Project Name: Multidimensional Information Data Analytics System (MIDAS)

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05/30/2024 – MIDS VIQR Datacall

Contract Reference #3: CMS Multidimensional Information Data Analytics System (MIDAS) – Prime: RELI

Size	**# FTEs: 50**	**Contract $ Value:** $53,388,765.48	**# of End Users:** 326
Scope	RELI manages MIDAS, the Marketplace's central data warehouse, storing a decade of critical CMS/CCIIO data (~1PB). We integrate data from multiple sources, providing data management, analytics support, security, and operational dashboards. Our modernization includes APIs, user-friendly portals, and quality assurance, meeting CMS Target Life Cycle requirements in CMS-provided cloud environments. RELI develops reports and dashboards accessible via QuickSight or email, offering functional and operational insights. Additionally, we lead security efforts, maintaining sensitive data and system security artifacts within federal GRC solutions like CMS' CFACTS and AWS Security Hub, ensuring ATO compliance.		
Complexity	Managing MIDAS requires expertise in AWS EMR, Databricks, Amazon Redshift, TWS, SQL, OLAP tools, and PagerDuty. RELI excels in cloud infrastructure, data modeling, and process improvement, demonstrated by enhanced documentation and SOPs during the 2023 Open Enrollment. We ensure robust data integration and governance using AWS tools, provide a "single view of the truth" with Databricks, support business processes with data marts, and perform complex analytics with Redshift Spectrum.		
Similarity to the SOW	***Project Management (C.2).*** RELI follows the Marketplace Lean Agile Center of Excellence, using SAFe ceremonies to meet CCIIO's needs. Our PMP integrates management plans and detailed sprint planning, enhanced by Jira and Confluence. Managing 43 personnel and subcontractors, we ensure high-quality deliverables and improved SOP development and management through our business innovation center. ***Information Gathering (C.3).*** We prioritize information gathering and data analysis for decision-making and operational efficiency, focused on establishing a robust data analysis ecosystem. MIDAS emphasizes enhanced analytical skills, collaboration, and data quality. We deliver reports within specified timeframes and adhere to standardized practices to maintain data quality. ***Instrument/Item Development (C.5).*** MIDAS involves database development and management tasks including enhancing the MIDAS system, managing multiple development activities simultaneously, integrating program data requirements, and supporting pipeline redesign efforts and data operations. ***Reports/Approval Packages (C.7).*** RELI submits weekly and monthly status reports detailing accomplished tasks, ongoing activities, staffing updates, and issues requiring CMS' input. These reports ensure transparency, facilitate issue resolution, and keep stakeholders informed about project progress. ***Implementation, Production & Assessment (C.8).*** Tasks related to implementation, production, and assessment focus on support for pipeline tasks like redesign, Databricks implementation, ETL support, and ad hoc responsiveness. This includes pipeline operations development, quality assurance, addressing ad hoc requests, and executing cutover to new datasets. Additionally, MIDAS integrates SAS Viya for advanced analytics and machine learning capabilities, involving setup and user support. ***Access to Systems/DUA (C.10).*** RELI has signed a CMS Data Use Agreement to protect confidential data and ensure compliance with Privacy Act, Privacy Rule, and CMS data release policies. ***QA & Performance Evaluation (C.11).*** RELI's Quality Assurance and Management Plan includes a system for continuous monitoring and improvement, adherence to CMS' QASP, and the collection of qualitative metrics in MIDAS to ensure high-quality stakeholder impacts. ***Transition Plan (C.12).*** RELI navigated a 90-day Transition-In phase, resolving issues with documentation, data models, and structures while refining Agile processes. Using Confluence, we documented processes, hired staff, managed personnel shifts, and improved knowledge transfer. A month post-transition, RELI handled the critical OE11 Batch Auto Reenrollment, integrating commercial plan data with CMS datasets for secure and timely distribution.		
Role / Functions / Responsibilities	***Stakeholder Collaboration Experience.*** Our agile management and effective collaboration with CMS and stakeholders (including ADOs on integration work) led to enhanced documentation, streamlined processes, and continuous operational improvements on MIDAS, which integrates over 30 data streams from health plans, states, and federal sources for CMS.		
Period of Performance: 11/01/2022 - 10/31/2027			

05/06/2024 – HHS CMS Cloud Product Engineering & Operations (CPEO)

1. Describe your organization's experience in managing large-scale infrastructure services inclusive of on-premises and cloud-based infrastructure.

