Skyral

Pricing Document: Skyral Decision Support and Problem Solving as a Service for Network Operations and Performance Planning

Service Name: Skyral Decision Support and Problem Solving as a Service for Network Operations and Performance Planning
Supplier Name: Skyral Defence Ltd
Framework and Lot: G-Cloud, Lot 3

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1. Service Overview

Service name

Skyral Decision Support and Problem Solving as a Service – Network Operations and Performance Planning

Purpose

Skyral Decision Support and Problem Solving as a Service (Network Operations and Performance Planning Edition) is a focused, typically one-month engagement that shapes how modelling and simulation should be used to support network performance planning, operations and investment.

It is designed to:

- Turn broad concerns about capacity, resilience, rollout risk, congestion or SLAs into a structured, decision-ready view.
- Produce a prioritised set of network levers and use cases on which to focus limited engineering and investment resources.
- Define a clear follow-on path into Skyral Modelling and Simulation Development as a Service (Network Edition) and full network digital-twin programmes.

This edition is aimed at telecom operators, fibre and FTTx companies, mission-critical network providers, national-scale digital infrastructure programmes and government connectivity initiatives.

Typical duration and team

A standard engagement is one month of effort, delivered by:

- A network / telecoms Subject Matter Expert (SME) with experience in architecture, planning or operations.
- An Applied Scientist specialising in modelling, simulation and analytics.
- A Product Owner responsible for mapping outcomes into Skyral services, products and the customer's OSS/BSS and data landscape.

Longer or multi-phase engagements can be scoped where the network footprint or stakeholder set is particularly complex.

2. Service Outputs

At the end of the engagement, the customer receives:

- **Network decision narrative**
    - A clear articulation of the network operations and performance problem, context, constraints and objectives.
    - A visual representation of key drivers, interdependencies and levers across topology, traffic, assets, operations and programmes.
- **Prioritised network initiatives and levers**
    - A ranked list of network initiatives (e.g. architecture variants, rollout sequences, resilience measures, monitoring enhancements, capacity upgrades, policy changes) with rationale and key assumptions.
    - Identification of the top initiatives and levers best suited for simulation and digital-twin development.
- **KPI and measurement framework**
    - Defined KPIs and metrics mapped directly to prioritised levers and initiatives, aligned with operational and commercial targets.
    - Commentary on how these indicators should be tracked and used in future scenario analysis, operational reviews and investment decisions.
- **High-level causal / probabilistic network model**
    - A high-level causal and probabilistic model of the network problem, suitable as a scaffold for detailed simulation and for engaging technical and non-technical stakeholders.
- **Strategic roadmap and action plan**
    - A strategic roadmap and actionable plan that guides follow-on Skyral Modelling and Simulation Development as a Service (Network Edition), network digital-twin build-out and integration with existing tooling.

Outputs are delivered in accessible formats (e.g. slide pack, report and, where appropriate, simple interactive scenario views) that can be used directly in technical, commercial and governance forums.

3. Roles and Responsibilities

Skyral roles

Role	Description	Key responsibilities
SME	Network / telecoms expert leading the engagement	Form the core project team; define the network problem; shape initiatives and levers; lead prioritisation and KPI design; co-create work plan.

Applied Scientist	Modelling, simulation and analytics specialist	Understand network architectures and initiatives; gather and analyse data; build causal/probabilistic models; apply statistics and heuristics for prioritisation; assess modelling feasibility.
Product Owner	Owns service delivery and transition into Skyral services / products	Plan and manage the work; translate outcomes into Skyral services and products; define follow-on Modelling and Simulation Development as a Service scope.

Customer responsibilities

- Provide access to relevant network engineering, operations, architecture, planning, finance and data stakeholders.
- Share existing designs, rollout and migration plans, performance metrics, telemetry and cost data where appropriate.
- Confirm regulatory, data-governance and security constraints early.
- Participate in workshops, reviews and prioritisation sessions; agree scope boundaries, timelines and decision processes.

4. Pricing

Skyral Modelling and Simulation Development as a Service is provided as a fixed price service, deployed in 3 or 6 months of Sprints.

Price: £**60,000 (Sixty thousand pounds)**

Standard Rate Card

Standardised programme specifications can be tailored to an engagement with changes in pricing on time and materials basis. The SFIA rate card excludes rates for onsite development or DV cleared personnel. We are able to deploy the delivery team to any working location as required depending on the nature of work to be undertaken, rates for this can be detailed if requested based on the scale and duration of the services in question.

