Peraton

GLOBAL INFORMATION EXCHANGE (GEX) APPLICATION SERVICES

Powering Data Integration Across the Department of Defense

Peraton's Global Exchange Services (GEX) Application Services provides complete software development lifecycle support for business process re-engineering, data intelligence, secure messaging, mediation, and routing capabilities.

GEX APPLICATION SERVICES

GEX Application Services handles all backend data integration with system partners so their application developers can focus on the core mission instead of the complexity of managing data and communications across the Department of Defense (DOD). The system also reduces labor software costs by operating as a shared service. Cost avoidance is achieved through reuse of established service buses, shared licensing, and reduction in the labor costs of system administration and engineering.

Agencies and the DOD attain critical enterprise views of their business process logic and data among hundreds of financial, logistics, human resource, and payment systems. For example, the program processes DOD service's military pay, vendor pay between DOD and Treasury, and all DOD contracts—over 14 million transactions daily and hundreds of millions of transactions each month at Defense Logistics Agency (DLA)-hosted operations.

GEX SUPPORT SERVICES

Experienced with the integration of multiple commercial off-the-shelf software packages, Peraton develops and fields the largest secure business message broker and mediation service application in the DOD. The program's subject matter expertise in DOD Procurement Data Standard (PDS) and Standard Lines of Accounting Service (SLOA) is helping DOD achieve its financial standards and a clean audit.

WEB SERVICE APIs

PDS and Purchase Request Data Standard (PRDS) PreValidation

A synchronous communication channel that validates PDS and PRDS files and sends immediate results prior to final submission.

SLOA PreValidation

A rules engine API that validates the SLOA against the authoritative Standard Financial Information Structure (SFIS) data set and provides real-time acknowledgment results via synchronous web service.

Clause Logic Service

A cloud-hosted, rules-based decision engine for the automated selection of Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS) clauses and provisions to be included in a procurement instrument.

GEX PROVIDES

- Data exchange, business process re-engineering services, and software that securely connects existing customer systems through auditable data standards and processes

- Support for any-to-any data translation including Health Care, X12, and xml, and is routinely used for validation to improve data quality and provide business intelligence (BI)

- The highest level of security for data-in-motion routing between large, complex business applications

- Concurrent handling of hundreds of millions of information sets in hundreds of formats across various systems and agencies. It also provides a complete audit trail for each transaction and payment to ensure financial logistics

- No commingling of information between organizations and their systems unless an information sharing agreement is approved. Thousands of commercial, DOD, and federal government customers and their business systems each maintain unique, secure, configurable data flows

WARFIGHTER OPERATIONS	DOD BUSINESS OPERATIONS	GEX INTEGRATED SERVICES	
Industry (Various Ops)	Enterprise Resource Planning	Manage Data	**MORE THAN**
Movement	Budget Planning	Manage Reference Data	**418M**
Maintenance	Contract Admin	Control Access	**MONTHLY TRANSACTIONS**
Requirement Analysis	Medical & Subsistence	Data Translation & Routing	**10K+ CONNECTIONS**
T&E	Funds Management	Data Standards	**280+ MEDIATIONS**
	Accounting	Secure Communications	
	Travel	Data Security	
	Fuels	Value Added Network Services	
	Inventory Management		
	Disposal Management		
	Logistics		
	Bankruptcy Notification		
	Payment/Disbursement		
	Finance		
	Procurement		
	Human Resources		
	Transportation		
	Receiving		

GEX — SECURE · AUDITABLE · TRACEABLE · RELIABLE · AGILE · SCALABLE

POWERING ENTERPRISE BUSINESS INTELLIGENCE TOOLS

GEX enables real-time financial and procurement data feeds to DOD's ADVANA and Procurement Business Intelligence System (PBIS). It also generates transactional data quality dashboards for all systems utilizing P2P data standards.

P2P HANDSHAKE 2 AUTOMATION

Correlation application and database that automates the P2P Handshake 2 Funds Check through the system between contract writing systems and accounting systems.

AUDIT READINESS

EDI Transformation and Rendered Documents

GEX enables the transmission of real-time, high-volume X12 messages to DLA Document Automation Content Services (DACS) using data translation maps that capture key searchable metadata and convert X12 into user-friendly PDFs for auditors.

Data Validations

GEX validation graphs ensure Handshake data standards—PDS, PRDS, CDS, PAM, PIR, and FIDS—and business rules across the P2P lifecycle are systemically enforced. It also immediately reports validation results to the sending system.

Interface Frameworks

GEX dramatically reduces point-to-point interfaces to process data for Handshake 5 in coordination with the Procurement Integrated Enterprise Environment (PIEE), and Handshake 7 in coordination with Treasury Payment systems.

CONTACT US

To discuss how GEX can help power your organization's data integration, contact us at gex@peraton.com.

Scan to learn about Peraton's cyber capabilities

Peraton