CMS Multidimensional Information Data Analytics System (MIDAS): Our O&M expertise exemplifies our capability to effectively manage complex, cloud-based data integration systems. As the centralized data warehouse and analytics solution for CCIIO, MIDAS processes 30+ data streams from a diverse range of sources, including hundreds of commercial health plans, state, and federal stakeholders. This capability supports critical decision-making and service delivery by enabling comprehensive solutions for in-depth analysis and reporting, thereby streamlining data management and utilization. Our exceptional performance during the 2023 Open Enrollment led to a contract modification for enhancing MIDAS O&M documentation, creating SOPs, and expanding the use of Erwin for data modeling aimed at improving operations and reinforcing business community relationships through increased transparency. MIDAS employs AWS Elastic Map Reduce (EMR) and Databricks for robust data integration and governance, ensuring data integrity. Systematic monitoring and ETL process management, with automated alerts for managing resource use and operational challenges, enhanced the system's operational efficiency. MIDAS ingests data from entities like issuers, vendors, agents, brokers, and customers, linking it to information from commercial plans, states, and CMS systems through complex SQL. We seamlessly integrate and analyze data from various sources, leveraging Kubernetes-upgraded SAS alongside Redshift-based BI tools, all efficiently managed through Tivoli Work Scheduler (TWS) for streamlined job scheduling and process orchestration. Incident management strategies, including PagerDuty and email alerts for job failures or deviations, support MIDAS in swiftly resolving issues. We managed change requests across multiple categories—Infrastructure, DevSecOps, Report Generation, and Data Engineering—delivering an average of 10 root cause analyses (RCAs) a month. The MIDAS 'Gateway' UI, developed in Java, seamlessly integrates with BI tools, and provides Lambda functions for user authentication, session identification, and dynamic content delivery.

2. **Describe your organization's approach for delivery of infrastructure and shared services to a large federal organization with varying levels of DevSecOps maturity and experience.**

CMS MIDAS: In August 2023, one month after completing transition in for MIDAS, RELI embarked on the ambitious task of migrating the MIDAS v3 environments – PROD, PROD REPLICA, IMPL, VAL, and DEV – to the AWS v4 architecture within a targeted eight-month period. This project modification requires the collaborative effort of multiple Application Development Organizations (ADOs). We employ the SAFe Methodology, organizing work into two-week sprint cycles and using CMS tools including Jira and Confluence for project management and documentation, in coordination with CMS Cloud IT Operations and the Marketplace System Integrator (MSI). The migration to AWS v4 will modernize the MIDAS system, focusing on enhancing security, providing granular separation of duties, achieving consistency across AWS account configurations, enabling federated access, and automating infrastructure management. These improvements optimize hardware resource utilization and achieve cost savings.

Upon contract initiation, RELI identified undocumented components of the MIDAS AWS v3 environment by the former contractor. Specifically, the MIDAS Gateway lacked documentation, necessitating a reverse engineering process to understand the CloudFormation templates, Python, and Lambda code. This phase also required extensive integration testing and coordination with other ADOs. During the critical 2023 Open Enrollment period, despite taking over the contract shortly before its commencement, RELI upheld CMS's rigorous standards through proficient Agile ceremony management, including Backlog Refinement, Team Syncs, and Iteration Planning, delivering mission-critical and time-sensitive tasks. RELI has consistently captured, measured, reviewed, and tracked risks through weekly status reports. Agile Program Increment (PI) planning sessions are integral for defining and tracking Objectives and Key Results (OKRs), with a clear focus on measuring business value through the quality and timeliness of deliverables. Regular collaboration with other ADOs and the MSI team via PI planning and regular meetings enabled the identification and resolution of cross-platform dependencies.

For financial oversight, RELI calculated infrastructure and software cost estimates, submitting these to CMS via the CMS OCEAN application. The team tracked monthly expenditures using AWS cost analysis tools and other software utilities, closely monitoring project staffing and resource utilization to maintain budget adherence. To be transparent and align with project objectives, RELI reported financial metrics, along with other project performance indicators to CMS during monthly performance review calls.

04/22/2024 – CMS Unified Case Management (UCM)

Exhibit 1: Transforming/Modernizing IT Services through Agile Project Management Support

