Pulsar Solutions Inc.

Satellite Communications Capability Statement

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1. COMPANY OVERVIEW

Pulsar Solutions Inc. ("Pulsar") is a global mobile satellite service (MSS) and managed solutions service provider. In April 2023, Pulsar and its affiliated local companies became independent from the Australian company Pivotel Group Pty Limited, which was originally founded in January 2003. Pulsar has global roaming agreements with each of the two main MSS satellite network operators:Viasat/Inmarsat and Iridium, together with direct service agreements with Globalstar and Starlink. Pulsar's roaming model for MSS allows it to create innovative and differentiated products and services beyond the satellite operators' standard MSS offerings.

Pulsar maintains an extensive global voice and data network, with VOIP and legacy voice switching, messaging and IP data capabilities. Pulsar holds an FCC international reseller license issued by the Federal Communications Commission and meets or exceeds regulatory requirements in each of the jurisdictions in which it operates.

Our investments into satellite technologies have helped us become a leading provider of remote mobility satellite services and solutions to global markets, and industry insiders know us for our unique approach and our strong core values. We benefit from owning and operating our own key technologies, as it allows us to control and optimize the end-to-end experience for our customers. The combination of the Pulsar network with direct connection to major mobile satellite networks including Iridium, Viasat/Inmarsat, Starlink , and Globalstar enables us to offer managed hybrid network solutions, providing our customers with better, faster, and more flexible mobile solutions.

Pulsar (through its predecessor's acquisition of MVS) is a founding Inmarsat Distribution Partner (DP), an Inmarsat Service Provider, a Global Iridium Service Provider (SP), an Accounting Authority and an FCC licensed carrier since 2020 (MVS's 1994 licence was renewed due to the change of company ownership).

Our portfolio of satellite end-to-end solutions includes all Iridium, Inmarsat, and Starlink services, Globalstar data and messaging services, and VSAT services using both Ku/Ka-band frequencies. Pulsar's operations span all mission-critical applications including:

- Land-based applications (fixed and land mobile services)
- Maritime services (on water)
- Aeronautical services (in the air)

These services provide narrowband and broadband communications for critical applications such as:

- Disaster recovery operations
- Remote construction site communications
- Remote voice/video/data services
- SCADA/metering systems
- Emergency response coordination

Our services can be arranged on short notice and service durations are extremely flexible with daily, weekly, monthly and longer terms available.

Pulsar is its own ISP, operating our own global data network, and we are not dependent on others for the acquisition or routing of IP addresses (ARIN and RIPE IP address ranges are available). Pulsar can satisfy its customers' connectivity and hosting needs, while guaranteeing the lowest possible latency in a satellite environment, even when combining access methods from different satellite operators with private leased lines.

We currently serve commercial customers worldwide and partners in various segments of the government (i.e., DoD, Civil, Public Safety, Utilities, etc.), Non-Government Organizations (NGOs), and multiple commercial markets.

2. SERVICE CAPABILITIES

Pulsar holds Globalstar, Iridium and Starlink Tier 1 service provider agreements and an Inmarsat Distribution Partner (DP) agreement for services covering Inmarsat's Broadband Global Area Network BGAN and GX Network operations and services. We own and operate our own data network with major aggregation Points of Presence (PoPs) in:

- North America: Secaucus (New Jersey), Phoenix (Arizona)
- Europe: Amsterdam (Netherlands)
- Asia-Pacific: Sydney (Australia)

We provide a comprehensive range of services including:

- Inmarsat C, M, GAN (M4), Fleet One, Fleet Broadband, Swift Broadband, BGAN
- Iridium voice, data and messaging services, Openport, SBD, PTT and Certus
- Ku and Ka VSAT services
- Starlink enterprise and maritime services

Pulsar is known for its expertise in interconnect networks requiring redundancy and security as an integral part of the architecture and services. Our network architecture supports both mobile satellite services (MSS) and fixed satellite services (FSS). Additionally, our managed services provide clients with complete solutions enhancing security and convenience.

