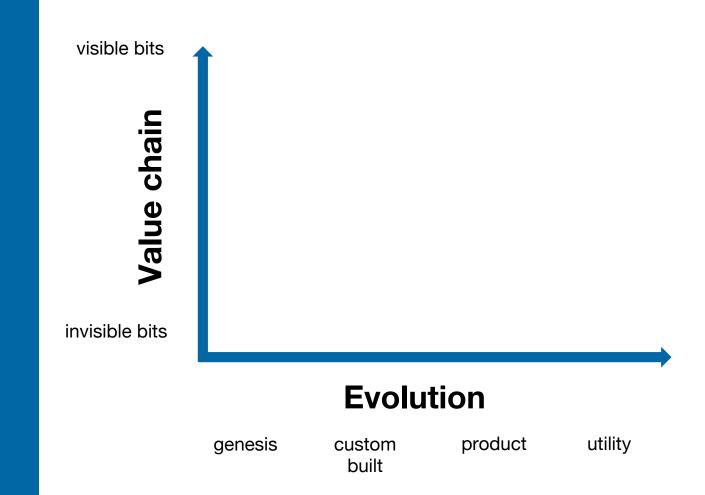
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American Military University

WE ARE DRIVEN TO HELP YOU GET THERE.

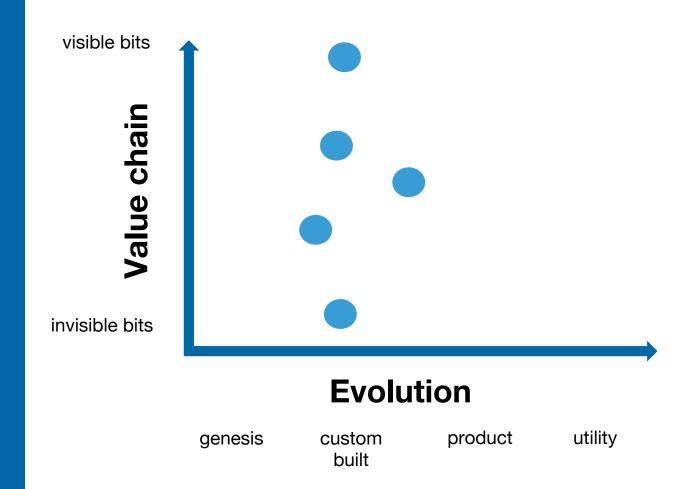
InHomelandSecurity Video Series

Wardley map



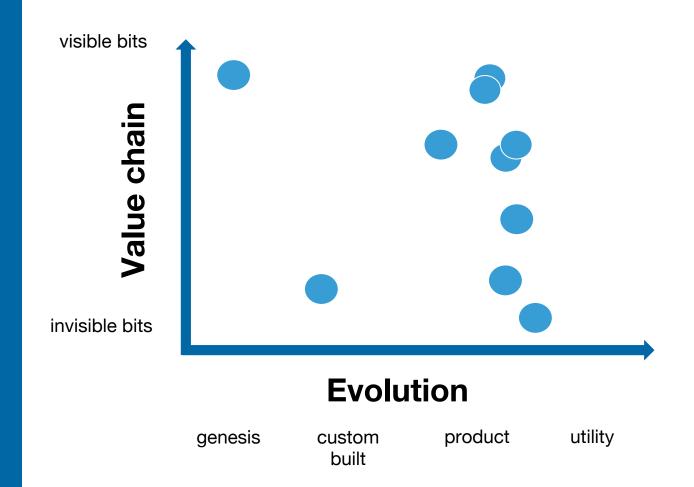
GOV.UK Verify

October 2014



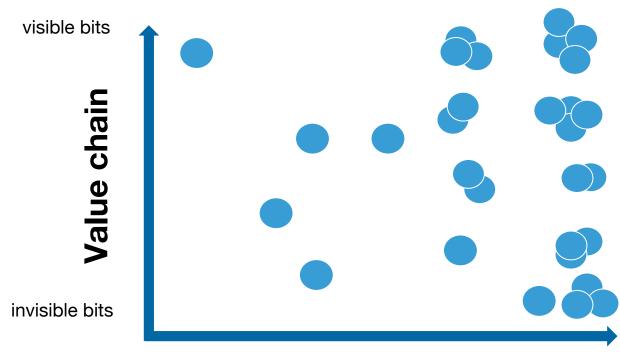
GOV.UK Verify

October 2015



GOV.UK Verify success:

diversity, utility, competition



Evolution

genesis

custom built product

utility

A market-based approach is better for:

user choice user privacy rapidly developing threats & markets meeting wider needs

In 2014:

41% of all fraud was identity fraud 84% of identity fraud was online

(Source: CIFAS)

The cost of identity services in the UK has been estimated at £3.3bn

GOV.UK Verify

GDS

The cost of identity services in the UK has been estimated at £3.3bn

Federated approaches like GOV.UK

Verify could reduce these costs by 90%

(source: https://www.ctrl-shift.co.uk/news/2014/06/09/the-economics-of-identity/)

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Federated approaches like GOV.UK