Relevant Corporate Experience
Multidimensional Information Data Analytics System (MIDAS): In August 2023, one month after completing transition in for MIDAS, RELI embarked on the ambitious task of migrating the MIDAS v3 environments – PROD, PROD REPLICA, IMPL, VAL, and DEV – to the AWS v4 architecture within a targeted eight-month period. This project modification requires the collaborative effort of multiple Application Development Organizations (ADOs). We employ the SAFe Methodology, organizing work into two-week sprint cycles and using CMS tools including Jira and Confluence for project management and documentation, in coordination with CMS Cloud IT Operations and the Marketplace System Integrator (MSI). The migration to AWS v4 will modernize the MIDAS system, focusing on enhancing security, providing granular separation of duties, achieving consistency across AWS account configurations, enabling federated access, and automating infrastructure management. These improvements optimize hardware resource utilization and achieve cost savings. Upon contract initiation, RELI identified undocumented components of the MIDAS AWS v3 environment by the former contractor. Specifically, the MIDAS Gateway lacked documentation, necessitating a reverse engineering process to understand the CloudFormation templates, Python, and Lambda code. This phase also required extensive integration testing and coordination with other ADOs. During the critical 2023 Open Enrollment period, despite taking over the contract shortly before its commencement, RELI upheld CMS's rigorous standards through proficient Agile ceremony management, including Backlog Refinement, Team Syncs, and Iteration Planning, delivering mission-critical and time-sensitive tasks. RELI has consistently captured, measured, reviewed, and tracked risks through weekly status reports. Agile Program Increment (PI) planning sessions are integral for defining and tracking OKRs, with a clear focus on measuring business value through the quality and timeliness of deliverables. Regular collaboration with other ADOs and the MSI team via PI planning and regular meetings enabled the identification and resolution of cross-platform dependencies. For financial oversight, RELI calculated infrastructure and software cost estimates, submitting these to CMS via the CMS OCEAN application. The team tracked monthly expenditures using AWS cost analysis tools and other software utilities, closely monitoring project staffing and resource utilization to maintain budget adherence. To be transparent and align with project objectives, RELI reported financial metrics, along with other project performance indicators to CMS during monthly performance review calls.

Exhibit 2: Demonstrated Experience in AWS Cloud and other Enterprise Shared Services

Relevant Corporate Experience
MIDAS: The MIDAS infrastructure is designed to comply with CMS Technical Reference Architecture (TRA) specifications, organizing servers across presentation, application, and data layers for optimal performance and scalability. Hosted on AWS,

MIDAS benefits from cloud computing's reliability, security, and adaptive architecture through DevOps practices like Infrastructure as Code (IaC) via CloudFormation scripts, with configuration management facilitated by Puppet. RELI is making significant progress on the journey to migrate MIDAS to CMS's AWS v4, next-generation architecture, by Q2 2024. MIDAS processes 30+ data streams from a diverse range of sources, including hundreds of commercial health plans, and state and federal stakeholders. This capability supports critical decision-making and service delivery by enabling comprehensive solutions for in-depth analysis and reporting, thereby streamlining data management. MIDAS ingests data on entities like issuers, vendors, agents/brokers, and customers, linking it to information from commercial plans, states, and CMS systems through complex Structured Query Language (SQL). We integrate and analyze data from diverse sources, using BI tools via Redshift, streamlined by Tivoli Work Scheduler (TWS) for efficient job scheduling and process orchestration.

Exhibit 3: Demonstrated Experience in AWS Cloud and other Enterprise Shared Services

Relevant Corporate Experience
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Exhibit 4: Demonstrated Experience in Coordinating with Internal and External Stakeholders in Acquiring and Managing Data Sources

Relevant Corporate Experience
MIDAS: MIDAS efficiently processes over 30 data streams from a variety of sources, including numerous commercial health plans and several state and federal stakeholders. This program enhances CMS's data aggregation and analysis capabilities to support the health insurance marketplace efficiently. The primary challenge was integrating disparate data sources into a unified system that could offer reliable, real-time data to stakeholders. To address this, MIDAS leverages robust technologies including Electronic Fund Transfer and Representational State Transfer APIs, facilitating the seamless ingestion of data from 30 distinct sources. These sources include major data aggregators like the Federally Facilitated Marketplace (FFM) Data Services Hub (DSH), Health Insurance Oversight System, Health Insurance Casework System, State-based Marketplaces (SBM), Integrated Marketplace Access System (IMAS), Small Business Health Opportunity Program (SHOP), Enrollment & Payment Store, and External Data Gathering Environment, along with direct feeds from CMS systems and external entities such as the National Insurance Producer Registry. A pivotal moment was during a major outage with the TWS, which threatened data processing continuity. MIDAS's team promptly collaborated with the CMS Exchange Operational Support Center and IBM's TWS experts. Our joint efforts swiftly restored operations and minimized downtime to under two hours—a significant improvement from the average resolution time of past incidents, which typically exceeded six hours. Our strategic partnerships, particularly with third-party vendors including Databricks and SAS, have been crucial. For instance, when facing challenges with the SAS Viya platform, we worked directly with SAS technicians to enhance system compatibility and performance, ultimately increasing data processing throughput by 40%. These instances underscore our commitment to maintaining strong, effective relationships with all involved parties, enabling transparency and timely resolutions to challenges. Through these efforts, MIDAS has demonstrated an exceptional ability to manage complex data ecosystems, enhancing service reliability and customer support across CMS's operational landscape.

