Quantiphi's Response to North Central Texas Council Of Governments - RFP # 2025-023 - AI Consultancy Services

quantiphi

Solving What Matters

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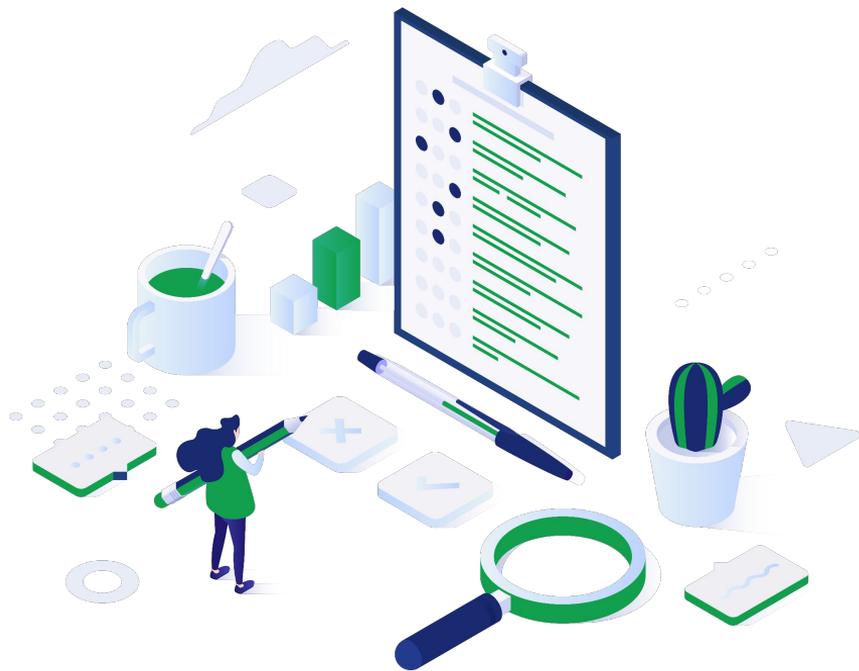
Certificate of Offeror
& Statement of Understanding

TXShare

Your Public Sector Solutions Center

N

REQUEST FOR PROPOSALS
For
Artificial Intelligence (AI) Consultancy Services
RFP # 2025-023

Sealed proposals will be accepted until 2:00 PM CT, **December 18, 2024**, and then publicly opened and read aloud thereafter.

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Legal Name of Proposing Firm

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Acknowledgment of Addenda (initial): #1_Received_ #2 _____ #3 _____ #4 _____ #5 _____

NOTE: Any confidential/proprietary information must be clearly labeled as "confidential/proprietary". All proposals are subject to the Texas Public Information Act.

COVER SHEET

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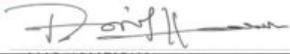
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Asif Hasan

Date: 01/13/2025

Quantiphi team is excited to respond to the The North Central Texas Council of Governments (NCTCOG) and its members of the TXShare Cooperative Purchasing Program in their pursuit of AI-driven solutions for boosting efficiencies, improving satisfaction for served populations and promoting data-driven decision making.

AI has emerged as a pivotal differentiator across organizations, creating new opportunities to increase staff productivity, improve decision making and foster accuracy and innovation. We aim to position ourselves as a trusted partner with proven experience in delivering and scaling AI/ML, Data Science & Analytics solutions for public sector entities. We have a unique value proposition that separates us from our competitors through:

- ❖ Innovative and adaptive **thought leadership** for addressing complex public sector focused challenges
- ❖ **Partnerships** with hyperscalers such as AWS, Google & Azure, supported by strategic alliances with NVIDIA, Databricks and Snowflake
- ❖ A focused **Public Sector practice** that combines domain expertise, strategic partnerships and state-of-the-art AI capabilities for innovation and empowerment of our Federal and SLG clients
- ❖ An **IP-lead delivery approach** harnessing our talent and generative AI offerings to drive efficient, reliable and effective delivery
- ❖ Transparent and **collaborative strategy** for solution development and implementation
- ❖ **Competitive pricing** models that utilizes onshore and offshore resources as per solution requirement and organizational needs

We have detailed our solutions and engagement approach in the following slides. We are confident that our approach will effectively address the challenges faced by the participating entities.The success of NCTCOG and its members is our priority and we aim to show our commitment to work with you in the coming months to make this program a success.

ABOUT QUANTIPHI

Founded in 2013, Quantiphi is an AI-first digital engineering firm headquartered in Marlborough, MA with a presence around the globe. Over the years, we have delivered 2500+ projects for 400+ clients. Leveraging data, AI and the power of cloud computing, we build solutions to address key business challenges and to deliver measurable outcomes for our customers

Quantiphi has established a strong presence in Public Sector and Education by offering diverse range of services such as cloud modernization, predictive analytics, contact center transformation, solutions for claims processing, student chatbots, analytics for public trend and many more. Quantiphi also offers strategic advisory services to help public sector organizations prioritize and transform key processes.

3500+ Certified Cloud Professionals across the organization (AWS, GCP, Azure and more)

Ready-to-use industry focused Data and AI/ML solution accelerators that ensure swift and reliable deployments and provide value from Day One

Secured cloud infrastructure with focus on data security, governance and centralized monitoring and consumption

End-to-end solution support with dedicated managed service offering 'TotalCare' to implement change requests, issue resolutions and enable enhancements.

Our AI/ML Products and Solution Accelerators

Quantiphi has developed accelerators, products and services that can be customized to suit the needs of our clients to expedite the timelines and deliver value through AI-driven transformation.

baioniq

baioniq is Quantiphi's enterprise-ready GenAI platform that empowers knowledge workers with relevant information and workflow automation leveraging various foundational models.

| Experience Personalization | Summary Preparation | Data Synthesis | Code Generation |

QDox

QDox is Quantiphi's AI-powered intelligent document processing accelerator, capable of ingesting, classifying and extracting information across thousands of templates to automate workflows

| Claims Processing | Transcript Processing | Form Extraction | Data Redaction |

QAIssist

QAIssist is an Intelligent Virtual Agent solution to provide assistance to call center agents, providing a user-friendly experience and human-like interactions for swift resolutions.

| Outside Sales Assistance | Helpdesk Transformation | Context-Based Resolution | Agent Training |

As part of a co-innovation initiative, AWS has selected Quantiphi as a founding partner for the **Generative AI Partner Innovation Alliance** to advance the utilization of GenAI for solving business critical challenges. Quantiphi and AWS have an illustrative history of collaborating to develop impactful solutions in the Public and Education Sectors.

Quantiphi leveraged QDox - our AWS-powered IDP solution for a **State Department of Health** to automate information extraction from varying formats of medical lab reports.
The solution has **reduced processing time**, handling **20,000+** reports per month, minimizing manual intervention and improving accuracy of extracted data by **85%**.

Quantiphi assessed the Business Intelligence platform of a **State Department of Health and Human Services** preparing a detailed migration plan for **500+** prioritized dashboards onto **Amazon Quicksight**
The assessment has led to optimization of dashboard usage, projecting cost savings of **87%** after migration and reducing migration timeline.

Quantiphi modernized the search capabilities of a **Research Discovery Tool** (RDT) for a prestigious US public research university. The tool was re-developed on AWS leveraging GenAI, providing scalability, improving the **User Interface** and implementing **semantic search**.
The resulting application was efficient and responsive, enhancing query accuracy and **research collaboration**.

From day one, Quantiphi's team demonstrated exceptional technical expertise and dedication to our vision, turning complex data into an intuitive, visually engaging tool … For any organization seeking a dedicated, skilled partner for transformative technology projects, we strongly recommend Quantiphi.

-    Gloria Sachdev, President & CEO, Employers' Forum of Indiana

Quantiphi conducted a comprehensive GenAI Advisory Workshop with our team where we collectively identified opportunities for growth and explored potential use cases that we can implement leveraging AWS services … I would strongly recommend Quantiphi to any organization that needs support in its digital transformation journey. We would like to thank Quantiphi for their continued support and assistance.

-    James Brookens, CEO, Peterson Cheese

For international students there are lots of 3rd party vendors who provide credential evaluations to these students. There is a 4 to 6 week turnaround, and of course, a fee … We talked to Quantiphi and selected QDox for our new system. We ultimately went from weeks evaluating credentials to less than one day. The data points are now there for the faculty and decision readers, so students are getting decisions faster.

-    Marla Kay Workman, International Enrollment Management, Illinois Tech

I have a special place in my heart for Quantiphi and their ability to take us from vision to reality.

