

Cloud Requirements Analysis and Management

Through our cloud requirements analysis and management service, we can provide tailored requirements solutions that set you up for long term success.



Service Definition

We work with you and your stakeholders to capture and develop capability, system and product requirements. We can provide business analysis, procurement support, deployment management and through life maintenance. Our tailored products support business cloud strategies for transition to and development of cloud hosting and applications.



Service Features

- Develop client focused systems and requirements cloud engineering approach
- Business and user centric approach to engagement
- Requirement development for cloud native solutions, either custom or package
- Independent creative and innovative application of engineering best practice
- Traceable and resilient approach to capability and system development
- Relevant, exploitable cross-sector experience
- Extensive expertise in requirements capture, development and management
- Knowledge of / application of suitable requirements toolsets e.g. DOORS
- Use of Mood to integrate requirements into system models
- Supports design and implementation of cloud



Service Benefits

- Traceable articulation of cloud based capability integrated into business design
- Improves business delivery through management of capability assumptions and risks
- Enhanced business view through integrated technology capability through life
- Reduction of capability gaps to strengthen whole system resilience
- Business needs feedback and management via trade-offs against priorities
- Maximisation of whole system performance
- Legislative and regulatory compliance
- Understand impact of requirement changes in Agile development programmes
- Validation that delivered capability meets the user need
- Verification of the delivered system's requirements and specification



Detailed Service Definition

Requirements engineering is one of the fundamental processes for supporting delivery of a successful cloud based service, system or product. Frazer-Nash works with our clients to capture, analyse, articulate and manage their business and user requirements throughout the life-cycle of the Cloud program whether a new or developing need. We can help you from selection of requirements toolset through to specific systems / scenario requirements and choice of vendor and software appropriate for your current and future circumstances.



Detailed Service Definition

We produce customer tailored Requirement Engineering and System Engineering Documentation, including:



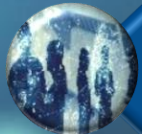
User Requirements Documents

Defines the capability/need required from the user's point of view



System Requirements Documents

Defines what the solution shall do to meet all or part of the user need detailed in the User Requirements Document



Test Plans

Defines the procedure by which the developed solution shall be validated or verified against the requirements



Requirements Traceability Matrix

Requirements Traceability Matrix – Defines the linkages between the User and System Requirements



Technical Specifications

Defines a detailed technical breakdown for the appropriate whole system of systems, system or sub-systems to be designed and developed. This support selection and implementation of custom and / or package applications/ hosting options



Verification and Validation Matrices

Defines the linkages between the validation of the user need and the verification of the developed solution



Systems Engineering Managements Plans

Defines the way in which requirements and acceptance activities and documents shall be managed



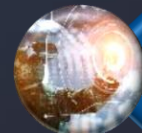
System Engineering Strategies

Defines the way in which requirements and acceptance activities and documents shall be initially developed



Integrated Test and Acceptance Management Plans

Defines the test and acceptance activities for the capability and how they shall be managed



Assumption Management Plans; and Risk management Plans

Defines the way in which assumptions and risks are to be identified, managed and mitigated

Detailed Service Definition

We use the principle of an integrated database to manage the client's requirements and supporting information, enabling the requirements to be managed and tracked effectively throughout the life of the capability/product.

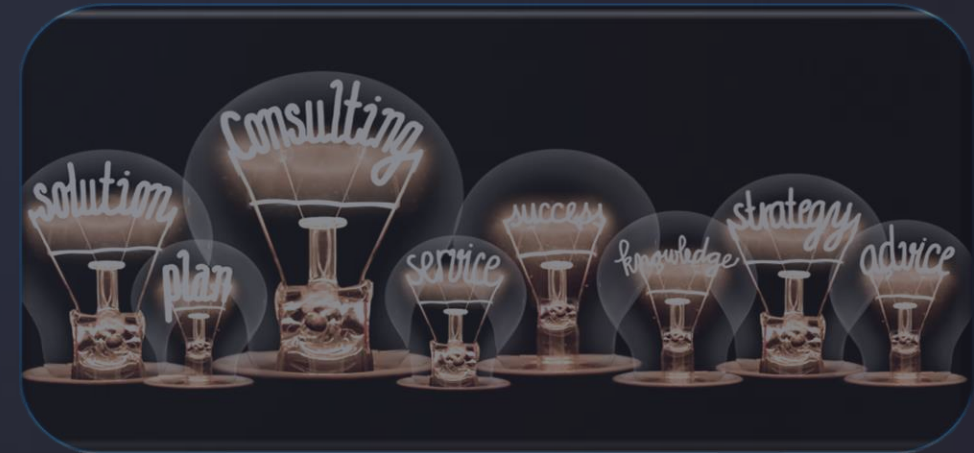
Our preferred toolset for requirements is the Industry leading and widely adopted IBM Rational DOORS requirements management tool for Requirements Management, but we are versed in many other requirements management applications. This allows us to work with you to make toolset selection, if required, based upon your specific circumstances or reuse previously selected tools to work within a wider corporate environment.