Verify could reduce these costs by 90%

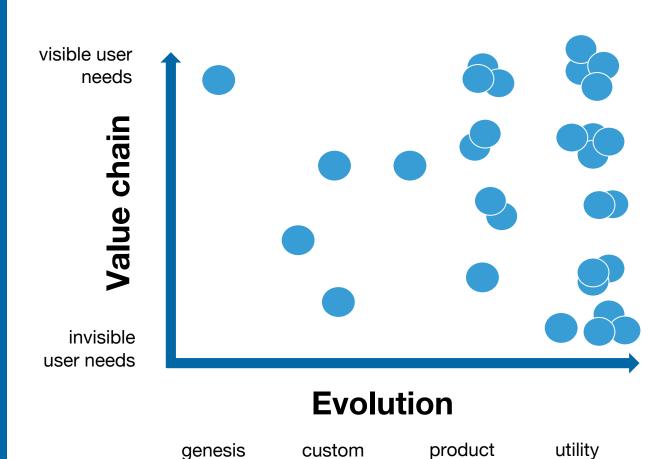
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GOV.UK Verify success:

diversity, utility, competition



built

Setting standards
Aggregating demand
Managing the commercial framework
Developing sources of supply

Setting standards
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Guidance

Identity proofing and verification of an individual

Q

Cabinet Office From: First published: 6 January 2014

Last updated: 3 November 2014, see all updates

Part of: Identity assurance: delivering trusted transactions and Central

government efficiency

This good practice guide (GPG 45) provides guidance on the identity proofing and verification of an individual using online services.

Document



Identity Proofing and Verification of an Individual

Ref: GPG 45 PDF, 838KB, 32 pages

Search



DIGITAL AGENDA FOR EUROPE

A Europe 2020 Initiative

European Commission > Digital Agenda for Europe > Trust services and eid

A

Digital for Europe Digital society

Digital economy

Access and connectivity Research and innovation

Digital society Skills & Jobs eHealth and Ageing Smart living **Public Services** Cybersecurity and privacy Online trust Better Internet for Kids Trust Services and eID Trust services e-Identification Content and media Emergency and support lines Societal challenges projects

Trust Services and eID

Electronic identification (eID) and electronic Trust Services (eTS) are key enablers for secure cross-border electronic transactions and central building blocks of the Digital Single Market.

The Regulation (EU) N°910/2014 on electronic identification and trust services for electronic transactions in the internal market (eIDAS Regulation) adopted by the co-legislators on 23 July 2014 is a milestone to provide a

predictable regulatory environment to enable secure and seamless electronic interactions between businesses, citizens and public authorities.

In this regard, the eIDAS Regulation

- ensures that people and businesses can use their own national electronic identification schemes (eIDs) to access public services in other EU countries where eIDs are available.
- creates an European internal market for eTS namely electronic signatures, electronic seals, time stamp, electronic delivery service and website authentication - by ensuring that they will work across borders and have the same legal status as traditional paper based processes. Only by providing certainty on the legal validity of all these services, businesses and citizens will use the digital interactions as their natural way of interaction.



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ISO/IEC 29115:2013[®]

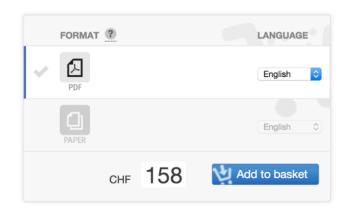
Information technology -- Security techniques -- Entity authentication assurance framework

Abstract

Preview ISO/IEC 29115:2013

ISO/IEC 29115:2013 provides a framework for managing entity authentication assurance in a given context. In particular, it:

- specifies four levels of entity authentication assurance;
- specifies criteria and guidelines for achieving each of the four levels of entity authentication assurance;
- provides guidance for mapping other authentication assurance schemes to the four LoAs;
- provides guidance for exchanging the results of authentication that are based on the four LoAs; and
- provides guidance concerning controls that should be used to mitigate authentication threats.





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Developing sources of supply

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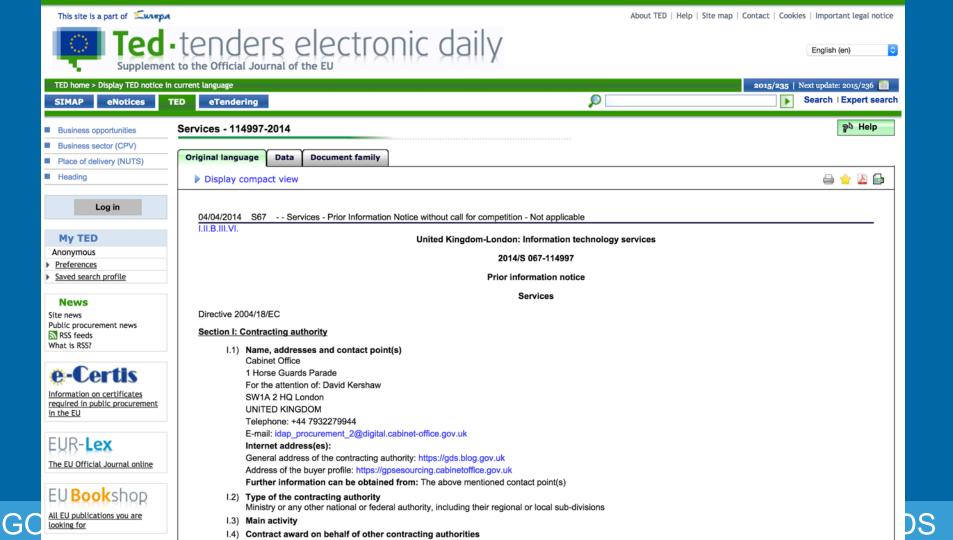
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20 more services to join in the next year

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Developing sources of supply



Setting standards
Aggregating demand
Managing the commercial framework
Developing sources of supply

Developing sources of supply

- increase demographic coverage
- make it easier to verify

GOV.UK Verify

GDS

Developing sources of supply

- mobile phone data
- charity data Just Giving
- bank accounts

Follow our progress, ask us questions:

identityassurance.blog.gov.uk

@GOVUKverify

gov.uk/verify

thanks

BETA



Economics of Identity

7 December 2015

@janethughes