-    Rich Gilbert, Global Business & Tech Executive, Aflac

02

Key Personnel

Client Engagement Manager	
Profile Summary	- A seasoned lead program manager with 10+ years of versatile experience in Business Consulting, Technology Delivery and driving strategic projects. - Experience of working in large enterprises as well as startups managing several clients and multiple high complexity, technically-oriented projects. - Key skills including leadership, program management, product management, customer centricity, risk taking ability and a decisive attitude.
Work Experience	- Managed and led multiple large programs for customers and an overall book of business worth $6 Million spanning multiple large global clients. - Led a project to automate the extraction of key information from lab reports for a US State Department of Health. - Engaged with CXOs to drive the technical vision and build roadmaps for clients. - Led multiple technical programs as a delivery manager in an agile software development setup.

Business Analyst	
Profile Summary	- Experienced Business Analyst with a focus on Machine Learning based projects. - Have worked on multiple computer vision and data based projects spanning industries such as education, public sector, sports & entertainment. - Responsible for managing the projects from its inception till completion. - Key skills include agile methodologies, team management, testing, and project management..
Work Experience	- Managed projects to extract key insights from school and college transcripts using intelligent document processing solution - Managed a project for development of a document processing solution for automating data extraction from citizen benefit forms for a State Labor Department - Ensured timely completion of projects with sprint planning and task execution.

Technical Architect - Machine Learning	
Profile Summary	- AWS certified Machine Learning Architect with 8 years of experience in building data-intensive and document analysis applications. - Proficient in NLP, document information retrieval and object detection with the scripting language in Python, deploying scalable solutions on AWS. - Leading and managing the Machine Learning Engineers team to build a Document processing and delivering enterprise grade solutions.
Work Experience	- Developed a classification and information retrieval solution from legal records for a State Supreme Court by leveraging object detection and Normalization algorithm - Built and deployed pipeline to extract patient information from eye prescriptions as well as integrated pipeline for model retraining - Developed a language classifier model using residual network to classify the English and French language with 97% Accuracy

Machine Learning Engineer	
Profile Summary	- A Senior Machine Learning Engineer with demonstrated history of utilizing Statistics, Machine Learning and Deep Learning in a variety of business domains - Hands on experience in Natural Language Processing and Computer Vision use cases using various Deep Learning techniques including Large Language Models (LLMs) - Experienced in Time Series Analysis and building recommendation engines
Work Experience	- Hands on experience with low level Tensorflow, Keras and Python for model development - Built several chatbots using different frameworks such as RASA and AWS Lex - Migrated a research discovery tool to AWS and enhanced capabilities with Generative AI by leveraging Amazon Titan and Claude 3 Haiku models to improve intent understanding and search accuracy - Built statistical and deep learning models in the domain of NLP for text classification, sentiment analysis, entity detection, transcription and text summarization

03

References

Public Sector Case Study: Automating Claims Processing for Kentucky Department of Labor

Quantiphi collaborated with the Kentucky Department of Labor for developing an insurance and unemployment claims processing solution that saves time and manual efforts through automation of document processing while providing meaningful insights through interactive dashboarding.

CONTACT
- Kenneth Jones
- ✉ kenneth.jones@ky.gov

The Opportunity

- Client **manually** processes **hundreds of thousands of documents** related to unemployment and insurance claims annually, increasing workload and data entry hours
- Client is unable to draw **useful insights** from claims documents due to a lack of visibility into the data present in the processed document
- Client was looking for a solution that could **automate** the processing of unemployment and insurance claims documents while providing options for generating insights

The Solution

- Quantiphi leveraged **QDox** - Quantiphi's intelligent document processing solution - to automate **classification and data extraction** from the documents
- The solution is capable of processing **25 different types** for insurance claim forms
- Our solution provides a custom UI for human-in-the-loop review for processed forms
- Developed an **interactive dashboard** for generating meaningful **business insights into type of claims, total claim payout etc**

The Impact

Actionable insights for data-driven decision making

10,000+
Labor claim related documents processed monthly

1,600+
Data entry hours saved monthly

Quantiphi collaborated with **Illinois Institute of Technology** for setting up a modernized **multi-account AWS cloud environment with the necessary security and governance guardrails** and implementing an intelligent document processing solution for automating the credit review process for **international transfer students**.

CONTACT

👤 Malik Sundharam

✉ msundharam@iit.edu

The Opportunity

- Client wanted to modernize its legacy systems for **streamlining data** and assisting critical administrative processes like analyzing **enrollment trends** and updating **student records**
- Client also wished to implement a cost-effective solution that would be able to provide course-by course transfer credit evaluation for the international students as well as perform credit articulation
- Prospective international students had to spend **>$200** on a course-by-course evaluation of their academic record from external vendors, making this a **costly and time-intensive** process

The Solution

- Collaborated with the Client to deploy and AWS Landing Zone to help the Client's teams access the cloud environment with the necessary security and governance guardrails implemented
- Also deployed QDox, Quantiphi's AI-driven document processing solution to automate the classification and extraction of student information from academic transcripts, translate other international multilingual transcripts to English and provide US Grade equivalency for international transcripts
- The solution provides a User Interface to visualize extracted information alongside the calculated course equivalencies for human review and shares student details to the university CRM.

The Impact

aws
Drove AWS adoption for IT and research

Centralized control over policies and accounts

Seamless access and efficient data utilization

Smoother, centralized experience and process

Greater visibility into student information

Public Sector Case Study: Digitizing Civil Case Sheet Processing for Louisiana Supreme Court

Quantiphi developed a document processing solution for the Louisiana Supreme Court for automating the extraction of information from civil case sheets to reduce manual efforts and improve operations.

CONTACT

Jennifer Eagan

jeagan@lasc.org

The Opportunity

- The Client receives Civil case cover sheets, Petitions, and Judgments for all tort suits filed in the District Courts of the state
- The Court's Administrator's Office manually gathers and analyzes information from these documents, producing reports for the state legislature
- This manual process is labor-intensive and time-consuming. Moreover, the client currently maintains a huge backlog of physical documents, spanning over a decade of archived forms

The Solution

- Implemented QDox - Quantiphi's intelligent document processing solution that provides automated **extraction of information from ~500,000 historical documents** of 3 types - Civil case cover sheets, Petition and Judgment documents
- The solution also enables **human review** on the data fields extracted prior to storing results in the SQL Server, **ensuring 100% accuracy results**
- The solution resulted in **reduction of human error** from manual data entry and **expedited information transparency** for citizens by making available petitions and correspondent judgments

The Impact

Reduced manual efforts

90%
Faster searching for case-based information

>45,000
Hours of data entry saved for case data digitization

Consulting Workshops for GenAI Adoption

👤 James Brookens   ✉ James@petersoncheese.com

THE OPPORTUNITY

- **Peterson Cheese** is a family owned and operated specialty food importer, distributor, and converter based in Washington and New Jersey.
- Client wanted to analyze current technology landscape to leverage GenAI for different business requirements.

THE SOLUTION

- Quantiphi team collaborated with client leadership to review existing technologies and AI capabilities across organization. Team conducted GenAI readiness assessment, conducted workshops to identify and prioritize use cases, and performed feasibility analysis for development of specific use cases.

THE IMPACT

- The workshops provided the client with an actionable solution architecture for implementing a GenAI sales assistance use case to help sales team with relevant information on inventory and products to increase operational efficiency.

GenAI Assistant for Life Sciences Sales Reps

👤 Kumar Erramilli   ✉ kumar@actoapp.com

THE OPPORTUNITY

- **ACTO** provides an AI-powered SaaS platform to provide learning and education management to life sciences sales representatives.
- The client had developed a chatbot to enable sales reps to address physician queries but the chatbot faced issues with outdated information, content reliability and accuracy issues

THE SOLUTION

- To address the above issues, the client has transitioned to Quantiphi's Generative AI platform, **baioniq**. The solutions is integrated with the client's existing SaaS solution and enables sales reps to address physician queries on medication dosage, side effects etc

THE IMPACT

- The solution provides response to **queries within 5 seconds**, and is currently used by **45K+ customer sales reps**
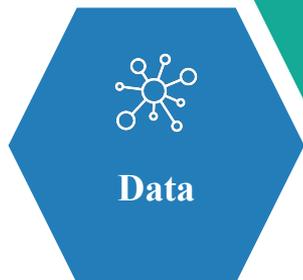
04

**Project-Related Experiences
And Qualifications**

4.1

Offerings in Data, AI & ML

Data & Analytics Practice Overview

Key Workstreams

Key Value Streams

- On Prem / Cloud to Cloud Migration
- Data Cleansing
- Data Consolidation and Integration

- Application Refactoring
- On Prem to Cloud migration
- Tech stack updation

Data

App

BI

Infra

- Server Modernization
- Storage Modernization
- Platform Modernization
- Network Modernization