04/05/2024 – CMS Advanced Provider Screening (APS) Technical Factor 1: Corporate Experience

Corporate Experience Narrative

CPI seeks a contractor skilled in Agile software development to manage and operate the APS system, encompassing CMS's hosting infrastructure, third-party data integration, and system enhancements. This effort contributes to CPI's National Fraud Prevention Program, enhancing provider screening to safeguard Medicare and Medicaid. RELI offers comprehensive APS support by collaborating with incumbent BAH (a national IT and data management leader), NGS (experienced in provider fraud, waste, and abuse from the

MAC perspective), and TurningPoint (proficient in CPI provider systems such as the National Plan and Provider Enumeration System [NPPES] and the Provider Enrollment, Chain, and Ownership System [PECOS]). RELI is ready from day one, leveraging the experience of BAH and NGS from the last Transition-In, offering a low-risk entry with our skilled team adept at handling daily APS processing, business rules evaluation, reporting, and alerting to enable program eligibility and combat fraud, waste, and abuse.

The sources of experience cited in this narrative (Error! Reference source not found.) showcase the depth and breadth of RELI's experience on projects performing functions, using tools and architectures, and collaborating with stakeholders similar to those under APS. RELI's role was that of a prime contractor on all projects cited, and RELI will serve as the prime on any contract awarded under the solicitation.

1.1 Demonstrated Experience with SOO Objectives

1.1.1 Transition-In (SOO 4.1) and Transition-Out (SOO 5)

- Transition-In (SOO 4.1): RELI recently transitioned programs similar to APS, including NPPES and Multidimensional Information Data Analytics System (MIDAS), by setting up procedures for seamless work transition from incumbents, quickly ramping up resources, and ensuring service continuity.

- MIDAS: As the prime contractor for the MIDAS data warehouse, RELI skillfully navigated a 90-day Transition-In phase, adeptly addressing staffing challenges arising from protest-related delays. Initiating the transition on short notice, RELI tackled hurdles such as inadequate system documentation, disorganized data models, and outdated data structures, alongside refining an Agile process to better meet the Center for Consumer Information and Insurance Oversight (CCIIO) business team's expectations. Transition efforts involved a strategic approach using Confluence for documentation, hiring 43 staff, drafting joint operating agreements (JOAs), managing personnel shifts, and enhancing knowledge transfer through job shadowing, knowledge sharing sessions, and rapid onboarding materials. Demonstrating our readiness, a month post-transition, RELI managed the vital OE11 Batch Auto Reenrollment operations, seamlessly integrating data from hundreds of commercial plans with numerous CMS datasets for secure distribution to stakeholders, while meeting stringent operational deadlines.

1.1.2 Program Management (SOO 4.2)

Program Management (SOO 4.2): NPPES and MIDAS both manage large data systems using SAFe and other best practices.

- MIDAS: Our adherence to the Marketplace Lean Agile Center of Excellence is evident through SAFe ceremonies such as Team Syncs, Backlog Refinement, and Iteration Planning, which align with CCIIO's requirements for program management. The Program Management Plan (PMP) encompasses a comprehensive approach, including requirements traceability, schedule, risk, quality, human resources, knowledge, communications, stakeholder, subcontractor, metrics, and budget management plans, underpinning our project's foundation. This integration of the PMP with the Agile Development Management Process promotes a lifecycle methodology, enriched by detailed sprint planning and extensive stakeholder coordination. We enhanced the use of Jira and Confluence to boost project transparency and streamline application design and development. Managing 43 personnel and subcontractors ensures optimal staffing and high-quality deliverables, while our newly established business innovation center supports improved relations with business owners and standard operating procedure (SOP) development.

1.1.3 Operations and Management (O&M) (SOO 4.3)

Operations and Maintenance (SOO 4.3): RELI maintains continuity for CMS' critical data systems, including CPI's operational data system NPPES and CCIIO's MIDAS data warehouse; APS serves as both an operational and data analytics system.

- MIDAS: Our O&M expertise exemplifies our capability to effectively manage complex, cloud-based data integration systems. As the centralized data warehouse and analytics solution for CCIIO, MIDAS processes 30+ data streams from a diverse range of sources, including hundreds of commercial health plans, state, and federal stakeholders. This capability supports critical decision-making and service delivery by enabling comprehensive solutions for in-depth analysis and reporting, thereby streamlining data management and utilization. Our exceptional performance during the 2023 Open Enrollment led to a contract modification for enhancing MIDAS O&M documentation, creating SOPs, and expanding the use of Erwin for data modeling aimed at improving operations and reinforcing business community relationships through increased transparency. MIDAS employs AWS Elastic Map Reduce (EMR) and Databricks for robust data integration and governance, ensuring data integrity. Systematic monitoring and ETL process management, with automated alerts for managing resource use and

