The PacStar 2020 is the most advanced, capability-rich, modular solution meeting scalable command post requirements in the smallest possible overall form-factor. The PacStar 2020’s extensive utilization of modular COTS equipment is proven in the field and is available for commercial/enterprise and homeland security, disaster recovery and COOP requirements. The PacStar 2020 enables access to multiple simultaneous networks (such as SIPRNet/NIPRNet and Coalition networks) while providing a flexible architecture that supports WIN-T Inc 1, WIN-T Inc 1b or WIN-T Inc 2 compatibility.

Built with Cisco’s high-performance routing, switching and IP-voice/UC technology, along with best-of-breed networking services from other communications leaders, and PacStar IQ-Core® Software, the system can provide baseband connectivity through a variety of backhaul options including VSAT, 3G/4G, LoS broadband, and military satcom programs.

Complemented with a variety of high-port-count customizable enclaves, the PacStar 2020 can scale to large command posts and task forces, yet can be used for smaller deployed operations as well. Consisting of building blocks based on the widely deployed PacStar 2010 and 2011 systems, the PacStar 2020 can be deployed flexibly. PacStar can also customize the solution to meet your requirements.

The PacStar 2020 is managed by PacStar IQ-Core Software, which simplifies system setup, network management and protects the system from mis-configuration by operators in the field.

**KEY CAPABILITIES**
- Compatibility and power for HAIPE devices such as ViaSat KG-250x HAIPE, assumed to be GFE, for applications that require high levels of security in data transmission
- Managed by proven PacStar IQ-Core® Software GUI – enabling setup and operation by lightly trained operators and providing easy-to-use network management for advanced comms specialists
- Proven, worldwide AC auto-switching power conditioner(s) and UPS modules, integrated into each case

**SYSTEM BUILDING BLOCKS**

**PacStar 2010 SNBN Core Module**
Providing converged network services in colorless core or secret-over-unclass network architectures, and also used for routing/switch services in each enclave.
- 1 each Cisco 2951 ISR router, with a Cisco SRE module running Cisco

**Unified Communications Manager (Optional)**
- 1 each Cisco 48 Port 3560 PoE switch
- 1 each DRS 1500 TRM Global UPS

**PacStar 2012 Ancillary Services Case**
Each enclave is can be supplemented with an ancillary services case.
- 1 each PacStar designed tray, with mounting locations for GFE KG-250, KG-250X or customer specified HAIPE, and PacStar 1200 Tactical Computing Platform
- 1 each PacStar 1200 TCP
- 1 each Citrix Branch Repeater VPX (WIN-T Inc 1 – aka WAN Scaler) or Riverbed Virtual Steelhead running under VMWare, on the PacStar 1200 TCP
- 1 each Cisco ASA 5510 Firewall, with IPS
- 1 each DRS 1000 TRM Global UPS
- PacStar-designed fan assembly for equipment cooling
**PacStar 2013 User Access Case**

For end-instrument ports, user access cases are provided to scale the system to meet user count requirements - typical user access cases contain the following equipment, and may be customized as required for more/less Ethernet or analog ports.
- 1 each Cisco VG-224 Analog Telephone Gateway
- 1 each Cisco 3560 PoE Switch
- 1 each DRS 1000 TRM Global UPS
- PacStar-designed fan assembly for equipment cooling

**PacStar IQ-Core® Software**
- Integrated system management software providing a simplified, unified, user interface
- Wizards automate key management functions to simplify setup and operation and to reduce errors
- Reduces training and support requirements
- Enables system management by non-technical users
- Dashboard view of status of the devices, device temperatures, transmission, status of router interfaces, and system events
- Management of devices, including console access and password changes
- Setup and management of LAN and satellite backhaul (transmission)
- Management of device configurations
- System event logging and reporting
- PDF-based user documentation & help

**PHYSICAL SPECIFICATIONS**
- 4U and 6U X 20” deep “ECS-style” composite cases
- Fixed interior frame
- Shock isolation
- PacStar-designed custom steel reinforcement brackets
- PacStar-designed high velocity fan assembly
- Weight: 110-160 lbs.
- All data/console ports accessible on front SEP panel
- Integrated PDU for single power connection for the case

**INTELLECTUAL PROPERTY**

Pacific Star Communications, Inc. products are protected by US patent numbers 7,535,861 7,817,589 and 8,270,325

*Draft specifications subject to change*