- Legacy BI tool Migration
- Data Quality Validation
- BI tool upgradation

Migration

Cloud transition of existing on premises workloads with necessary refactoring

Modernization

Unlocking full potential of cloud by adopting cloud native infrastructure

600 + dedicated engineering resources with relevant Cloud Tech Certifications

Expertise in implementing Projects across **multiple industry clients**

100+ migration & modernization engagements

Developed **accelerators / reusable templates** to reduce project timelines

Conversational AI

- **Virtual Agents for Process Automation**
- **Intelligent Contact Centre**
- **Agent Monitoring and Behavior Analysis**
- **Customer Sentiment Analysis**

Forecasting and Recommendation Engine

- **Recommendation Engines for Cross Selling/Up Selling**
- **Sales Forecasting Engine**
- **Customer Churn Prediction**
- **Scenario Forecasting**

Computer Vision

- **Remote Video Inspection**
- **Damage Estimation**
- **KYC and Identity Resolution**
- **Sentiment Analytics**

Document Processing

- **Process Automation**
- **Auditing and Compliance**
- **Enterprise Search Engine**
- **Invoice Processing**

ML Ops

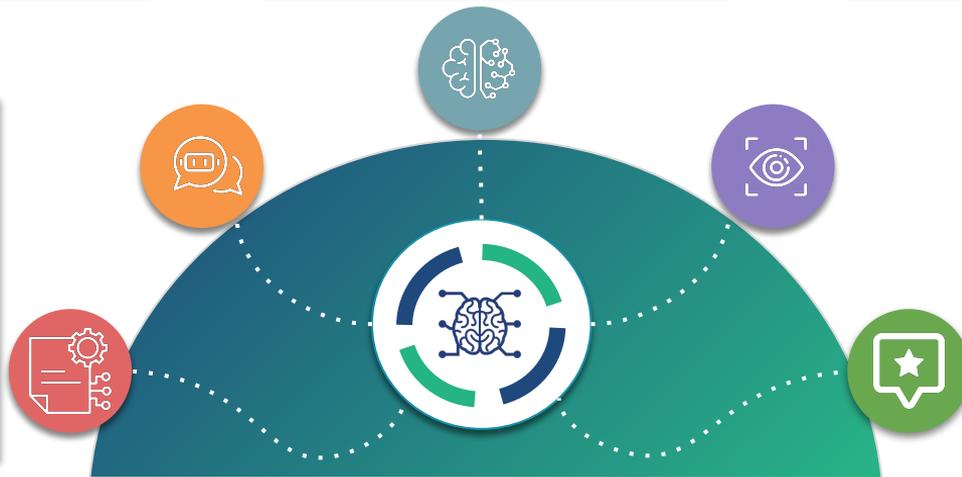- **Large Scale Model Training & Inference Frameworks**
- **Model Lifecycle Management**
- **Data Science Platforms**
- **CI/CD Pipeline Automation**

Gen AI Enablement (Workshops)

Executive Briefing Workshop

Use Case Discovery & Prototyping

Hands on Enablement (Hackathon)

Path to Production - Advisory Workshop

Gen AI Build (Platform or Applications)

Enhanced Knowledge Search
Fully integrated Gen AI powered search optimization for enhanced information retrieval from existing database systems

Intelligent Q/A assistants
Leverage Gen AI to understand natural language queries & produce relevant, human-like responses, enhancing user experience

Content Generation
Drafting sales & marketing content for enterprises
Creating domain specific reports

Code Generation
Augmented code generation for accelerating software development activities

Gen AI CoE

Institutionalize Generative AI capabilities within the enterprise

Accelerate Product Development and drive business outcomes using Generative AI models

Faster enterprise adoption of Gen AI through OCM and solution deployment strategies

baioniq

baioniq : Enterprise ready Gen AI platform for accelerated Gen AI deployments

Easy to Adopt

Optimised Productivity

Key Differentiators

Early access to hyper scaler Gen AI products

Vertically Integrated Tech Stack to enable self-sufficient, efficient innovation

Dive Deep

Education & Bi-Directional Information Sharing

- Education & Industry Outlook
- Business Discussion & Bi-Directional Information Sharing
- Aligning Client's Generative AI initiatives with the client's overarching strategic goals

1 DAY*

Use Case Generation

Identification & Prioritization

- Generative AI Readiness assessment:
  - Data preparedness and Technology Landscape evaluation
- Art of the Possible - Ideation around potential Gen AI Use cases
- Use Case(s) Feasibility Analysis and Business Alignment
- Facilitated Prioritization Exercise

2 DAYS*

4 DAYS*
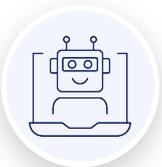
Crafting a Solution Blueprint

Ideation for creation the implementation plan for select use case(s)

- Determining Key Technical milestones to be achieved during implementation
- High Level Architectural Recommendations & Delivery Considerations
- Alignment upon Implementation Best Practices adoption

Note -The scheduling of the proposed Advisory workshops is contingent upon the availability of SME(s) from both Quantiphi and the Client side, and may contain a potential hiatus in between workshop days to accommodate their availability

4.2

Quantiphi's Approach to Ethical & Responsible AI

Compliant Cloud Infrastructure
Quantiphi utilizes Cloud services from distinguished industry leaders for developing solutions in the client's environment, ensuring compliance with 143 security standards and certifications. We can provide centralized and configurable controls for data, account and access governance to ensure the necessary security guardrails without compromising on transparency and flexibility.

Robust Security and Governance Framework
Quantiphi utilizes a robust governance framework that encompasses understanding of security concerns and hurdles, as well as comprehensive curation and protection of data and AI/ML models by implementing security guardrails and governance controls. Quantiphi has been recognized by AWS as a partner for its Data & AI Governance and Security initiative

Human-Centric Implementation
We collaborate with our clients to implement methods for human-in-the-loop reviews and decision making mechanisms for ensuring transparency and visibility into the solution, as well as designing human-centric solutions that can be tuned as per the requirements of our clients and their stakeholders.

Responsible Solution Training
Our solutions utilize diverse data sets that maintain a wide diversity, including people from all backgrounds, age-groups and ethnicities, thereby ensuring that our solutions are developed and trained to be fair, impartial and free of discrimination.

For more information on our commitment to responsible implementation of AI, please take a look through our Trustworthy AI Whitepaper.

*The **Responsible AI (RAI) Impact Assessment Framework** is a six-step collaborative, systematic approach to evaluate AI implementations in order to proactively identify and address their potential negative impacts.*

OBJECTIVES

Risk assessment and prioritization

Addressing high-risk use cases

Record management for risk assessment and mitigation

1 Identifying the AI System and its intended use

Gain a deep understanding of the AI system, including its technology, functionalities, and objectives

2 Determine potential impact areas

Evaluate the AI system's potential effects on various societal facets encompassing ethics

3 Assess potential risks

Evaluate potential risks arising from implementation of AI system

RAI Impact Assessment

Create mitigation strategies **4**

Formulate mitigation strategies to design the AI system to minimize risks and maximize benefits

Implement mitigation framework **5**

Implement enhancements and rigorously test the system to ensure effective compliance

Monitoring and feedback **6**

Vigilantly monitor AI system in initial deployment and refine strategies based on feedback

05

Technical Proposal

5.1

AI Strategy
Development

Proposed Five-Year Development Strategy

Year 1	Year 2	Year 3	Year 4	Year 5

Operate & Optimize

🚩 *Onboarding & pilot implementation*

🚩 *Seamless Transition to Managed Operations*

TotalCare

🔄 **Agile development:** Incremental and iterative

Onboard
→ Conduct workshops to gather business and technical requirements
→ Define success criteria and key outcomes
→ Conduct assessments on existing tech stack review
→ Identify and prioritize use cases
→ Implement prioritized pilots

Refine
→ Evaluate pilot results as per KPIs
→ Productionalize pilot use cases
→ Review and refine implemented models based on feedback
→ Work with the customer to enhance solution adoption
→ Implement additional mission critical AI use cases

Managed Operations
→ "Stabilize" & "Operate Better" approach to handle day-to-day operations
→ "Optimize" architecture, cloud platform and standard operating procedures (e.g. performance, cost, processes, tools)

Continuously **measure solution impact using KPIs** & optimize based on results.