operational challenges, enhanced the system's operational efficiency. MIDAS ingests data from entities like issuers, vendors, agents, brokers, and customers, linking it to information from commercial plans, states, and CMS systems through complex SQL. We seamlessly integrate and analyze data from various sources, leveraging Kubernetes-upgraded SAS alongside Redshift-based BI tools, all efficiently managed through Tivoli Work Scheduler (TWS) for streamlined job scheduling and process orchestration. Incident management strategies, including PagerDuty and email alerts for job failures or deviations, support MIDAS in swiftly resolving issues. We managed change requests across multiple categories—Infrastructure, DevSecOps, Report Generation, and Data Engineering—delivering an average of 10 root cause analyses (RCAs) a month. The MIDAS 'Gateway' UI, developed in Java, seamlessly integrates with BI tools, and provides Lambda functions for user authentication, session identification, and dynamic content delivery.

- CCIIO gave RELI an additional contract modification for the migration of MIDAS to CMS's AWS V4 valuing the way RELI took ownership of the MIDAS operations. This highlights our comprehensive role in managing innovative enhancements and the entire system lifecycle—planning, requirements, design, development, integration, deployment, and necessary testing. This transition to CMS's AWS V4, demonstrates our commitment to operational excellence, adaptability, and innovation.

1.1.4 Systems Monitoring (SOO 4.4)

Systems Monitoring (SOO 4.4): RELI uses best in class performance, security, costs, and effectiveness monitoring tools.

- MIDAS: RELI's MIDAS management includes comprehensive continuous monitoring of its user interface, security, and connected systems, guaranteeing the hosting environment remains operational, secure, and performance optimized. This encompasses daily evaluations of hosting components, systems, jobs, and processes to verify they function optimally, alongside active monitoring and alert mechanisms that enable application stability and security. We promptly resolve operational issues and communicate discrepancies within 2 hours, ensuring thorough initial RCA to prevent false alerts to CMS and facilitate stakeholder notifications via Help Desk across email, Slack, and other platforms. Real-time Nessus and AWS Security Hub scans reinforce system health and security with New Relic, Splunk, and AWS CloudWatch offering insights into system health, and CCIIO's OCEAN tracking system costs. PagerDuty alerts for resource limits and production job features like dependencies, retries, and restarts provide fault tolerance, complemented by detailed logging and auditing for data integrity.

1.1.5 Systems Infrastructure and Data Analytics (SOO 4.5)

Systems Infrastructure and Data Analytics (SOO 4.5): RELI maintains environments, continuity of operations and recovery, data, storage and retention, data quality, and data analytics to optimize operations.

- MIDAS: RELI enhanced MIDAS's infrastructure and data handling capabilities, employing advanced tools such as SAS, Excel, Databricks, Apache Spark, Python, Scala, SQL, Cognos, and GitHub. We created a comprehensive, business-friendly data dictionary and models with Erwin to improve architecture and data quality. This includes automating and manually reviewing data ingestion, transformation, outputs, and reports to maintain high data quality. When issues arise, we promptly alert CCIIO leadership, provide transparency and communicate with stakeholders, identify the issue, collaborate with the XOC to inform users, and diligently work towards resolution, while also keeping business owners updated. We also are tasked with documenting data processes to increase business community understanding and transparency. MIDAS aligns with CMS Technical Reference Architecture using a layered server organization across presentation, application, and data tiers, hosted on AWS for its scalable, secure, and reliable cloud computing benefits. Our DevSecOps integration employs Infrastructure as Code through CloudFormation scripts and configuration management via Puppet, enabling adaptive architecture. We are progressing towards migrating MIDAS environments—Prod, Prod Replica, Dev, Val, Impl—to CMS's AWS V4 architecture. The MIDAS Gateway facilitates secure analytics access, integrating with tools like Databricks and SAS Viya, while Redshift allows independent SAS analytics. Our strategy involves proactive CMS TRB engagement for MIDAS's strategic direction, managing software licenses and costs with CMS's Software Asset Management and adhering to security standards.

1.1.6 Data Sources and Vendors (SOO 4.6)

Data Sources and Vendors (SOO 4.6): RELI possesses extensive data integration expertise across Medicare, Medicaid, and Marketplace data ecosystems, collaborating with states, commercial plans, federal agencies, and CMS' data catalog.

- MIDAS: MIDAS processes a large array of data—from Issuer and Enrollment to Financials—sourced from the FFE, commercial plans, and state exchanges via the CCIIO Data Hub, incorporating additional feeds directly from CMS systems and external entities like HICS and NIPR. To enhance data handling, MIDAS uses diverse methods such as EFT and REST APIs to ingest 30 data sources, establishing seamless data retrieval and interfacing with external applications. A key to MIDAS's

operations is its strategic partnerships with third-party vendors like Databricks, IBM, and AWS, alongside collaborative efforts with the CCIIO's MITG team and AWS support to transition to more cost-effective platforms. RELI, in coordination with the CMS CPI team, worked with SAS to address challenges with the SAS Viya platform, demonstrating effective problem-solving. During a TWS outage, MIDAS collaborated proactively with CCIIO's XOC and IBM TWS experts, earning accolades from MIDAS business owners for swiftly restoring operations. These instances show the importance of strong relationships with third-party vendors, underscoring RELI's ability to navigate technical challenges and optimize system performance through vendor partnerships.

