DEFENSE INFORMATION SYSTEMS AGENCY
The IT Combat Support Agency

Forecast to Industry 2017

Networking Technologies

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IE Mission and Vision

Mission

Implement and sustain the global transport, voice, video and data network infrastructure and provide Information superiority to the President, Combatant Commanders, Senior Leadership, Services, Agencies and Warfighters

- **Worldwide staff - 1100+ Civilian, Military, and Contractor**
- **Sustains and optimizes DISN infrastructure at 3500 locations in 26 Nations**
- **Manage terrestrial and undersea transport, satellite and gateways, and Multinational Info Systems**

Vision

World class DoD Information Network (DoDIN) capabilities for our mission partners

DISN Grand Design – Evolution Vision

FY 2023

United In Service

- ✓ Centralized Global Management Framework focused on the warfighter
- ✓ Expanding the Service Portfolio to meet changing mission needs
- ✓ Enhanced situational awareness providing superior cyber security and perimeter protection against threats

Connecting The User

- ✓ Access to Any Data, Any Device, Anywhere
- ✓ Single Point of Entry
- ✓ Global, High Bandwidth Satellite Coverage
- ✓ Encrypted & Protected Data
- ✓ High Bandwidth & Secure Internet and Telephone Network Access

Emerging DISN Services

- ✓ Everything over IP (EoIP) Service
- ✓ High Data Rate Wavelength Service
- ✓ Bandwidth Calendaring
- ✓ On Demand Capacity
- ✓ High Data Rate SATCOM Service
- ✓ Virtualized Network Function Service

Evolving The Network

- ✓ Service layer converged on a common resilient IP core
- ✓ QoS oriented network architecture
- ✓ Auto-provisioning and network function virtualization
- ✓ Resilient & survivable network infrastructure
- ✓ Next generation self-recovering optical transport network
- ✓ Transport layer security via DISN edge-to-edge encryption
- ✓ 400 Gbps link capacity
- ✓ Integrated, automated IP-optical network capacity management

Transport of the Future

From the Foxhole to the Pentagon: Terrestrial – Airborne – Space

DISN OV-1

Internet
DoD Mobile
Using DMUC,DMCC
Mobility
NFG
CAP
IAP
Perimeter
Protection
Commercial Service Providers
Commercial
Ethernet
C, K, Ku, Ka, CML
LEO, MEO, GEO
(Wideband
SATCOM)
SATCOM
Gateway
US User
Deployed Tactical Users
Core Data Center
Enterprise Operations Centers/
JFHQ-DoDIN
JRSS
JPE
CMNT-
CE
Ext Node
MPE Global Nodes
CMNT
Coalition
Non-US
User
US
User
Coalition Partner Networks
DoDIN
NC3
Special Users
SPE
SIPRNET Users
Mission Partner Networks
JWICS
Key
Optical Transport
Gateway/Access Point
Encryption Device
Service Delivery Node

DISN Enterprise Infrastructure and Services

150K+ Multi-National Users
100+ Nations

8 Mobility Gateways

48 Satellite Gateways

12.5TB Backbone

17,000 Circuits

10 Internet Access Points

31 Special Comms. Nations

Non-Classified & Classified Networks

Cyber Security Joint Regional Security Stacks

Commercial Equivalent: $11B IT Profit & Loss in 18 States & 8 Countries with 7600 Civilians & Military & 8000 Sub Contractors

Robust, diverse, resilient, and protected communications and computing environment enabling the warfighter

DISN Technology Refreshes

Access

- ✓ Legacy Elimination
- ✓ Grey Service Implementation
- ✓ Secure Communications IP & Commercial Ethernet Gateway Implementation
- ✓ Low-Speed TDM Elimination

Service Edge

- ✓ MPLS Implementation
- ✓ Classified & Unclassified Router Aggregation Implementation
- ✓ Voice Internet Service Provider Implementation
- ✓ Enterprise Classified & Unclassified Voice & Video Over IP
- ✓ Single Point of Failure Elimination
- ✓ DRSN TDM to IP Implementation

Core

- ✓ Legacy Optical Elimination
- ✓ Next Generation Optical (100G/Packet Based)
- ✓ Timing & Synchronization
- ✓ Transmission Security
- ✓ Software Defined Networking