Providing **training** & offering **ongoing support** for long-term success

Ensuring **Governance & Compliance** by performing regular audits

Reimagine with AI

Current State
→ Key stakeholder analysis
→ Executive workshops on digital strategy
→ In-flight "Projects/Pilots" understanding

Hack-it & Prove-it 🔄
→ Brainstorming & design workshops
→ Feasibility Analysis
→ Use case identification/ prioritization

Nail-it 🔄
→ Develop & deploy POCs
→ Evaluate POCs/Pilot's Success

Scale-it 🔄
→ Productionalize and scale
→ Transition to Managed Operations

People

Organization Change Management
→ Program governance   → Coaching & Training Workshops   → Monitor & Measure efficiency & business value   → Communication

5.2

Approach to AI Strategy Development and Use Case Identification

Our 4-A Approach to AI Strategy Development

Assess	Assimilate	Align	Act

Engagement Planning Business and Technology Vision and Strategy

Current Business, Data analysis, Technology, and capability landscape

Alignment on Gaps and Opportunities

Transformation Roadmap

- Project Kickoff
- Business, Data Vision and Analytics
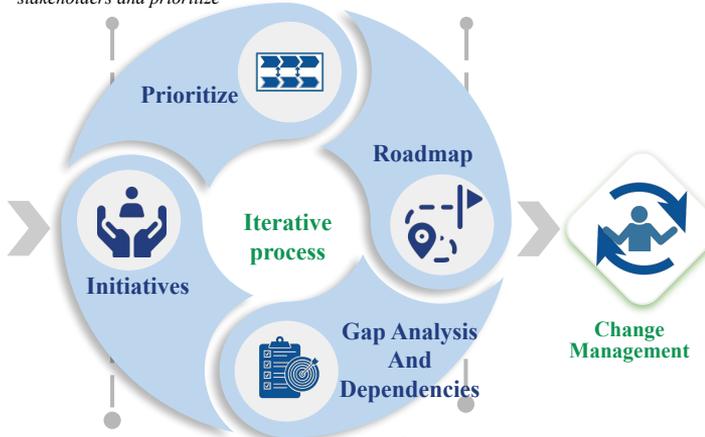- As-Is IT Architecture
- Gap Analysis & Heat Map
- Data Analysis
- To-Be Architecture
- Opportunities & Initiatives

ASSESS WORKSHOP

ALIGN WORKSHOP

Collaborate with key stakeholders and prioritize

Strategy & Roadmap

Prioritize

Roadmap

Iterative process

Initiatives

Gap Analysis And Dependencies

Change Management

Identify organizational fit and customize the strategy with stakeholder buy-ins

Perform Fit-Gap Analysis, Cause of limitations etc

Business and, technology roadmap

PRIORITIZATION & ROADMAP WORKSHOP

- *Robust 'Vision' is in place that 'defines' what will be like once the strategy has been implemented.*

- *Enterprise view of the people impacted by all projects.*
- *Services need to be presented to end-users in an organized, easy-to-access interface with proper documentation .*
- *Target Architecture depicts key solution components.*

- *Plan projects and initiatives that require changing the current business processes, job roles, and organizational structures*
- *Network map of individuals facilitating and affected by the change*
- *Timeline and processes defining change at a strategic level and end state*

Quantiphi conducts assessments to understand Client's existing ecosystem and to develop appropriate roadmaps and success metrics. At the end of the assessment, the following outcomes are provided:

Current State Assessment Report

- A documented valuation of existing environment including business and IT challenges and Opportunities

Use Case Requirements

- Business use case requirements that describe the gaps and heat based on Business and Technology Vision
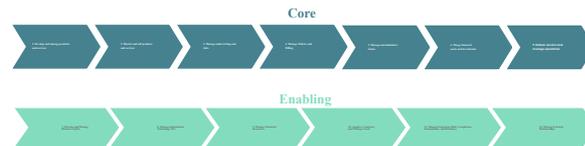
Initiative Prioritization

- An inventory and prioritization of different options for the desired state

Implementation Roadmap

- Roadmap for implementation of prioritized use cases
- Identify People, Process and Technology initiatives

5.3

Our Implementation Approach

Engagement Roadmap for Implementing ML/AI Use Cases

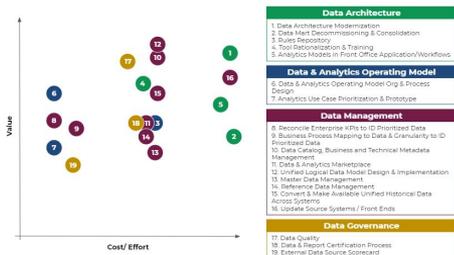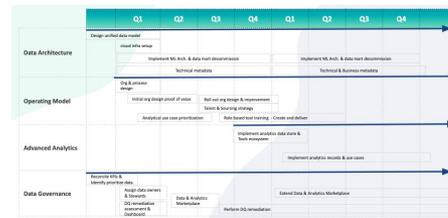**Discovery & Design and POC Model Development** | **POC Production Deployment and Scaling**

Current State Assessment	POC Model Development & Validation	Testing, Integration and Production Deployment of Developed POC Model	Scaling the Solution	Post Production Deployment - TotalCare

Current State Assessment

- **In-depth understanding** of current state
- Assessing existing data infrastructure and reading to **finalize development approach**
- Defining **Engagement roadmap** with outcomes

POC Model Development & Validation

- **Map Q assets and** accelerators to accelerate development
- **Fine Tuning ML model** using relevant data
- Iteratively refine models **different ML techniques and evaluate** them on test dataset
- Comparatively analyse the **model accuracy** to select the best model for use case

Testing, Integration and Production Deployment of Developed POC Model

- **Deploying** the model developed in Engagement 1 into pre-prod/prod environments
- Building **fully automated pipelines** for model inference and inference along with **model monitoring** features
- **Shadow run** for the training pipeline and and **load testing** for the deployed model

Scaling the Solution

- Defining **roadmap** to scale the solution for larger set of markets
- Iteratively make solution changes based on initial feedback from users

Post Production Deployment - TotalCare

- **Monitoring and maintaining** deployed solution
- Providing support for **technical issues** and queries
- Updating operational documentation with **Root Cause Analysis and resolution of issues**

ML Solutions Lab - Iterative development for use cases

Shortlisted ML Use Cases (Illustrative)

- Revenue Analytics & Forecasting
- Policy & Action Advisory
- Form Submission Automation
- Chatbots & Virtual Assistants

Use Case Prioritization
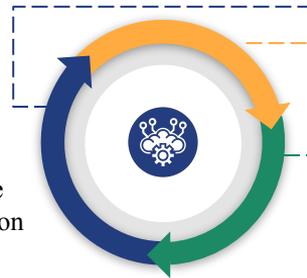
Solution Ideation - Understanding potential data sources, business case, and business impact. Creation of high level solution framework and workflow

Technical and Data Discovery- Analysing the use case, potential data sources and laying down approach for solution development

Proof of Value (PoV) & Minimum Viable Model (MVM) Development - Development of PoV for selected use cases - this can be scaled to a MVM to accelerate production deployment