1.1.7 APS End User and Stakeholder Support (SOO 4.7)

APS End User and Stakeholder Support (SOO 4.7): RELI provides Tiers 0, 1, and 2 support as well as performing RCA, stakeholder engagements and requests, and focus groups as a data integrator and as a data analytics consumer.

- MIDAS: RELI's MIDAS help desk services, supported by a team proficient in user access and service request management, adhere to updated SOPs and use workflows and Jira for efficient tracking and resolution, enabling uninterrupted operations. Automation of daily production jobs with alert triggers enables swift issue resolution, while collaboration with the CCIIO XOC enhances communication and release management, guaranteeing operational stability. This partnership extends to crafting notifications and managing stakeholder communications for timely updates and incident handling. Managing 30 data feeds from hundreds of entities within a complex data warehouse like MIDAS underscores the importance of adept RCA for addressing operational challenges. RELI's collaboration with the CPI team and SAS resolved issues with the SAS Viya platform, ensuring its stability and performance. MIDAS swiftly restored operations during a TWS outage affecting ACA systems, demonstrating RELI's commitment to seamless collaboration with partners while conducting an RCA with lessons learned.

1.2 Demonstrated Experience with Relevant Technologies, Architectures, and Tools (SOO 2.2)

RELI's corporate experience with technologies, architectures, and tools overlaps significantly with those referenced in the APS Technical Overview (SOO 2.2) presenting CMS with a skilled team of experts to oversee and maintain this mission-critical program.

- MIDAS: Software: SAS 9.4, SAS VIYA 3.5, EMR 5.36, Databricks, TestRail, Jenkins, Red Hat, TWS, JFrog, Jira, Confluence, Apache Spark, Python, Scala, SQL, Cognos. Cloud Hosting: MySQL, RDS, AWS (RedShift, QuickSight, Security Groups, IAM Roles and Privileges, EC2 instances, EBS Volumes, Workspace, Load balancer, Elastic File System, DNS/ Route 53, Data migration Services, Elastic Kubernetes Services (EKS), Transfer Family (S3/SFTP) & CPM Snapshot), Okta, Java for UI. Data Processing and UI Components: EC2 (Load Balancer), RDS Oracle, Docker, GitHub, CloudBees (Jenkins). Monitoring Reporting Tools: Cloud Watch, Cloud Trail, OCEAN, Splunk, Security Hub, TrendMicro, New Relic, Pager Duty. Security: SonarQube, Fortify, Security Hub

02/29/2024 – CMS RMADA 3 Response to SSN

Perform quantitative and qualitative analyses, as well as financial analysis and forecasting.

CMS MIDAS, 75FCMC22F0001		
PoP & TCV	Contracting Office POC	Contract PM
7/1/23 – 6/30/28 $53,388,765.48	Damon Underwood, 410-786-5790 damon.underwood@cms.hhs.gov	Harjinder Gill harjinder.gill@religroupinc.com
Description of Relevant Services		

Our experts use SAS, Excel, Databricks, Apache Spark, Python, Scala, SQL, Cognos, GitHub for data analysis and reporting—bringing together and analyzing quantitative data such as state-based Marketplace data, Medicaid, enrollments rolled up from private health plans, plan data, and enrollments. More broadly, we provide technical assistance and support to CMS/CCIIO and external stakeholders accessing and using MIDAS data. Team FedPath innovates by developing new algorithms, especially for adding health equity data and related initiatives. We excel in identifying data trends for integration into algorithms and expertly merging complex healthcare data files across varied environments. To ensure data quality we clean diverse data types, including administrative, enrollment, eligibility, plan, and financial data, and lead the creation and distribution of quality assurance plans, data dictionaries, and user guides.

01/22/2024 – CMS - Medicare Advantage Encounter Data Dashboard and Analytics Response to RFI

3. Do you have experience implementing agile analytic projects within the CMS IT environment?

RELI Group provides similar services as a prime contractor on several other projects at CMS including the Multidimensional Information Data Analytics System (MIDAS), Medicare Exclusion Database (MED), and Metadata Management & Data Governance (DM/DG) COTS Software Maintenance and Support Services projects.

6. Do you have experience with CMS Cloud, Snowflake, MicroStrategy, Python, HTML/CSS, Java Script, SAS EBI, source control tools such as Git, GitHub and Agile Methodologies?

