



# BY LIGHT

## GLOBAL NETWORK SERVICES

OFFERING MISSION CRITICAL VOICE, VIDEO  
& DATA SERVICES WORLDWIDE

*Full-cycle implementation and sustainment of large-scale IT integration, engineering, and operations support across the Global Information Grid*

Our Global Network Services (GNS) division provides technical solutions and implementation expertise to streamline access and end-to-end support for technology refresh, engineering requirements, and rapid planning and implementation of critical technologies. We manage all technology refresh phases from start to fully operational.



### PROGRAM MANAGEMENT

Strategic planning, risk management, acquisition/sustainment planning, strategy & governance, method of procedure (MOP) generation on a global scale



### ENGINEERING

Requirements definition, Installation Bill of Materials (iBOM)/Manufacturing Bill of Materials (mBOM) procurement, site solutions, pre-deployment configuration and hardware staging, and management of Controlled Cryptographic Item (CCI) hardware



### SITE SURVEYS & LOGISTICS SUPPORT

Site preparation, environmental conflict resolution (ECR) initiation and tracking, packaging and kitting of equipment, shipment to installation sites, return merchandise authorization (RMA) processing, documentation for equipment accountability



### IMPLEMENTATION TEST & TURN-UP

Tagging and labeling lines of equipment, configuration and testing of CCI hardware, installation of hardware, software, and materials (e.g. cables, connectors, etc.), end-to-end cutover migration testing and turn-up



### DE-INSTALLATION

Legacy equipment decommissioning and removal



### CONFIGURATION MANAGEMENT & TRANSITION

Quality assurance and control, compliance with site change control requirements, supporting the DoD and the Defense Information Systems Agency (DISA) site requirements, including Civilian Agency change control board, and management processes



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# GNSS SPECS

## GLOBAL RESOURCE POOL

- 250+ Federally cleared engineers and installation technicians with global reach
- Resources dedicated to CONUS/OCONUS

## IT INFRASTRUCTURE AND DATA CENTER MODERNIZATION & OPERATIONS

## IT ENGINEERING & ARCHITECTURE SOLUTIONS

## IT PROCUREMENT SERVICE

- Supply chain risk management and mitigation
- Warehousing
- Staging, logistics, prepping, packaging, and palletizing
- Global shipping

## AUDIO VISUAL SOLUTIONS

- Architecture, design, and engineering solutions
- Implementation, installation, and testing

## ISP INSTALLATION SUPPORT

- Electronic Industries Alliance Standards (EIA)
- Telecommunications Industry Association Standards (TIA)
- Grey work (e.g. subfloor, racks lineup, overhead support, etc.)
- Copper (T1, DS3, GE)
- Fiber (MM OM1-4, SM)
- Grounding, bonding, EGP solutions
- TEMPEST red/black separation

## TRAINED NETWORK SURVEY, DESIGN, ENGINEERING, INSTALL, INTEGRATION, TEST, ACCEPTANCE & TROUBLESHOOTING SUPPORT

- NIPRNet, SIPRNet, and JWICS
- Optical transport, SONET, wavelength, and 100-400G solutions
- Internet protocol and multiprotocol label switching
- Routing and switching
- Crypto and transmission security
- Timing and synchronization and GPS
- Servers and storage

## OSP SOLUTIONS

- Existing infrastructure survey assessments (point-to-point and holistic-based surveys)
- Design, architecture, CADs, base and geographic information systems mapping
- Boring and trenching (utilize our partners)
- Conduit and handhole placement
- Fiber installation
- Splicing
- Testing and troubleshooting