We enable legacy and next generation networks to interwork and to operate over all MSS and FSS services. With our network architecture, we provide the most secure and cost-effective means of voice, data and messaging communications while achieving the highest possible speeds and availability depending on the client application. Our globally redundant network architecture allows for seamless integration of next-generation technology into existing infrastructures. We directly connect to the Iridium and Viasat/Inmarsat MSS networks with physical infrastructure.

Pulsar offers a comprehensive range of MSS communication solutions, including customized solutions that are tailor-made to customers' specifications and requirements.

As a global communications specialist, Pulsar provides a comprehensive array of services at competitive rates including:

- A full Suite of Mobile Satellite Services (MSS) including Globalstar, Viasat/Inmarsat, Iridium, and Starlink
- Mobile, VSAT, and L-band terminals and accessories

- Equipment installation and set up
- Network operation and 24x7 customer support
- Managed Services, consulting services and engineering support

Pulsar provides an array of mobile satellite services at L, Ku and Ka-band frequencies as well as Fixed Satellite Services (FSS) including VSAT services and equipment. Our portfolio of products and services range from narrowband voice and data services to high-speed broadband data used across several vertical markets including maritime, land and aviation. Many of these products and services are ideal for communication needs in isolated areas with minimal or no access to terrestrial networks.

3. SATELLITE AIRTIME SERVICES

Iridium Services

Pulsar has been an Iridium Tier 1 service provider since 2007 and offers the full suite of Iridium services including legacy voice and data services, short burst data (SBD) services, push-to-talk (PTT) services, Openport services, and Certus services. Through Pulsar RedPort brand, we are the established leader in satellite optimized routers and value-added services such as optimized mail, web browsing, file transfer and crew communications. We have product development contracts with Iridium including being the developer of the Iridium mail and web value-added service, and the developer of the Glow device, a maritime terminal for voice, data and messaging.

Inmarsat Services

With a long heritage as an Inmarsat service provider and distribution partner, Pulsar has a comprehensive Inmarsat services portfolio providing voice, video and high-speed data services across the globe. As one of the largest Inmarsat partners in the world, Pulsar offers unique products and solutions for our customers around the globe on air, land, and sea and we have paved the way in mobile to ground communications. With multiple BGAN options including BGAN, BGAN Link, ISAT Link, and GX, we can deploy the most appropriate technology for the mission and application at hand. Many of these products and services are ideal for communication needs in isolated areas with minimal or no access to terrestrial networks.

In addition to the full range of standard Inmarsat services and equipment, we regularly provide customized MSS communication solutions for our clients for applications such as remote monitoring, IoT deployments, and emergency response communications. Pulsar ensures fiber optic delivery of Inmarsat calls to any location around the globe.