Network Portfolio

Programs, Services, Support, and Technologies

Terrestrial Transport

- DISN Optical Transport Network (OTN)
- DISA-managed Optical Fiber with IRU leases
- DISN Secret & Unclass Common Data Services (SIPRNet and NIPRNet)
- VPN Services (Private IP, Label Transport, and Private LAN)

Gateways

- DoD Enterprise Travel Kit (DECTK)
- Organizational Messaging Service (OMS) consisting of National /Allied Gateways

Special Services

- Requirements analysis, impact assessments, telecom services and support
- Enterprise DNS Management
- Secret Service Communication and Special
- Events support

Multi-National Information Sharing

- Sustainment and support of coalition networks and capabilities

Globally connecting secured voice-video-data

Senior National Leadership Communications

- Communications for US Defense / National Leadership, allies, and other foreign nations

SATCOM Portfolio

Programs, Services, Support, and Technologies

Gateway & Teleport Programs

- Leading evolution and integration of Enterprise Gateway services
- SATCOM Path diversity & resiliency
- Suite of products & services

AISR/UVDS

- Global AISR transport from UAV to DoDIN
- Centralized location for real time access to ISR FMV
- Web portal services
- Robust, Redundant & Scalable

Digital IF

- Improved SATCOM resiliency & path diversity
- Increased MIL/COM Interoperability

EMSS

- Global Reach Communications
- Phone/Messaging
- Short-Burst-Data (SBD)
- One-way Global Data Broadcast & Paging
- Distributed Tactical Communications System (DTCS)

COMSATCOM Services

- COMSATCOM procurement & leasing
- Enterprise-wide strategic planning & analysis
- Systems Engineering

PATHFINDERS

- **Examining innovative approaches to Enterprise-wide COMSATCOM acquisition and management**

Acquisition Opportunities

Project Title & Description	Program Office	RFP / Projected Award
GSM-Operations (GSM-O) II Operations, Sustainment and Maintenance activities of the DISN/DoDIN	DISA OC IE	Single Award IDIQ Full & Open Competition RFP: 4QFY18 Projected Award: 3QFY19
CTC0290 – American Forces Network (AFN) Global C-band for distribution of AFRTS SatNet and Direct to Sailor television and radio services; Ku-band for distribution of SatNet Direct to Home service in Asia	DISA OC IE	Single Award TBD RFQ/RFP: 1QFY18 Projected Award: 2QFY18
CTC0285 – United States Air Forces Central Command (USAFCENT) Commercial Satellite Bandwidth for Operation Inherit Resolve; 144 MHz Ku - band covering Southwest Asia and Europe	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-54 RFQ: 1QFY18 Projected Award: 3QFY18

Acquisition Opportunities

Project Title & Description	Program Office	RFP / Projected Award
Technology Refresh Replaces equipment with a new or next generation product to avoid issues related to security, software updates and hardware replacement/end of life.	DISA OC IE	Multiple Awards • MPLS • Optical • Timing and Synchronization • Voice over IP • Internet Access • Operational Support Systems
CTC0293 – United States Marine Corps COMSATCOM Services World-wide bandwidth, teleport services, terrestrial backhaul services, host nation support services, bandwidth management, portability	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-54 RFQ/RFP: 1QFY18 Projected Award: 3QFY18
CTC0287 – MQ-1C Grey Eagle COMSATCOM Services Southwest Asia, Afghanistan bandwidth	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-54 RFQ/RFP: 1QFY18 Projected Award: 2QFY18

Acquisition Opportunities

Project Title & Description	Program Office	RFP / Projected Award
CTC0294 – U.S. Army Network Enterprise Technology Command (NETCOM) Pacific Bandwidth 260 MHz with coverage of Japan, Guam, and Korea	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-54 RFQ/RFP: 1QFY18 Projected Award: 2QFY18
CSS0077 – Maritime Services Blanket Purchase Agreement (BPA) Inmarsat L-band and Global Xpress services	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-55 RFQ: 1QFY18 Projected Award: 2QFY18
TBD – Military Sealift Command COMSATCOM Services World-wide bandwidth, teleport, and engineering support services	DISA OC IE	Single Award TBD RFQ/RFP: 1QFY18 Projected Award: 2QFY18

