Criminal Justice System
Common Platform Programme

CJS Common Platform Programme

Security Update – National Digital Practitioners Working Group

v0.1 24 August 2016

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Introductions

- Who am I?
- What I'm here to talk with you about:
  - What are we trying to achieve for the Common Platform Security Model?
  - Who is involved / What's the structure?
  - Current Status and Next Steps
  - What part would I like you to play?

  - Burning Issues (2FA)

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What we're trying to achieve

"*The effective management of information is critical to safeguarding it. Government organisations will consider good information management practice as the basis for their information security arrangements.*"

HMG SPF 2014

- Common Platform seeks to provide a single cloud based business environment to enable CJS community to complete the judicial process
- This is complex:
  - Stakeholder community is diverse and distributed
  - Cloud technology is still evolving and remains relatively immature
  - Lots of legacy to address (systems, practices, habits)

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Simplifying Security

Security can be effectively applied by following just 3 principles:

1. To meet a legal obligation
2. To mitigate an unacceptable business risk
3. To achieve a business benefit

Unless one of more of these principles can be met we don't obviously need (and won't apply) additional security measures

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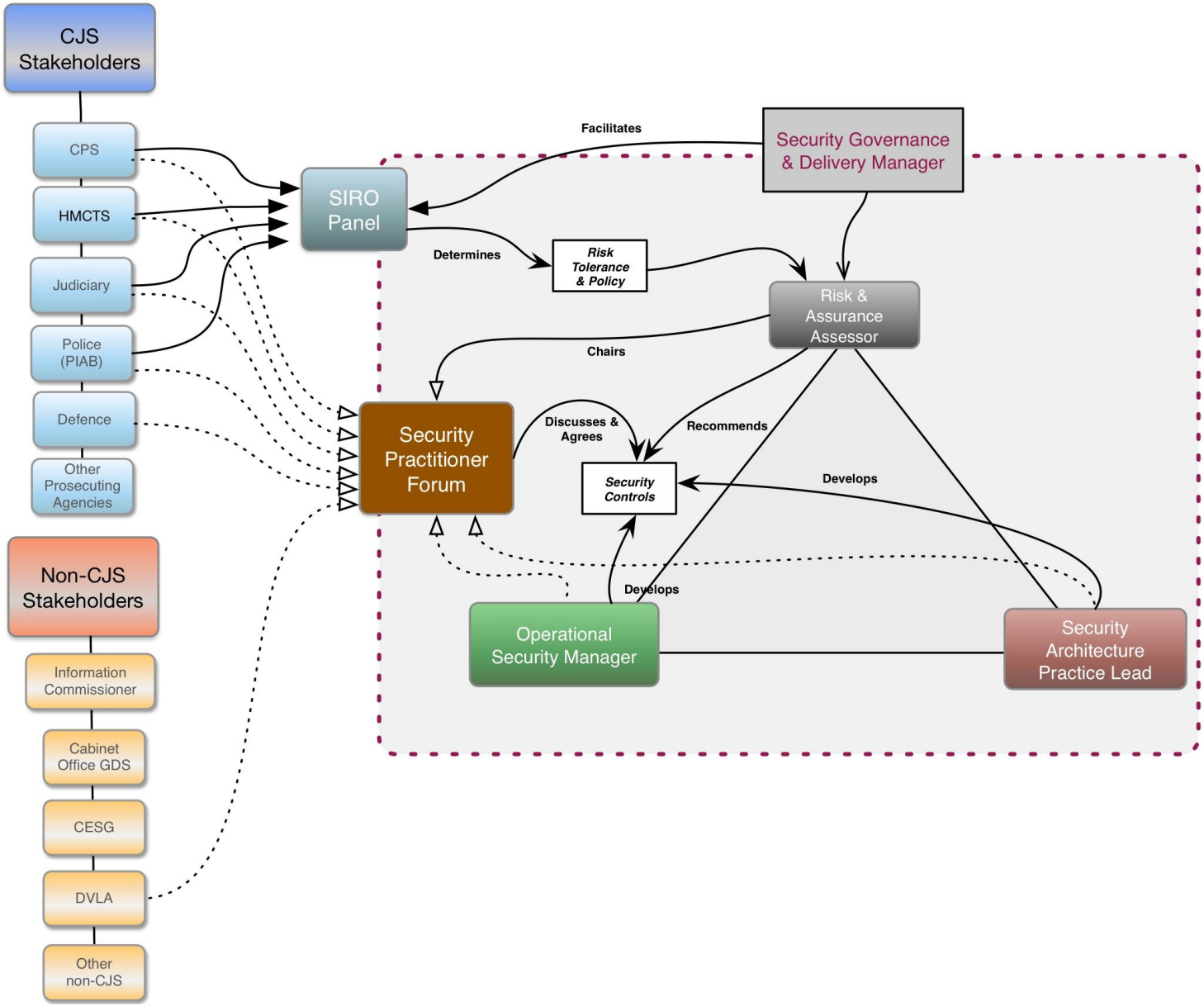
CPP IA Governance Model