On the MIDAS contract, our experts use SAS, Excel, Databricks, Apache Spark, Python, Scala, SQL, Cognos, GitHub for data analysis and reporting—bringing together and analyzing data such as state-based Marketplace data, Medicaid, enrollments rolled up from private health plans, plan data, and enrollments.

Contract Name	Customer Name	Customer POC	Total Contract Value	Period of Performance	Is there a CPARS available?
Multidimensional Information Data Analytics System (MIDAS)	CMS Center for Consumer Informati	Damon Underwood, COR 410-786-5790 damon.underwood@cms.hhs.gov	$53,388,765.48	11/01/22 - 10/31/27	No

	on and Insurance Oversight (CCIIO)				

Description of Services: RELI is responsible for migrating the MIDAS system from the AWS cloud to CMS' AWS Greenfield. The team is tasked with preserving existing databases and algorithms, while concurrently leading the development of new ones, including all foundational data management tasks, such as databases, DevSecOps, and related algorithms and code. We excel in identifying data trends for integration into algorithms and expertly merging complex healthcare data files across varied environments. To ensure data quality we clean diverse data types, including administrative, enrollment, eligibility, plan, and financial data, and lead the creation and distribution of quality assurance plans, data dictionaries, and user guides. RELI innovates by developing new algorithms, especially for adding health equity data and related initiatives like the Unwinding. We continually seek strategies to reduce costs, enhance efficiency, and improve accuracy—while maintaining stringent adherence to privacy regulations, and vigilantly ensuring compliance with federal and state laws governing the maintenance, use, and dissemination of Marketplace, Medicaid, and other healthcare data. This sense of discipline extends to our RELI's agility and readiness for rapid adaptations to unforeseen legislative, security, or technology changes, all while effectively identifying and mitigating risks to contract deliverables.

RELI engineers, software developers, policy, analytic and equity experts manage, use and provide a host of analytic services using advanced tools such as Quicksight, Databricks Notebooks, SAS, Excel, Apache Spark, Python, Scala, SQL, Cognos, GitHub.

11/21/2023 – CMS CDAC

1. Does your company have prior experience integrating with administrative healthcare data systems (e.g., EHRs, claims processing systems, clinical data warehouses etc.)? (potential gap)

Yes: On our CMS Multidimensional Information Data Analytics System (MIDAS) contract, Team RELI is responsible for supporting the development, operations, and maintenance of MIDAS, including managing various large-scale CMS/CCIIO Marketplace data such as Enrollments, Eligibility, Vendors, Qualified Health Plans, Complaints, Risk, and other data. MIDAS is CMS' central data warehouse for all administrative data supporting the Affordable Care Act. This includes enrollment, eligibility, payment, vendor, health plans, risk adjustment, and other administrative data. This data is shared within CMS and with the many industry plans and groups that are part of the ACA public/private healthcare offerings.

2. Does your company have existing partnerships or established working relationships with any regional Health information Exchanges (HIEs) or other major data aggregators?

Yes: Team RELI collaborates with many other Federal, State, and Private sector entities on the CMS MIDAS. The MIDAS contract interfaces with major data aggregators such as the Federally

Facilitated Marketplace (FFM) Data Services Hub (DSH), Health Insurance Oversight System (HIOS), Health Insurance Casework System (HICS), State-based Marketplaces (SBM), Issuer enrollment systems Integrated Marketplace Access System (IMAS), Small Business Health Opportunity Program (SHOP), Enrollment & Payment Store (EPS), External Data Gathering Environment (EDGE).

Team RELI's solutions are actively used for the intake, validation and transformation of healthcare data in several instances, including:

- HEALTHeLINK – HIE for Western New York
- State of Ohio Medicaid – Fiscal Intermediary Function (Data aggregation between the providers and the States's Managed Care Organizations)

Contract Name	Customer Name	Customer POC	Total Contract Value	Period of Performance	Is there a CPARS available?
Multidimensional Information Data Analytics System (MIDAS)	CMS Center for Consumer Information and Insurance Oversight (CCIIO)	Damon Underwood 410-786-5790 damon.underwood@cms.hhs.gov	$53,388,765.48	11/01/22 - 10/31/27	No
Description of Services: RELI is responsible for migrating the MIDAS system from the AWS cloud to CMS' AWS Greenfield. The team is tasked with preserving existing databases and algorithms, while concurrently leading the development of new ones, including all foundational data management tasks, such as databases, DevSecOps, and related algorithms and code. We excel in identifying data trends for integration into algorithms and expertly merging complex healthcare data files across varied environments. To ensure data quality we clean diverse data types, including administrative, enrollment, eligibility, plan, and financial data, and lead the creation and distribution of quality assurance plans, data dictionaries, and user guides. RELI innovates by developing new algorithms, especially for adding health equity data and related initiatives like the Unwinding. We continually seek strategies to reduce costs, enhance efficiency, and improve accuracy—while maintaining stringent adherence to privacy regulations, and vigilantly ensuring compliance with federal and state laws governing the maintenance, use, and dissemination of Marketplace, Medicaid, and other healthcare data. This sense of discipline extends to our RELI's agility and readiness for rapid adaptations to unforeseen legislative, security, or technology changes, all while effectively identifying and mitigating risks to contract deliverables.					