Acquisition Opportunities

Project Title & Description	Program Office	RFP / Projected Award
TBD – Defense Wide Transmission Systems (DWTS) COMSATCOM Network (DCN) World-wide bandwidth, teleport services, terrestrial backhaul services, host nation support services, system engineering, hardware, software	DISA OC IE	Single Award TBD RFQ/RFP: 1QFY18 Projected Award: 3QFY18
CTC0288 – United States Northern Command (USNORTHCOM) Defense Support of Civil Authorities (DSCA) Network Bandwidth, gateway services (including telephone and Internet)	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-55 RFQ: 1QFY18 Projected Award: 2QFY18
CSS0080 – Defense Logistics Agency (DLA) COMSATCOM Services Managed services with teleport service and public internet in each of the coverage areas; coverage includes CONUS, Hawaii, Alaska (south of 65˚N and east of 165˚W), Korea, and Afghanistan	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-55 RFQ: 1QFY18 Projected Award: 2QFY18

Acquisition Opportunities

Project Title & Description	Program Office	RFP / Projected Award
CSS0074 – Aeronautical Services Blanket Purchase Agreement (BPA) Inmarsat L-band and Global Xpress services	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-55 RFQ: 1QFY18 Projected Award: 2QFY18
MNIS Capability Support Services for the Combatant Commands Provide Network Engineering Support for the MNIS Capability for the U.S. Combatant Commands	DISA OC IE	Pending RFP: 1QFY18 Projected Award: 2QFY18
Gateway Consolidated Satellite Systems Re-compete of Gateway Operations Support – Consolidated Satellite Systems Expert (CSSE)	DISA OC IE	GSA Alliant SB (P&S) RFP: 1QFY18 Projected Award: 3QFY18

Acquisition Opportunities

Project Title & Description	Program Office	RFP / Projected Award
CSS0082 – Low Latency, High throughput Ka-Band Satellite Service Blanket Purchase Agreement (BPA)	DISA OC IE	Single Award GSA IT Schedule 70, SIN 132-55 RFQ/RFP: 2QFY18 Projected Award: 3QFY18
Design, Transition and Operation (DTO) Support Services Provide network engineering services to directly support the MNIS PMO in the design, transition and operation of MNIS networks, which directly support U.S. military forces, NATO, and U.S. Coalition members with critical war planning and warfighting capabilities.	DISA OC IE	Pending RFP: 2QFY18 Projected Award: 3QFY18

Acquisition Opportunities

Project Title & Description	Program Office	RFP / Projected Award
EMSS Services Acquisition and Customer Support, Equipment (SACSE) Provides equipment deliverables, repair services, provisioning, record management, and customer care services to DoD & USG users who access the Iridium satellite constellation through the DoD EMSS Gateway.	DISA OC IE	Pending RFP: 2QFY18 Projected Award: 3QFY18
IP Traffic Navigator (ITN) and Traffic Data Analysis Support – Re-compete	DISA OC IE	TBD RFP: 2QFY18 Projected Award: 4QFY18
Network Services Capabilities Center (NS2) UC and Telemetry Engineering Support – Re-compete	DISA OC IE	TBD RFP: 2QFY18 Projected Award: 4QFY18

Acquisition Opportunities

Project Title & Description	Program Office	RFP / Projected Award
DISN Customer Implementation Projects Support – Re-compete	DISA OC IE	TBD RFP: 2QFY18 Projected Award: 4QFY18
GNS PAC Transport Services Provides transport and circuit transition services to DISA PAC customers	DISA OC IE	Full and Open Competition with GNS Vendors only RFP: 2QFY18 Projected Award: 4QFY18
Circuit and Transport Services Bandwidth and network capabilities and services	DISA OC IE	GNS (OCONUS), NS2020 EIS (CONUS) RFP: 2Q-3QFY18 Projected Award: 3Q-4QFY18

How You Can Help

- Provide solutions that evolve DISA (e.g. mobility, virtual networking, cloud)
- Operate and secure the DoD Enterprise
- Ensure a survivable network through full path diversity and self healing networking
- Integrate and use commercial services
  - On demand and capacity services
  - Commercial capability to eliminate/optimize legacy equipment
  - Commercial Ethernet
  - Commercial services for classified
  - Secure use of internet and mobile for access

Budget pressures are not going away

DISA

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UNITED IN SERVICE TO OUR NATION