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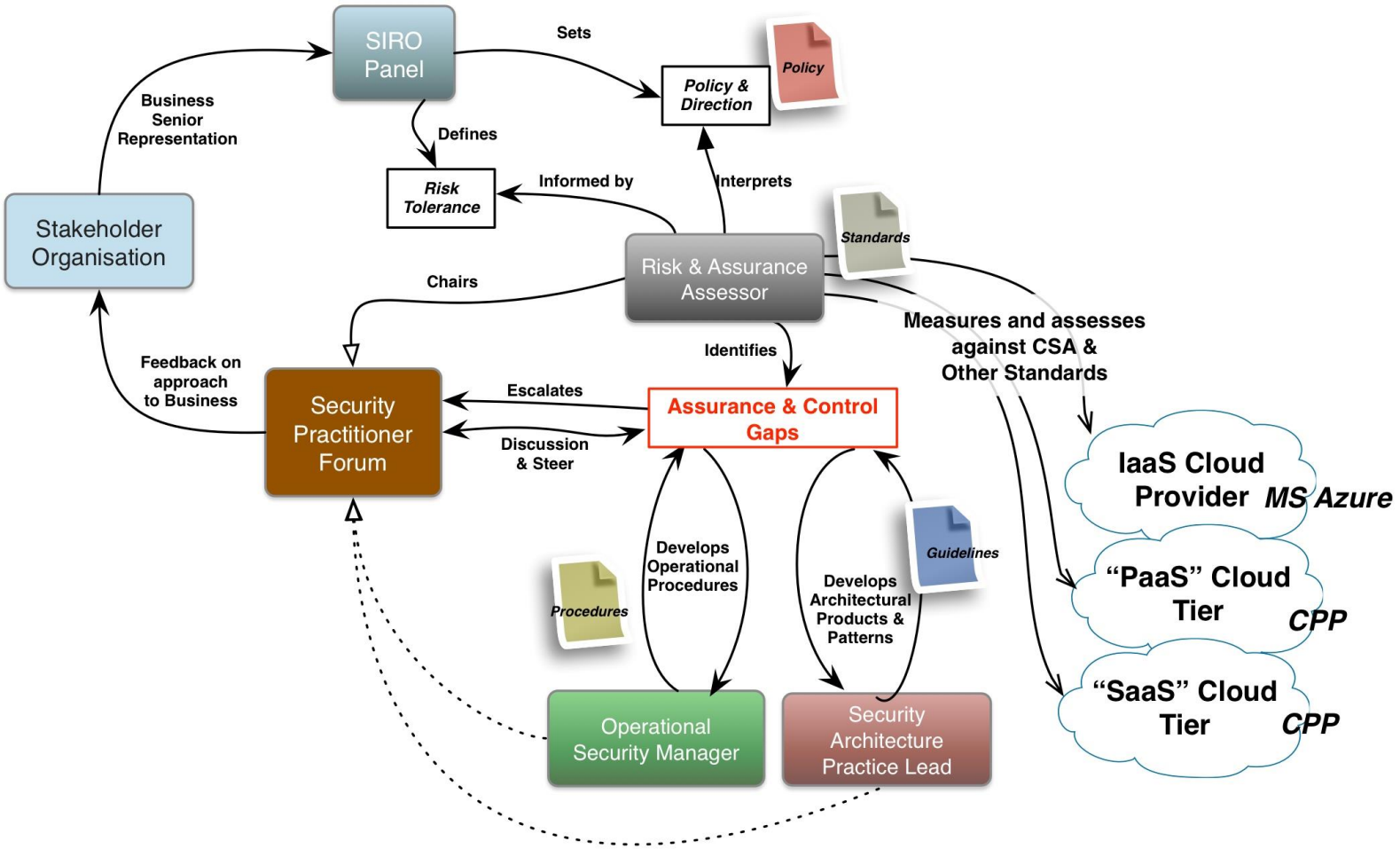
How that works in practice



