

PNT Resilience & Assured Timing

G-Cloud 15 service definition document





PNT Resilience & Assured Timing

Daintta supports public sector organisations to design, build, assure and operate resilient Position, Navigation and Timing (PNT) capabilities using cloud-enabled architectures.

We help mitigate GNSS disruption risks through assured timing, distribution, monitoring and cyber-secure resilience solutions aligned to national infrastructure and mission-critical needs.

About the Service

This service helps organisations understand their exposure to PNT and GNSS disruption risks and take proportionate, effective action to mitigate them.

Clients gain clarity on resilience gaps, confidence in architectural options, and assurance that PNT capabilities are aligned to operational, security and national expectations. The service supports informed decision-making, reduces operational risk and strengthens confidence in mission-critical services that depend on accurate and reliable timing.

Service Features

- PNT resilience and GNSS disruption risk assessment
- Cloud-enabled assured timing architecture design
- Resilient time distribution and monitoring solutions
- Integration with other sources (e.g. atomic clocks, fibre and satellite systems)
- Secure PNT systems engineering and assurance
- System-of-systems architecture for national-scale PNT
- Cyber security integration for PNT services
- Independent assurance and readiness assessments
- Support from discovery through operational transition
- Knowledge transfer and operational handover support

Service Benefits

- Reduces operational risk from GNSS jamming and spoofing
- Improves resilience of critical national infrastructure services
- Enables secured usage of cloud services to improve PNT resilience
- Strengthens national and organisational PNT resilience
- Supports compliance with national security expectations
- Improves confidence in mission-critical services
- Avoids single-point-of-failure timing dependencies
- Enables scalable, future-proof PNT architectures
- Provides independent, vendor-agnostic assurance
- Builds sustainable in-house PNT capability

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Service Description Details



Scope of our Services

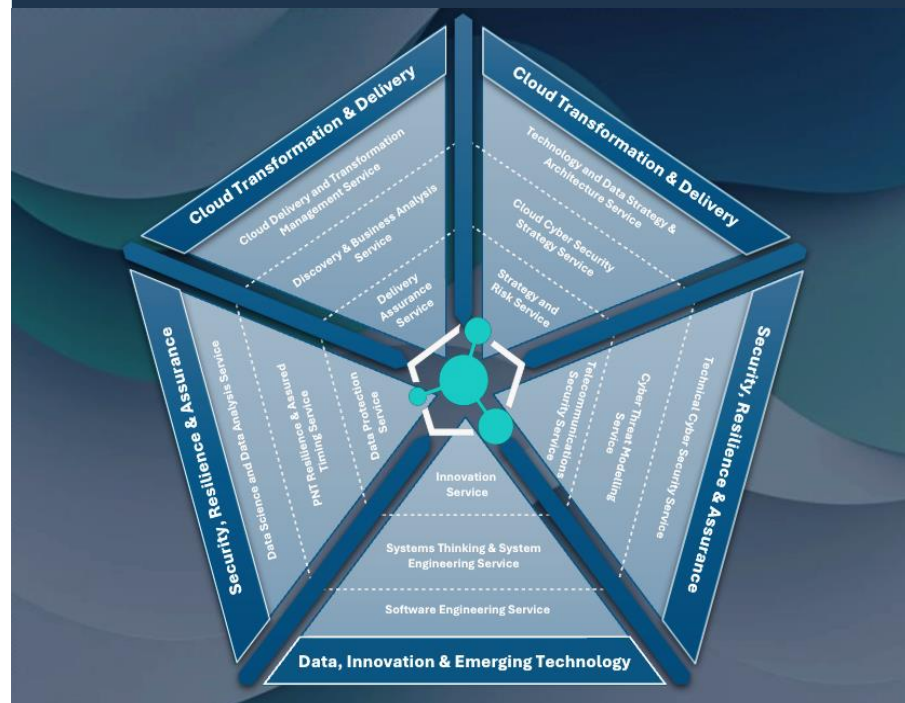
Daintta helps public sector organisations successfully deliver complex cloud-enabled programs and transformations.

We support clients to move from early discovery through to live operation, ensuring delivery activity is aligned to strategic intent, operational readiness and measurable outcomes.

Our Approach

Our approach recognises the practical realities of public sector delivery, including complex stakeholder environments, multi-supplier ecosystems, assurance obligations, and evolving policy and technology contexts.

We work alongside client teams to provide experienced, impartial delivery leadership that enables progress while managing risk in a proportionate, transparent & controlled manner.



Customer Stories



Secure AI on Private Cloud

Designed, trialed and deployed a Generative AI capability into production for a central government department within a secure private cloud environment. The solution integrated identity controls, governance and repeatable deployment patterns, enabling improved operational efficiency while maintaining security, assurance and responsible AI expectations.



Critical Resilient Infrastructure

Led the design, build and preparation for operation of a secure, resilient infrastructure spanning on-premise and cloud environments. Delivered systems engineering, secure architecture and software releases, maintaining alignment between design intent and live environments and enabling confident transition towards sustained operational use.



Digital Collaboration Platform

Enabled improved collaboration across a government department and its arm's-length bodies to develop shared data and digital products. Daintta supported delivery planning, governance and stakeholder alignment, reducing fragmentation and enabling confident, coordinated delivery across a complex multi-organisation ecosystem.