5.4

Data Governance Framework

Data Governance Approach

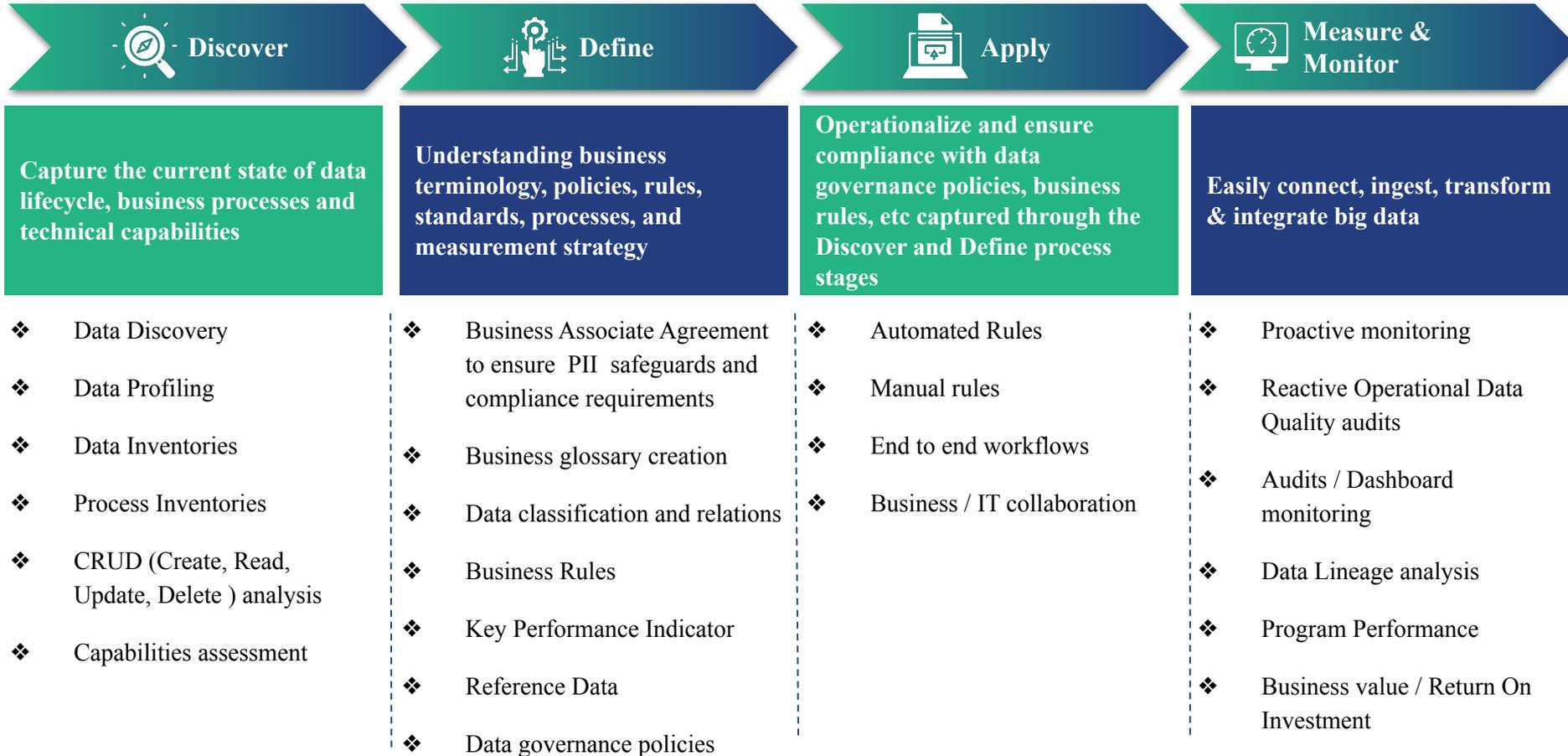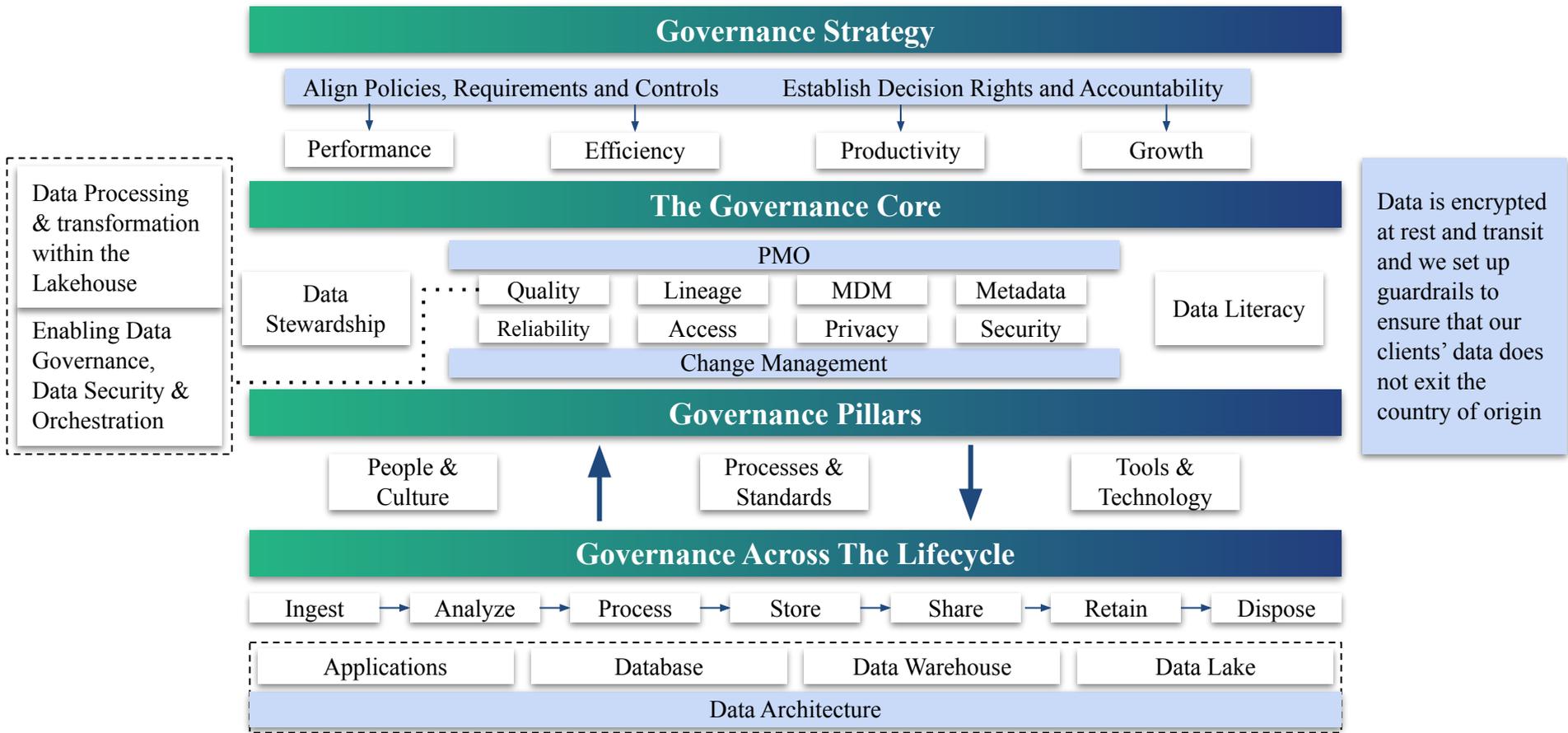| Discover	Define	Apply	Measure & Monitor
Capture the current state of data lifecycle, business processes and technical capabilities	Understanding business terminology, policies, rules, standards, processes, and measurement strategy	Operationalize and ensure compliance with data governance policies, business rules, etc captured through the Discover and Define process stages	Easily connect, ingest, transform & integrate big data

Discover
- ❖ Data Discovery
- ❖ Data Profiling
- ❖ Data Inventories
- ❖ Process Inventories
- ❖ CRUD (Create, Read, Update, Delete) analysis
- ❖ Capabilities assessment

Define
- ❖ Business Associate Agreement to ensure PII safeguards and compliance requirements
- ❖ Business glossary creation
- ❖ Data classification and relations
- ❖ Business Rules
- ❖ Key Performance Indicator
- ❖ Reference Data
- ❖ Data governance policies

Apply
- ❖ Automated Rules
- ❖ Manual rules
- ❖ End to end workflows
- ❖ Business / IT collaboration

Measure & Monitor
- ❖ Proactive monitoring
- ❖ Reactive Operational Data Quality audits
- ❖ Audits / Dashboard monitoring
- ❖ Data Lineage analysis
- ❖ Program Performance
- ❖ Business value / Return On Investment

Governance Strategy

Align Policies, Requirements and Controls | Establish Decision Rights and Accountability

| Performance | Efficiency | Productivity | Growth |

Data Processing & transformation within the Lakehouse

Enabling Data Governance, Data Security & Orchestration

The Governance Core

PMO

Data Stewardship

| Quality | Lineage | MDM | Metadata |
| Reliability | Access | Privacy | Security |

Data Literacy

Change Management

Data is encrypted at rest and transit and we set up guardrails to ensure that our clients' data does not exit the country of origin

Governance Pillars

| People & Culture | Processes & Standards | Tools & Technology |

Governance Across The Lifecycle

Ingest → Analyze → Process → Store → Share → Retain → Dispose

| Applications | Database | Data Warehouse | Data Lake |

Data Architecture

5.5

Ensuring Compliance for Solution Implementations

Compliance Research and Documentation

We document security and compliance requirements and frameworks necessary for the client and/or the solution through requirement gathering, and leverage cloud security services to ensure adherence with the discovered requirements

External Compliance

Our solutions leverage cloud services provided by industry leading hyperscalers, which have in-built security features as well as extensive cloud governance and control to ensure compliance with required cybersecurity frameworks. Our cloud partners support numerous security standards and compliance certifications, including ISO 27001, 27017, 27018; NIST 800-171; GDPR; HIPAA; FedRAMP and FERPA.

Internal Compliance

Our solution will include technical administrative and policy controls that ensure safe and ethical AI use. We will achieve this by implementing best practices for data security, AI governance framework, and continuous monitoring, ensuring that the system aligns with ethical standards as well as organizational policies. Key components of our internal compliance methodology include:

Granular Data & Policy Governance
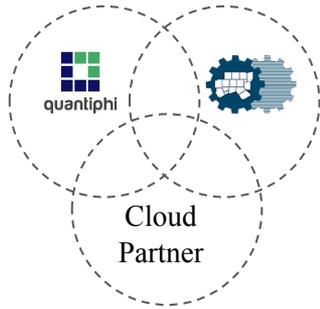
Role-Based Access Control

Routine Auditing

Staff Training

5.6

Project Management, Reporting and Knowledge Transfer

Collaborative Development Through One-Team Model

Quantiphi will follow Agile development methodologies for delivering projects for TXShare members. Weekly project update meetings will ensure that all stakeholders involved in this project are aware of progress and any challenges are highlighted immediately. We refer to this collaborative model as Quantiphi's **One Team Model.**

Cloud Partner

Strategic Alignment

Jointly evaluate priorities and develop a comprehensive engagement roadmap

Executive Workshop

Design Thinking

Use case Prioritization

Enterprise wide AI-first Digital Transformation
20+
Digital Transformations across Industries

Technical Enablement

Collaborative engineering & technical enablement to streamline processes to accelerate innovation and deliver effective AI and data solutions.