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Risk and Assurance Approach

- Objective is to provide security assurance using industry standards:
  - Cloud Security Alliance:
    - Cloud Controls Matrix
    - Cloud Assessments Initiative Questionnaire
    - CSA STAR
  - ISO Standards (27001, 27017, 27018)
  - Industry approaches – COBIT/ITIL
- Communicate risks for acceptance by SIRO Panel and stakeholders
- Engage stakeholder community to build the required shared trust & assurance model to achieve business goals

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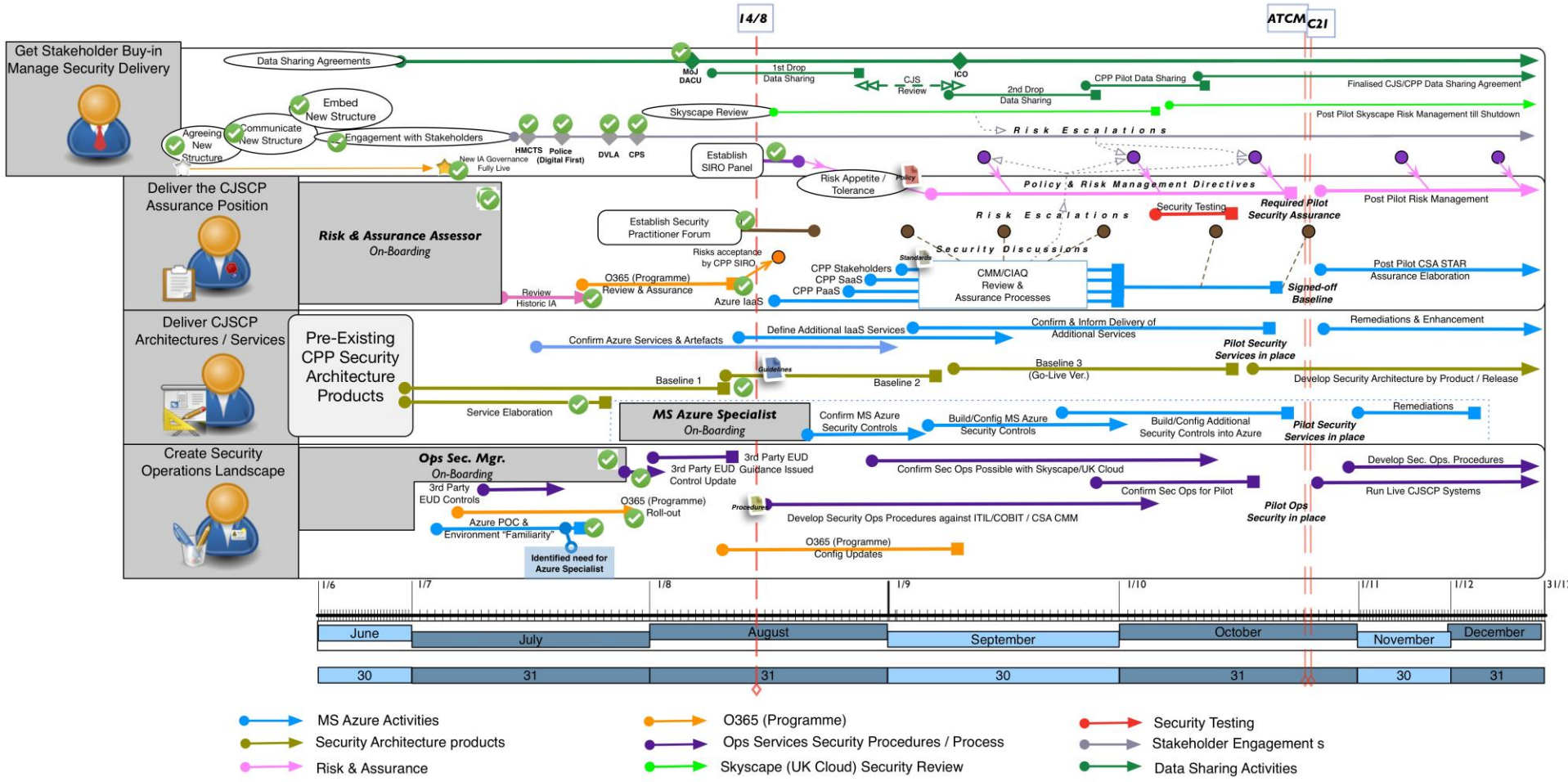
Where we are – the challenge is still very complex…



