



## WiseKey Professional Services

# PKI Consultancy Services

### Description

WiseKey has built a structured methodology to help manage, implement and deploy a successful Public Key Infrastructure (PKI).

A typical PKI project is likely to be more complex than previous experience of typical IT projects may suggest. As well as project management, technical and operational aspects, there are many policy, legal and security issues which must not be neglected.

By following a structured methodology based on practical experience, many of the potential traps and pitfalls can be avoided. The risks to the business and the project are reduced and those that remain are quantified at an early stage.

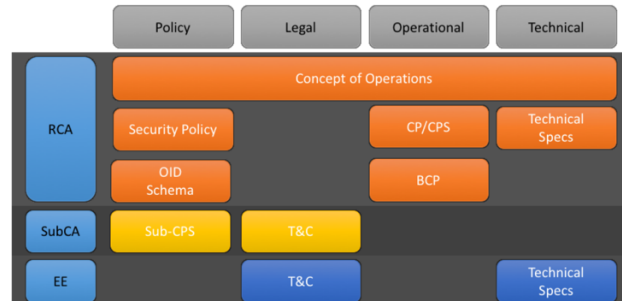
It has been our experience that the major cost of a PKI lies not in the technology but in the services needed to implement the solution. There is a need to ensure that the benefits from this investment are realized in the most efficient and cost-effective manner possible.

### WiseKey PKI Methodology

The WiseKey PKI Methodology consists of a simple to follow series of steps backed up by a comprehensive set of documentation templates and checklists.

The Key Steps of our method are:

- Requirements Analysis, as the first step in implementing a PKI-based security solution is to understand the business and technical requirements
- Architecture Definition, providing a process and set of documentation templates and checklists to define the PKI architecture and how the PKI will be operated
- Operations, defining the operating procedures and controls necessary to make sure that the PKI security system remains effective
- Security Review, as PKI, more than in any system, it is important to understand where the risks are and where the system is most vulnerable
- Integration, bringing together the PKI components so that a pilot system can be built for testing
- Deployment, involving the installation and validation of the operational PKI for acceptance testing
- Post-Deployment, providing a comprehensive checklist of the issues that need to be considered, recommended procedures and a migration plan template to ensure that migration is straightforward



### PKI Documentation Framework

The establishment of a PKI is not solely a matter of implementing software or systems. It is important that associated practices and procedures are devised and implemented. WiseKey's consultancy practice is specialized in the production of supporting documentation for PKI deployment and operation.

This is founded on experience in the four key areas of:

- **Policy:** relating to organizational policies and practices, drawn from the need to state the organizational approach in a particular subject matter, e.g. Privacy.
- **Legal:** relating to the legal aspects of operating a PKI, such as facilitating contracting, e.g. Service Agreements.
- **Operational:** relating to operational practices and procedures, drawn from understanding of the operations of a PKI
- **Technical:** concerns the use of technology, gained from experience as a leading PKI technical provider

### Why our PKI expertise is different?

WiseKey is a leading eSecurity company, with 20 years of experience in information security and trusted digital identities. Acting as both a PKI technology supplier and a Trusted Certification Authority, WiseKey has large experience deploying and operating complex PKI systems.

Key customers like Governments and big corporations appreciate our solid background and trust on WiseKey to build their own mission-critical PKI systems, with all the accompanying documentation framework to reach the highest compliance levels.