Cloud Partnerships

aws · Google Cloud · Azure

R&D Readouts

Hands-on Prototype Designing

Technical Workshops
- Architecture Development
- Modular AI Design
- Scalable Model Hosting

AI Collaboration
- ML Development
- Platform Enhancements
- Application & Analytics Integration

- Conducted 20+ technical workshops
- End-to-end production deployment of 200+ ML models

Our Project Governance Model

Quantiphi is committed to ensuring a successful partnership with NCTCOGs' members through a structured governance model. We will provide a dedicated point of contact at each level - strategic, tactical, and operational - to ensure smooth communication, decision-making, and effective collaboration. This approach will foster a strong and aligned partnership, enabling us to meet members objectives and drive continuous success

North Central Texas Council of Governments

quantiphi

Strategic

Executive Sponsors

IT and Business Leads

Project Leadership

Leadership Meet (Monthly)

- Review of relationship KPIs
- Strategic roadmap for collaboration
- Identify opportunities for organization-wide scale up

Account Executive

Strategy & Program Lead

Delivery Lead

Tactical

Project Leadership

Project Team Members

Tactical Meet (Every two weeks)

- Program Health, Prioritization
- Review of key metrics, Risk Mitigation
- Value Additions and Improvements

Delivery Lead

Client Engagement Manager

Tech Lead

Project Team

Operational

Project Team Members

Operations Team Meet (At least Once a week)

- Project Status Reports, Change Requests
- Review of Delivery Metrics, KPIs
- Project Risks and Mitigation

Client Engagement Manager

Tech Lead

Project Team

Communication

Quantiphi performs rigorous testing of its solutions before handover to ensure and demonstrate their quality, reliability, stability and security. Our rigorous testing procedures ensure transparency and customer satisfaction. Once the solution is suitably tested and approved, it is deployed into the client's environment, with automated CI/CD pipelines as per the requirements.

SOLUTION TESTING

Unit testing for individual solution components

Load Testing for testing solution strength & capacity

User Acceptance Testing performed in conjunction with client for approval

Deployment of the solution into the client's production environment

Quantiphi's training philosophy ensures that stakeholders are trained in the most effective manner, enabling a smooth transition and having a minimal learning curve to deliver path-breaking performance. Knowledge transfer/Training practices encompass creating and distributing knowledge for reuse and learning across the organization. We employ the following strategies for efficient knowledge transfer:

KNOWLEDGE TRANSFER

Job Shadowing Program - Quantiphi SMEs provide walkthrough of tasks to client stakeholders

Technical Documentation - Solution architecture and user manual for solution details and transparency

Job Aids - Documentation for assisting executives in real time, including code snippets and to-do lists

Webinars - Recorded sessions for critical processes to reduce distortion & promote quick adoption

TotalCare - Our Managed Services Offering

Quantiphi provides **post-deployment support** through our TotalCare managed services offering. Customers can utilize TotalCare for managing the solution, resolving errors and implementing bug fixes. Key offerings include:

Infrastructure

1) Billing & Instance Management:
Manage Billing & Accounts. Optimize with best practices

2) Event support:
Deployment / Product Launch support. Scalability guidance for peak traffic times, etc.

Apps

1) Self Service & Automation:
Common issues reporting & monitoring automations. Self service workflows deployments

2) Software / Apps Support:
Guidance & troubleshooting for AWS platform deployed apps & interoperability

TotalCare

DL/DW/ML

1) Pipelines & Data:
Provide resiliency, optimize security, robust deployments, Site Reliability Engineering

2) Care & Feeding:
Guidance on Platform health, cost efficiency, scalability

Team

1) Staff Aug Teams:
Certified Cloud Support Engineers, Solutions Architects available to provide guidance and help as needed

2) Dedicated TPM:
Assist with case management, present insights, and proactively keep AWS environment healthy

Hypercare

Premium Technical Support:
24*7 service desk
Defined SLA resolutions

06

Proposal Pricing

Quantiphi offers a pricing model that is both efficient and cost-effective for clients, incorporating the use of offshore resources or a hybrid approach with onshore resources to meet specific client needs and project requirements. As an premier partner for leading cloud providers, Quantiphi can also avail funding provided by our Cloud Partners for eligible customers and projects to ease the financial burden of implementation.

Please note: In addition to the resources provided in the pricing table, Quantiphi may charge for additional effort-dependent components, including but not limited to platform setup costs, licensing fee (for Quantiphi IP, if used) Right To Use fees, TotalCare costs (if applicable).

Proposed Pricing - RFP No. 2025-023			
Respondent Name:	**Quantiphi, Inc.**		
Artificial Intelligence (AI) Consultancy Services			
Item	**Description**	**Price (Onshore - US) In Dollars per Hour**	**Price (Offshore) In Dollars per Hour**
1	Solution Architect/ Engineer - Software Development/Machine Learning/Data Engineering/Platform Engineering Skills	$280-$180	$90-$50
2	UI/UX Leads & Designers	N/A	$60-$30
3	Technical Lead/Analyst - Quality Assurance	$130-$110	$50-$30

Item	Description	Price (Onshore - US) In Dollars ($) per Hour	Price (Offshore) In Dollars ($) per Hour
4	Conversational Designer	$160-$140	$60-$40
5	Client Engagement Manager / Business Analyst	$180-$140	$90-$50

07

Required Attachments

ATTACHMENT I: INSTRUCTIONS
FOR PROPOSALS COMPLIANCE AND SUBMITTAL

Compliance with the Solicitation

Submissions must be in strict compliance with this solicitation. Failure to comply with all provisions of the solicitation may result in disqualification.

Compliance with the NCTCOG Standard Terms and Conditions

By signing its submission, Offeror acknowledges that it has read, understands and agrees to comply with the NCTCOG standard terms and conditions.

Acknowledgment of Insurance Requirements

By signing its submission, Offeror acknowledges that it has read and understands the insurance requirements for the submission. Offeror also understands that the evidence of required insurance must be submitted within ten (10) working days following notification of its offer being accepted; otherwise, NCTCOG may rescind its acceptance of the Offeror's proposals. The insurance requirements are outlined in Section 2.2 - General Terms and Conditions.

Name of Organization/Contractor(s):
Quantiphi, Inc.

Signature of Authorized Representative:

DocuSigned by:
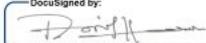
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Asif Hasan, Co-Founder

Date:
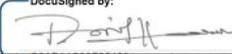01/13/2025

ATTACHMENT II: CERTIFICATIONS OF OFFEROR

I hereby certify that the information contained in this proposal and any attachments is true and correct and may be viewed as an accurate representation of proposed services to be provided by this organization. I certify that no employee, board member, or agent of the North Central Texas Council of Governments has assisted in the preparation of this proposal. I acknowledge
that I have read and understand the requirements and provisions of the solicitation and that the organization will comply with the regulations and other applicable local, state, and federal regulations and directives in the implementation of this contract.

I also certify that I have read and understood all sections of this solicitation and will comply with all the terms and conditions as stated; and furthermore that I, Asif Hasan certify that I am the Co-Founder (title) of the corporation, partnership, or sole proprietorship, or other eligible entity named as offeror and respondent herein and that I am legally authorized to sign this offer and to submit it to the North Central Texas Council of Governments, on behalf of said offeror by authority of its governing body.

Name of Organization/Contractor(s):
Quantiphi, Inc.

Signature of Authorized Representative:

DocuSigned by:

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Asif Hasan, Co-Founder

Date:

01/13/2025

ATTACHMENT III: CERTIFICATION
REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned certifies, to the best of his or her knowledge and belief, that both it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;

2. Have not within a three-year period preceding this contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction, violation of federal or State antitrust statues or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false Proposals, or receiving stolen property;

3. Are not presently indicated for or otherwise criminally or civilly charged by a government entity with commission of any of the offense enumerated in Paragraph (2) of this certification; and,

4. Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.
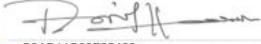
Where the prospective recipient of federal assistance funds is unable to certify to any of the qualifications in this certification, such prospective recipient shall attach an explanation to this certification form.

Name of Organization/Contractor(s):
Quantiphi, Inc.