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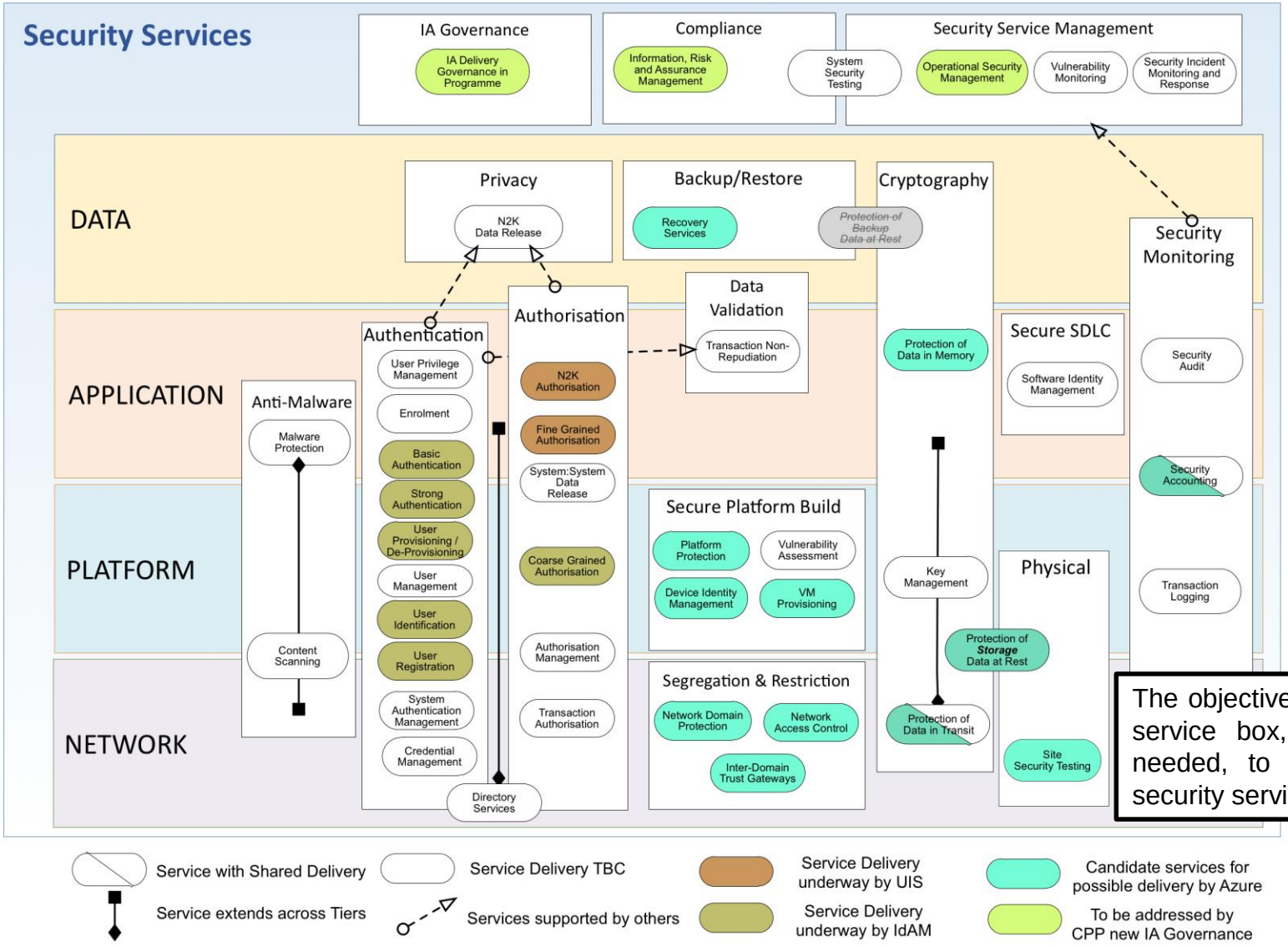
We need to build a lot of services…