We have a wide and deep experience providing requirements support in projects of varied scale in many different sectors, including Government, Defence, Aerospace, Nuclear, Power and Transport. Importantly, for technology based solutions, such as those utilising the Cloud, agility is required in the development and continued maintenance of the requirements to reflect the rapid evolution of technology.



Why Frazer-Nash Consultancy?

We are an independent consultancy offering a broad range of cloud consultancy services. We have been at the leading edge of digital engineering and software development for over 35 years. We are 'solution agnostic' and provide truly independent advice. We are not tied to any hardware or software products; we design cloud-based solutions which are built on knowledge acquired from a broad range of applications developed across multiple platforms. We utilise this knowledge to add value to our clients through the technological advantages offered by cloud integration.



Our Commitment to Quality

From every aspect of engagement and communication we are committed to providing services and deliverables of the highest quality, to ensure we continually meet and exceed the expectations of our customers. Our processes include suitable controls to ensure progress is closely monitored and decisions are appropriately scrutinised.

In addition to a project manager, every project has a dedicated project supervisor (who impartially monitors and approves monthly progress reports) and dedicated project auditor (who ensures quality is followed). At a deliverable level, all customer outputs are verified for technical accuracy, and approved as appropriate for their purpose by two independent reviewers. Our Quality Management Systems is certified to ISO 9001 and the TickITplus scheme (for software development).



Our Security

Our processes and certification are fit to handle sensitive and classified information up to Top Secret. The majority of our staff are security cleared to at least SC and over 200 of our staff hold DV clearance. We are also experienced in handling highly sensitive commercial information, with the ability to separate teams as necessary for security and conflict of interest requirements. Our IT systems are certified to ISO 27001 and Cyber Essentials Plus.

Our Approach to Subcontracting

Our large base of full-time staff can be supplemented where required through partner companies and trusted associates providing us with flexibility and scale whilst retaining control. We are adept at quickly subcontracting a range of organisations when needed, from sole traders to large multinational companies, through the lifecycle of a project. Our processes focus on identifying, assessing and contracting an appropriate supplier; defining a scope of supply; flowing down terms and conditions where appropriate, and managing risk to ensure the purchase is delivered on-time, within budget and to the required quality. This includes undertaking a due-diligence process to commercially and technically 'approve' the suppliers we work with.



Resourcing

We employ over 1200 technical staff across all grades, from Follow to Set Strategy, with a vast range of specialities, backgrounds and experiences. To enable agile and flexible resourcing, we are grouped into a range of technical delivery areas (e.g. Information Systems, Cyber, Modelling, Software etc.), which can be applied to a range of sectors (e.g. Central and Local Government, Police, Health, Energy). This resource focus combines with our strong portfolio, programme and project management to allow us to monitor demand on a dynamic basis and respond to the changing demands of the project through its lifecycle.

Our staff work across a range of industry sectors allowing us to ‘cross-pollinate’ ideas and techniques between different domains. We build teams, led by a single responsible project manager, that are tailored to the specific challenge. We are fortunate to have a diverse range of capabilities within the same company, including information security, and human factors specialists. This allows us to efficiently and promptly deliver multi-disciplinary projects that meet your specific requirement.



Our Commercial Approach

Our commercial approach is flexible to provide best service and value to our clients.

We will discuss with you the specifics of the support and services you require and build an appropriate commercial model to deliver this scope. This could be a defined scope fixed priced service, or provision of time and materials agreed day rates suitable for a developing scope.

Where you have service requirements for an extended period, and where we have control of the resource flexibility, we are also able to offer an agreed single blended day rate for support at a range of grades.

Next Steps

To discuss your requirements in
more detail or
place an order for services
please contact us at
ccs@fnc.co.uk