Signature of Authorized Representative:

DocuSigned by:

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Asif Hasan, Co-Founder

Date:

01/13/2025

ATTACHMENT IV: RESTRICTIONS ON LOBBYING

Section 319 of Public Law 101-121 prohibits recipients of federal contracts, grants, and loans exceeding $100,000 at any tier under a federal contract from using appropriated funds for lobbying the Executive or Legislative Branches of the federal government in connection with a specific contract, grant, or loan. Section 319 also requires each person who requests or receives a federal contract or grant in excess of $100,000 to disclose lobbying.

No appropriated funds may be expended by the recipient of a federal contract, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any federal executive department or agency as well as any independent regulatory commission or government corporation, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered federal actions: the awarding of any federal contract, the making of any federal grant, the making of any federal loan the entering into of any cooperative agreement and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

As a recipient of a federal grant exceeding $100,000, NCTCOG requires its subcontractors of that grant to file a certification, set forth in Appendix B.1, that neither the agency nor its employees have made, or will make, any payment prohibited by the preceding paragraph.

Subcontractors are also required to file with NCTCOG a disclosure form, set forth in Appendix B.2, if the subcontractor or its employees have made or have agreed to make any payment using nonappropriated funds (to include profits from any federal action), which would be prohibited if paid for with appropriated funds.

LOBBYING CERTIFICATION
**FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS**

The undersigned certifies, to the best of his or her knowledge or belief, that:

1. No federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an officer or employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative Contract, and the extension, continuation, renewal, amendment, or modification or any federal contract, grant, loan, or cooperative contract; and

2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, and or cooperative contract, the undersigned shall complete and submit Standard Form – LLL, "Disclosure Form to Report Lobbying", in accordance with the instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers and that all sub-recipients shall certify accordingly.

Name of Organization/Contractor(s):
Quantiphi, Inc.

Signature of Authorized Representative:

DocuSigned by:

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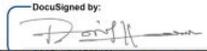
Asif Hasan, Co-Founder

Date:
01/13/2025

ATTACHMENT V: DRUG-FREE WORKPLACE CERTIFICATION

The Quantiphi, Inc. (company name) will provide a Drug Free Work Place in compliance with the Drug Free Work Place Act of 1988. The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on the premises of the Quantiphi, Inc. (company name) or any of its facilities. Any employee who violates this prohibition will be subject to disciplinary action up to and including termination. All employees, as a condition of employment, will comply with this policy.

CERTIFICATION REGARDING DRUG-FREE WORKPLACE

This certification is required by the Federal Regulations Implementing Sections 5151-5160 of the Drug-Free Workplace Act, 41 U.S.C. 701, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668 and 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned subcontractor certifies it will provide a drug-free workplace by:

Publishing a policy Proposal notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the consequences of any such action by an employee;

Establishing an ongoing drug-free awareness program to inform employees of the dangers of drug abuse in the workplace, the subcontractor's policy of maintaining a drug-free workplace, the availability of counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed on employees for drug violations in the workplace;

Providing each employee with a copy of the subcontractor's policy Proposal;

Notifying the employees in the subcontractor's policy Proposal that as a condition of employment under this subcontract, employees shall abide by the terms of the policy Proposal and notifying the subcontractor in writing within five days after any conviction for a violation by the employee of a criminal drug abuse statue in the workplace;

Notifying the Board within ten (10) days of the subcontractor's receipt of a notice of a conviction of any employee; and,

Taking appropriate personnel action against an employee convicted of violating a criminal drug statue or requires such employee to participate in a drug abuse assistance or rehabilitation program.

Name of Organization/Contractor(s):
Quantiphi, Inc._____

Signature of Authorized Representative:

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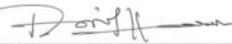
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Asif Hasan, Co-Founder

Date:
01/13/2025

ATTACHMENT VI: DISCLOSURE OF CONFLICT OF INTEREST
CERTIFICATION REGARDING DISCLOSURE OF CONFLICT OF INTEREST

The undersigned certifies that, to the best of his or her knowledge or belief, that:

"No employee of the contractor, no member of the contractor's governing board or body, and no person who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this contract shall participate in any decision relating to this contract which affects his/her personal pecuniary interest.

Executives and employees of contractor shall be particularly aware of the varying degrees of influence that can be exerted by personal friends and associates and, in administering the contract, shall exercise due diligence to avoid situations which give rise to an assertion that favorable treatment is being granted to friends and associates. When it is in the public interest for the contractor to conduct business with a friend or associate of an executive or employee of the contractor, an elected official in the area or a member of the North Central Texas Council of Governments, a permanent record of the transaction shall be retained.

Any executive or employee of the contractor, an elected official in the area or a member of the NCTCOG, shall not solicit or accept money or any other consideration from a third person, for the performance of an act reimbursed in whole or part by contractor or Department. Supplies, tools, materials, equipment or services purchased with contract funds shall be used solely for purposes allowed under this contract. No member of the NCTCOG shall cast a vote on the provision of services by that member (or any organization which that member represents) or vote on any matter which would provide a direct or indirect financial benefit to the member or any business or organization which the member directly represents".

No officer, employee or paid consultant of the contractor is a member of the NCTCOG.

No officer, manager or paid consultant of the contractor is married to a member of the NCTCOG.

No member of NCTCOG directly owns, controls or has interest in the contractor.

The contractor has disclosed any interest, fact, or circumstance that does or may present a potential conflict of interest.

No member of the NCTCOG receives compensation from the contractor for lobbying activities as defined in Chapter 305 of the Texas Government Code.

Should the contractor fail to abide by the foregoing covenants and affirmations regarding conflict of interest, the contractor shall not be entitled to the recovery of any costs or expenses incurred in relation to the contract and shall immediately refund to the North Central Texas Council of Governments any fees or expenses that may have been paid under this contract and shall further be liable for any other costs incurred or damages sustained by the NCTCOG as it relates to this contract.

Name of Organization/Contractor(s):

Quantiphi, Inc.

Signature of Authorized Representative:

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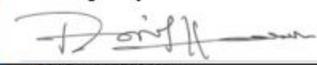Asif Hasan, Co-Founder

Date:
01/13/2025

ATTACHMENT VII: CERTIFICATION OF FAIR BUSINESS PRACTICES

That the submitter has not been found guilty of unfair business practices in a judicial or state agency administrative proceeding during the preceding year. The submitter further affirms that no officer of the submitter has served as an officer of any company found guilty of unfair business practices in a judicial or state agency administrative during the preceding year.

Name of Organization/Contractor(s):
Quantiphi, Inc.

Signature of Authorized Representative:

DocuSigned by:

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Asif Hasan, Co-Founder

Date:

01/13/2025

ATTACHMENT VIII: CERTIFICATION OF GOOD STANDING
TEXAS CORPORATE FRANCHISE TAX CERTIFICATION

Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments. The following certification that the corporation entering into this offer is current in its franchise taxes must be signed by the individual authorized on Form 2031, Corporate Board of Directors Resolution, to sign the contract for the corporation.

The undersigned authorized representative of the corporation making the offer herein certified that the following indicated Proposal is true and correct and that the undersigned understands that making a false Proposal is a material breach of contract and is grounds for contract cancellation.

Indicate the certification that applies to your corporation:

- ☑ The Corporation is a for-profit corporation and certifies that it is not delinquent in its franchise tax payments to the State of Texas.

- The Corporation is a non-profit corporation or is otherwise not subject to payment of franchise taxes to the State of Texas.

Type of Business (if not corporation):

Sole Proprietor

Partnership

Other

Pursuant to Article 2.45, Texas Business Corporation Act, the North Central Texas Council of Governments reserves the right to request information regarding state franchise tax payments.

Asif Hasan, Co-Founder

(Printed/Typed Name and Title of Authorized Representative)

DocuSigned by:

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Signature

Date: 01/13/2025

ATTACHMENT IX: HISTORICALLY UNDERUTILIZED BUSINESSES, MINORITY OR WOMEN-OWNED OR DISADVANTAGED BUSINESS ENTERPRISES

Historically Underutilized Businesses (HUBs), minority or women-owned or disadvantaged businesses enterprises (M/W/DBE) are encouraged to participate in the solicitation process.

NCTCOG recognizes the certifications of most agencies. HUB vendors must submit a copy of their certification for consideration during the evaluation of their proposal. Please attach the copy to this form. This applies only to the Offeror and not a subcontractor.