The objective is to colour in every service box, or erase it if not needed, to build a full CJSCP security service landscape

Note: Services picture as of 1 June 2016

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We really do need & value your input…

- Direct Security Engagement
  - Security Practitioners Forum
  - Engagement at this working group
  - Do we need a dedicated Defence Security sub-group?
  - Any others?

- Indirect “security” influence
  - Including your security requirements in User Stories
  - Explaining your working practices to BPO’s so we capture challenges
  - Trialling the approaches and giving us feedback through pilot phases

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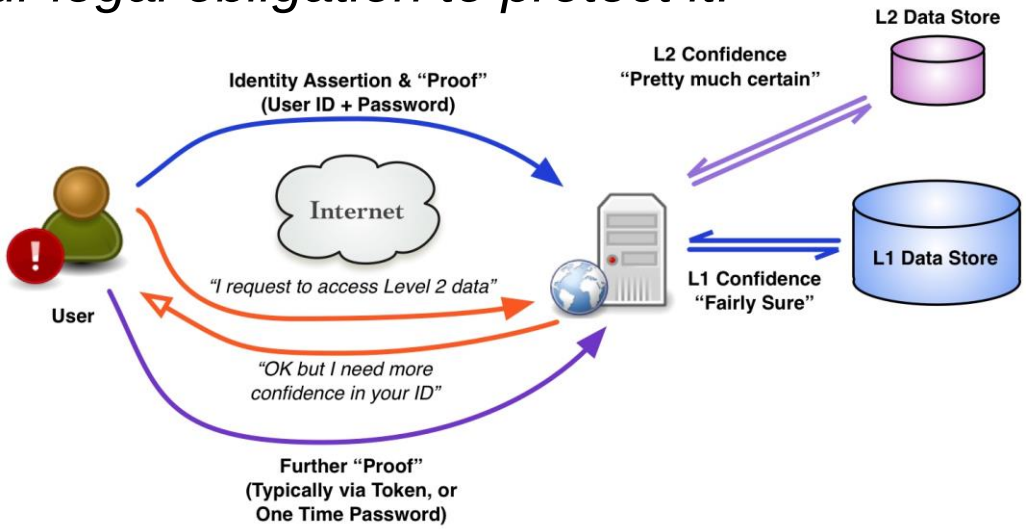
A Burning Issue: "2FA"
(AKA Strong Authentication)

Q - *What are we actually trying to achieve?*

A - *Enough confidence in user identity to give access to data whilst meeting our legal obligation to protect it.*



- Lots of possible approaches – of varying quality and cost
  - Initially a mobile app will be deployed, but this isn't the only option
  - Working with ICO and information owners to establish WHEN strong authentication is actually needed (what is the "Level 2" data?
  - Need to work with CJS practitioners to confirm WHAT that strong authentication needs to look like