



AdviSec Ltd

Aims

The 'Police National Database' (PND) is a 'key' nationally-hosted policing application that needs to be accessed by Police Forces across the UK. Access to the PND is subject to both the PND and IAM ('Identity Access Management') codes of connection, and in particular is subject to authentication based on the use of a smartcard hosting an x509 certificate.

Police Forces can choose to operate their own SYSTEM for managing the smartcard life cycle, including operating a Public Key Infrastructure (PKI) or they can subscribe to a national service provided by Siemens on behalf of the Central Services Team. In both cases there is a requirement for accreditation under t-scheme, with audits undertaken by LRQA or KPMG.

It is worth noting that there is: 't-scheme for Police' and 'full t-scheme'; the latter being for those Police Forces that choose to operate their own PKI and issue smartcards to other organisations. Full t-scheme necessitates that the Police Force is formally certified to ISO27001 with regard to the PKI components.

Challenges of the Audit

The scope of a t-scheme audit depends somewhat on whether the particular Police Force chooses to operate its own PKI, however notwithstanding, the audit, which is undertaken over two Stages (1 & 2) with an optional Stage 0 audit, will cover the following elements:

- Organisational structure that is 'in-place' to undertake the roles and responsibilities specified in the codes of connection, including any reliance on third parties for service delivery
- Documentation, e.g. Risk Management & Accreditation Document Set (RMADS) for the CONFIDENTIAL (IL4) environment, Certificate Practice Statements (CPS), Protective monitoring & audit policy, Design and 'build' documentation, Support processes and SLAs
- Evidence that requirement statements are being implemented and that roles are not being 'abused'

T-scheme audits, and in particular for Police Forces that choose to operate their own PKI, are not straightforward – technically the event(s) can be very challenging and necessitate the presence of specialists.

Client Engagement

Advisec Ltd through its CLAS (CESG Listed Advisor Scheme) and CISSP (Certified Information Systems Security Professional) consultants specialises in preparing Police Forces for their t-scheme audit and providing support during the audit (if required).

Advisec Ltd typically operates in collaboration with our partner and PKI specialist provider SySec Ltd, whereby they design and implement the PKI solution, whilst our consultants

focus on ensuring that the security-related elements referred to in the previous section are in-place.

Further details can be provided on the steps required to deliver each particular product, however in general terms our CLAS consultant will seek information and guidance from

- meetings with the Force Information Security Officer (ISO)
- meetings with the Project team (including suppliers) with responsibility for delivering the CONFIDENTIAL environment and PKI solution
- design documentation produced in support of development activities
- the accreditor(s) for national systems and CESG
- the security standards and ‘good practice guides’
- t-scheme / ISO 27001 auditor
and,
- similar products delivered and ‘approved’ on behalf of other Police sector clients

Benefits to Clients

The client organisation can be assured of high quality security advice provided by security accredited consultants i.e. CLAS and CISSP, and based on the experience and knowledge accrued in earlier engagements with several UK Police Forces over a long period.

Advisec Ltd has assisted Police Forces by delivering the following products:

Police Force	Adhoc advice on IL4 and t-scheme related issues	RMADS for IL4 environment (& addendum covering PKI components)	Certificate Policy (CP) & Certificate Practice Statements	ISO27001 (SoA, ‘Plan Do Check Act’)	Protective monitoring policy & audit plan
Lancashire	√	√	√		√
Metropolitan Police Service	√	√	√	√	√
Cambridgeshire Constabulary	√	√	√		√
Hampshire Constabulary	√	√ ¹			
Surrey and Sussex Police	√	√ ²			
North Wales Police	√	√ ³			√

References are available from each of the Police Forces identified above, if required.

Contact us:

Further details, including case studies, presentations and references are available from Nigel Strutt. Please call 01869 388011 or 07780 526195. Head office; 41, Barry Avenue, Bicester, Oxfordshire. OX26 2DZ. Email: nigel.strutt@advisec.co.uk

¹ IL4 RMADS and compliance assessments w.r.t. PND and IAM CoCo

² RMADS for VISOR and Corporate (IL3) network

³ IL4 RMADS and compliance assessment w.r.t. to the IL3 and IL4 modular codes of connection from PCD, Home Office