SFIA Level	Strategy & Architecture	Change & Transformation	Development & Implementation	Delivery & Operation	People & Skills	Relationships & Engagement
2. Assist	£949.09	£949.09	£949.09	£949.09	£949.09	£949.09
3. Apply	£1,120.00	£1,120.00	£1,120.00	£1,120.00	£1,120.00	£1,120.00
4. Enable	£1,565.41	£1,500.14	£1,434.87	£1,500.14	£1,304.33	£1,304.33
5. Ensure, Advise	£1,683.11	£1,612.49	£1,534.87	£1,683.11	£1,402.77	£1,402.77
6. Initiate, Influence	£1,926.00	£1,833.98	£1,833.98	£1,833.98	£1,833.98	£1,833.98

7. Set Strategy, Inspire	£2,378.61	£2,266.26	£2,266.26	£2,266.26	£2,266.26	£2,266.26
Consultant's working day: 7.5 hours exclusive of travel and lunch.						
Working week: Monday to Friday excluding national holidays.						
Office hours: 09:00 – 17:00 Monday to Friday.						
Travel/mileage subsistence: Included in day rate within M25. Payable at department's standard travel and subsistence rates outside M25.						
Professional indemnity insurance: Included in day rate.						

5. Pricing model and units (linking to framework pricing rules)

The pricing model for this service is a fixed-scope, time-boxed engagement, with options to extend into further phases through follow-on engagements (such as Skyral Synthetic Development Services).

Core structure:

- Core one-month engagement priced as a fixed-price package based on defined deliverables (decision narrative, prioritised initiatives, KPI framework, high-level model, roadmap) and agreed stakeholder footprint.
- Extensions or additional phases (e.g. extra domain deep-dives, expanded stakeholder scope, additional scenario families) priced either as additional fixed-price work packages or time-and-materials under the relevant framework rate card.
- Any subsequent Skyral Modelling and Simulation Development as a Service or digital-twin deployment would be priced separately, reflecting model build effort, platform usage and, where relevant, managed-service components.
- Exact pricing, units (e.g. person-days, work packages) and linkage to framework pricing rules are defined in the commercial schedule.

6. Key assumptions and exclusions

Key assumptions:

- The customer can provide timely access to relevant stakeholders and data to meet the one-month engagement timeframe.
- The engagement focuses on decision-support and prioritisation, not on full production implementation of network changes or detailed low-level engineering design.
- Initial models and scenarios are used to compare options and highlight risks/trade-offs rather than to produce exact, line-rate predictions for every element of the network.

Key exclusions (unless explicitly added to scope):

- Full-scale, production-grade network digital-twin build and ongoing run-time integration with live OSS/BSS and telemetry platforms (covered by subsequent Skyral Modelling and Simulation Development as a Service and platform services).
- Detailed vendor-specific configuration generation, low-level design artefacts or direct changes to production networks. Unverified.
- Formal regulatory submissions or safety cases; Skyral's outputs can inform such work but do not replace formal assurance processes.

7. Related services and optional add-ons

Related Skyral services:

- Skyral Modelling and Simulation Development as a Service (Network Edition): builds detailed network digital twins and agent-based models aligned to the prioritised levers and scenarios identified in this engagement.
- Mission Planning & Decision Support services for defence and national security, using large-scale agent-based modelling to explore courses of action, logistics and resilience across multi-domain operations.
- Health Policy & Programme Strategy simulation services, applying similar techniques to patient flows, resource allocation and intervention strategies for health systems.

Optional add-ons to this specific service:

- Additional deep-dive modules on specific domains (e.g. 5G RAN, backhaul, peering, data-centre interconnect), with enhanced modelling fidelity and scenario coverage. Purchased as additional modules of this service for discovery, Skyral Advisory services, or Modelling and Simulation Development as a Service, depending on the customer need.
- Rapid proof-of-concept digital-twin instances using existing designs and synthetic traffic to demonstrate interactive scenario analysis beyond the decision narrative through Skyral Modelling and Simulation Development as a Service and using Skyral CORE.
- Extended roadmap and business-case support, including structured inputs for investment boards or regulatory submissions.

8. Contact, account management and reporting

- E. enquiries@skyral.io
- W. www.skyral.io