Texas vendors who are not currently certified are encouraged to contact either the Texas United Certification Program, State of Texas HUB Program, or the North Central Texas Regional Certification Agency, among others. Contact:

State of Texas HUB Program
Texas Comptroller of Public Accounts
Lyndon B. Johnson State Office Building
111 East 17th Street
Austin, Texas 78774
(512) 463-6958
http://www.window.state.tx.us/procurement/prog/hub/

North Central Texas Regional Certification Agency
624 Six Flags Drive, Suite 100
Arlington, TX 76011
(817) 640-0606
http://www.nctrca.org/certification.html
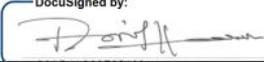
Texas United Certification Program
USDOT website at
https://www.transportation.gov/DBE

You must include a copy of your certification document as part of this solicitation to receive points in the evaluation.

Vendor to Sign Below to Attest to Validity of Certification:

Quantiphi, Inc.
Vendor Name

Authorized Signature

Asif Hasan   01/13/2025
Typed Name   Date

☑ Not applicable.

ATTACHMENT X: NCTCOG FEDERAL AND STATE OF TEXAS
REQUIRED PROCUREMENT PROVISIONS

The following provisions are mandated by Federal and/or State of Texas law. Failure to certify to the following will result in disqualification of consideration for contract. Entities or agencies that are not able to comply with the following will be ineligible for consideration of contract award.

PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT CERTIFICATION

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment. Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g., phones, internet, video surveillance, cloud servers) include the following:

A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).

B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).

C) Telecommunications or video surveillance services used by such entities or using such equipment.

D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country. The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.
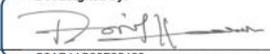
☑ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON:

DocuSigned by:

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NAME OF AUTHORIZED PERSON: Asif Hasan

NAME OF COMPANY: Quantiphi, Inc.

DATE: 01/13/2025

-OR-

The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON: _____

NAME OF AUTHORIZED PERSON: _____

NAME OF COMPANY: _____

DATE: _____

DISCRIMINATION AGAINST FIREARMS ENTITIES OR FIREARMS TRADE ASSOCIATIONS

This contract is subject to the Texas Local Government Code chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries. TLGC chapter 2274, Subtitle F, Title 10, identifies that "discrimination against a firearm entity or firearm trade association" includes the following:

A) means, with respect to the entity or association, to:

    I.   refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; and

    II.   refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or

    III.   terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association.

B) An exception to this provision excludes the following:

    I.   contracts with a sole-source provider; or

    II.   the government entity does not receive bids from companies who can provide written verification.
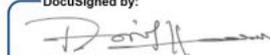
The entity identified below, through its authorized representative, hereby certifies that they have no practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and that they will not discriminate during the term of the contract against a firearm entity or firearm trade association as prohibited by Chapter 2274, Subtitle F, Title 10 of the Texas Local Government Code.

☑ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 2274, Subtitle F, Title 10.

DocuSigned by:

C8AB11C08F25489...

SIGNATURE OF AUTHORIZED PERSON:
NAME OF AUTHORIZED PERSON: Asif Hasan
NAME OF COMPANY: Quantiphi, Inc.
DATE: 01/13/2025

-OR-

The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 2274, Subtitle F, Title 10.

SIGNATURE OF AUTHORIZED PERSON: _____
NAME OF AUTHORIZED PERSON: _____
NAME OF COMPANY: _____

DATE: _____

BOYCOTTING OF CERTAIN ENERGY COMPANIES

This contract is subject to the Texas Local Government Code chapter 809, Subtitle A, Title 8, prohibiting contracts with companies who boycott certain energy companies.

TLGC chapter Code chapter 809, Subtitle A, Title 8, identifies that "boycott energy company" means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

I.   engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; and

II.   does business with a company described by paragraph (I).

The entity identified below, through its authorized representative, hereby certifies that they do not boycott energy companies, and that they will not boycott energy companies during the term of the contract as prohibited by Chapter 809, Subtitle A, Title 8 of the Texas Local Government Code.

☑ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:
NAME OF AUTHORIZED PERSON: Asif Hasan
NAME OF COMPANY: Quantiphi, Inc.
DATE: 01/13/2025

DocuSigned by:
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-OR-
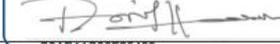
The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON: _____
NAME OF AUTHORIZED PERSON: _____
NAME OF COMPANY: _____
DATE: _____

Exhibit I (1/9)

EXHIBIT 1: SERVICE DESIGNATION AREAS

	Texas Service Area Designation or Identification		
Proposing Firm Name:	**Quantiphi, Inc.**		
Notes:	**Indicate in the appropriate box whether you are proposing to service the entire state of Texas**		
	Will service the entire state of Texas		Will not service the entire state of Texas
	☑		
	If you are not proposing to service the entire state of Texas, designate on the form below the regions that you are proposing to provide goods and/or services to. By designating a region or regions, you are certifying that you are willing and able to provide the proposed goods and services.		
Item	**Region**	**Metropolitan Statistical Areas**	**Designated Service Area**

Exhibit I (2/9)

1.	North Central Texas	16 counties in the Dallas-Fort Worth Metropolitan area	
2.	High Plains	Amarillo Lubbock	
3.	Northwest	Abilene Wichita Falls	
4.	Upper East	Longview Texarkana, TX-AR Metro Area Tyler	
5.	Southeast	Beaumont-Port Arthur	
6.	Gulf Coast	Houston-The Woodlands-Sugar Land	
7.	Central Texas	College Station-Bryan Killeen-Temple Waco	
8.	Capital Texas	Austin-Round Rock	
9.	Alamo	San Antonio-New Braunfels Victoria	

Exhibit I (3/9)

10.	South Texas	Brownsville-Harlingen Corpus Christi Laredo McAllen-Edinburg-Mission	
11.	West Texas	Midland Odessa San Angelo	
12.	Upper Rio Grande	El Paso	

	Nationwide Service Area Designation or Identification Form	
Proposing Firm Name:	**Quantiphi, Inc.**	
Notes:	**Indicate in the appropriate box whether you are proposing to provide service to all Fifty (50) States.**	
	Will service all fifty (50) states	Will not service all fifty (50) states
	☑	

Exhibit I (4/9)

	If you are not proposing to service to all fifty (50) states, then designate on the form below the states that you will provide service to. By designating a state or states, you are certifying that you are willing and able to provide the proposed goods and services in those states. If you are only proposing to service a specific region, metropolitan statistical area (MSA), or City in a State, then indicate as such in the appropriate column box.		
Item	**State**	**Region/MSA/City (write "ALL" if proposing to service entire state)**	**Designated as a Service Area**
1.	Alabama	ALL	
2.	Alaska	ALL	
3.	Arizona	ALL	
4.	Arkansas	ALL	
5.	California	ALL	
6.	Colorado	ALL	
7.	Connecticut	ALL	

Exhibit I (5/9)

8.	Delaware	ALL	
9.	Florida	ALL	
10.	Georgia	ALL	
11.	Hawaii	ALL	
12.	Idaho	ALL	
13.	Illinois	ALL	
14.	Indiana	ALL	
15.	Iowa	ALL	
16.	Kansas	ALL	
17.	Kentucky	ALL	
18.	Louisiana	ALL	
19.	Maine	ALL	

Exhibit I (6/9)

20.	Maryland	ALL	
21.	Massachusetts	ALL	
22.	Michigan	ALL	
23.	Minnesota	ALL	
24.	Mississippi	ALL	
25.	Missouri	ALL	
26.	Montana	ALL	
27.	Nebraska	ALL	
28.	Nevada	ALL	
29.	New Hampshire	ALL	
30.	New Jersey	ALL	

Exhibit I (7/9)

31.	New Mexico	ALL	
32.	New York	ALL	
33.	North Carolina	ALL	
34.	North Dakota	ALL	
35.	Ohio	ALL	
36.	Oregon	ALL	
37.	Oklahoma	ALL	
38.	Pennsylvania	ALL	
39.	Rhode Island	ALL	
40.	South Carolina	ALL	
41.	South Dakota	ALL	
42.	Tennessee	ALL	

Exhibit I (8/9)

31.	New Mexico	ALL	
32.	New York	ALL	
33.	North Carolina	ALL	
34.	North Dakota	ALL	
35.	Ohio	ALL	
36.	Oregon	ALL	
37.	Oklahoma	ALL	
38.	Pennsylvania	ALL	
39.	Rhode Island	ALL	
40.	South Carolina	ALL	
41.	South Dakota	ALL	
42.	Tennessee	ALL	

Exhibit I (9/9)

43.	Texas	ALL	
44.	Utah	ALL	
45.	Vermont	ALL	
46.	Virginia	ALL	
47.	Washington	ALL	
48.	West Virginia	ALL	
49.	Wisconsin	ALL	
50.	Wyoming	ALL	

End of Exhibit 1

DocuSigned by:

[signature]

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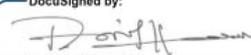
Asif Hasan

Date: 01/13/2025

Thank You

Explore Marketing Hub
https://sites.google.com/quantiphi.com/marketing-hub

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