11/10/2023 - USDA National Agricultural Statistical Service (NASS) Secure Enclave Services

Contract Name	Customer Name	Customer POC	Total Contract Value	Period of Performance	Is there a CPARS available?
Multidimensional Insurance Data Analytics System (MIDAS)	Centers for Medicare & Medicaid Services (CMS)	Damon Underwood, COR 410-786-5790, damon.underwood@cms.hhs.gov	$53,388,765.48	11/1/2022 - 10/31/2027	No

Description of Services: MIDAS is the Marketplace's central data warehouse holding a decade of data (~1PB) that has evolved over time with federal regulations and the maturity of the program. RELI is responsible for supporting the development, operations, and maintenance of MIDAS, including managing various large-scale CMS/CCIIO Marketplace data such as Enrollments, Eligibility, Vendors, Qualified Health Plans, Complaints, Risk, and other data.

RELI is responsible for migrating the MIDAS system from the AWS cloud to CMS' AWS Greenfield. The team is tasked with preserving existing databases and algorithms, while concurrently leading the development of new ones, including all foundational data management tasks, such as databases, DevSecOps, and related algorithms and code. We excel in identifying data trends for integration into algorithms and expertly merging complex healthcare data files across varied environments. To ensure data quality we clean diverse data types, including administrative, enrollment, eligibility, plan, and financial data, and lead the creation and distribution of quality assurance plans, data dictionaries, and user guides. RELI innovates by developing new algorithms, especially for adding health equity data and related initiatives like the Unwinding. We continually seek strategies to reduce costs, enhance efficiency, and improve accuracy—while maintaining stringent adherence to privacy regulations, and vigilantly ensuring compliance with federal and state laws governing the maintenance, use, and dissemination of Marketplace, Medicaid, and other healthcare data. This sense of discipline extends to our RELI's agility and readiness for rapid adaptations to unforeseen legislative, security, or technology changes, all while effectively identifying, mitigating, and managing risks to project deliverables.

Our experts use SAS, Excel, Databricks, Apache Spark, Python, Scala, SQL, Cognos, GitHub for data analysis and reporting—bringing together and analyzing data such as state-based Marketplace data, Medicaid, enrollments rolled up from private health plans, plan data, and enrollments. More broadly, we provide technical assistance and support to CMS/CCIIO and external stakeholders accessing and using MIDAS data.

10/24/2023 – CMS - Customer Support Front End System (CSFES) - Sources Sought Notice

Customer & Contract Name	Prime Contractor	Role of Subcontractor	Period of Performance
CMS	RELI Group	Our subcontractors on MIDAS support data analysis, DevOps	6/1/2023 – 6/30/2028

Multidimensional Information Data Analytics System (MIDAS)		engineering, and systems administration.	

Description of Relevant Services: MIDAS is a large complex data warehouse contract valued at $53 Million that has multiple deliverables continuously under development. RELI is responsible for migrating the MIDAS system from the AWS cloud to CMS' AWS Greenfield. The team is tasked with preserving existing databases and algorithms, while concurrently leading the development of new ones, including all foundational data management tasks, such as databases, DevSecOps, and related algorithms and code. We excel in identifying data trends for integration into algorithms and expertly merging complex healthcare data files across varied environments.

To ensure data quality we clean diverse data types, including administrative, enrollment, eligibility, plan, and financial data, and lead the creation and distribution of quality assurance plans, data dictionaries, and user guides. RELI innovates by developing new algorithms, especially for adding health equity data and related initiatives like the Unwinding. We continually seek strategies to reduce costs, enhance efficiency, and improve accuracy—while maintaining stringent adherence to privacy regulations, and vigilantly ensuring compliance with federal and state laws governing the maintenance, use, and dissemination of Marketplace, Medicaid, and other healthcare data. This sense of discipline extends to our RELI's agility and readiness for rapid adaptations to unforeseen legislative, security, or technology changes, all while effectively identifying, mitigating, and managing risks to project deliverables. Our experts use SAS, Excel, Databricks, Apache Spark, Python, Scala, SQL, Cognos, GitHub for data analysis and reporting—bringing together and analyzing data such as state-based Marketplace data, Medicaid, enrollments rolled up from private health plans, plan data, and enrollments.