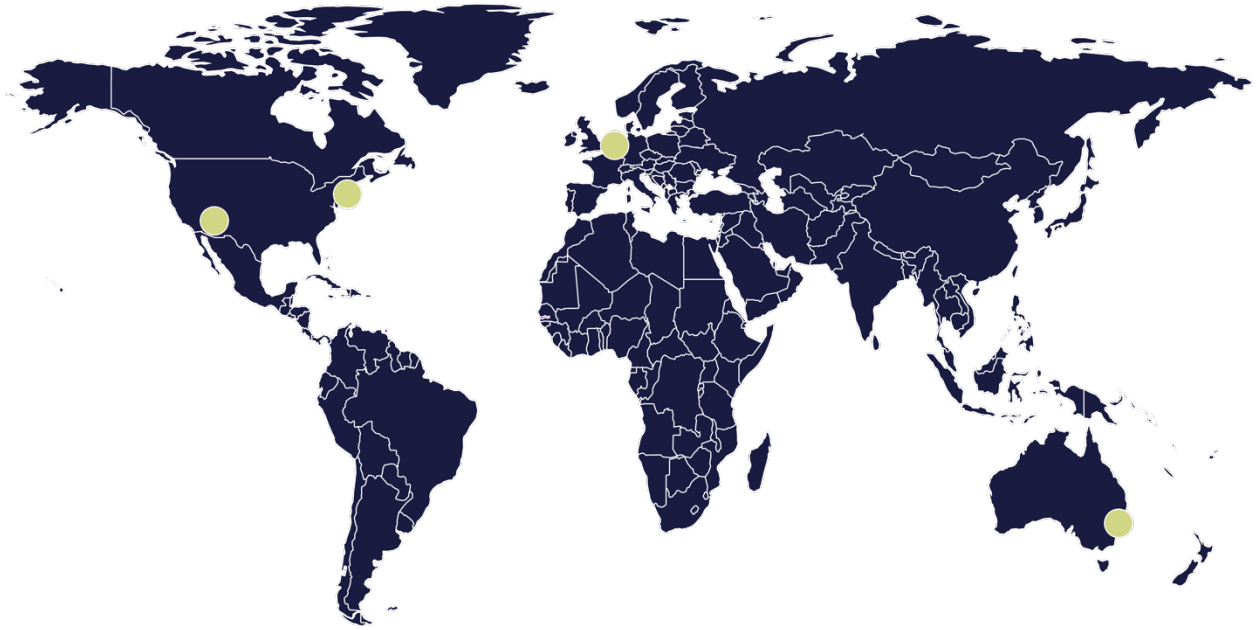
Starlink Services

Pulsar is a globalStarlink authorised reseller offering Starlink enterprise and maritime hardware and services. Our Starlink offerings include high-throughput, low-latency connectivity solutions that complement our traditional satellite services portfolio. We provide end-to-end Starlink implementation including hardware procurement, installation services, and ongoing technical support with service level agreements tailored to enterprise requirements.

Unique Roaming Capabilities

Pulsar can resell services on Viasat/Inmarsat or Iridium using international roaming technology with our own SIM cards. This unique capability allows Pulsar to enhance the customer experience and support innovative product bundling, package pricing and differentiated functionality such as integrated local numbers that support two-way voice and SMS.

4. NETWORK OPERATIONS



The Pulsar network successfully supports the US Military, several friendly foreign militaries, international elections, and private corporate networks. This requires a very high network operational availability of 99.99%, which is a cornerstone of our success. Wherever and whenever redundancy is required to maintain services according to an availability SLA, we do not hesitate to implement the requisite resources including:

The Pulsar network has three aggregation PoPs on different continents:

- North America: Secaucus, New Jersey
- Europe: Amsterdam, The Netherlands
- Asia-Pacific: Sydney, Australia

These PoPs are used for direct physical interconnect with Viasat/Inmarsat and Iridium and with customer networks. We also have other global PoPs used for customer connectivity, and in Phoenix AZ to support Iridium's Certus service.

Each of the Pulsar PoPs has the ability to act as primary or secondary site in the event of emergency. All are interconnected via a redundant MPLS (Multiprotocol Label Switching) network, which connects them to each other, the Viasat/Inmarsat ground stations at Burum, Paumalu, Fucino, Iridium's ground station in Arizona. The MPLS network is supported by separate carriers using separate fiber for high availability and resiliency.

Pulsar has dual interconnect with each core satellite provider: Viasat/Inmarsat and Iridium. This dual interconnect allows Pulsar to work transparently with each satellite operator should their services be migrated from one antenna or POP to another. Each of these operators has redundancy built into their network as follows:

- Iridium: Iridium has two commercial Teleport gateways - one in Arizona and one in Norway. They provide failsafe back-ups to one another. Pulsar is connected to Iridium at the Arizona gateway and at Sydney, Australia, the terrestrial POP is interconnected to the Norway gateway.
- Viasat/Inmarsat: Viasat/Inmarsat has 3 Teleport gateways. One is in Paumalu, Hawaii, one in Burum, Amsterdam and one in Fucino, Italy. The Pulsar network has physical interconnects to each of the 3 Inmarsat Gateways.

Pulsar routinely practices fail-safe routing in the event any single piece of the network configuration fails.

Our 24-hour a day, 7 day a week Network Operations Center (NOC) monitors all elements of our robust, global network infrastructure. Through established processes including issue escalation, our NOC can quickly resolve most problems through close interactions with the customer, satellite operators and other network service providers.

The Pulsar network is managed from Amsterdam, The Netherlands, according to the latest standards and best current practices. Change management and configurations are performed through a combination of automated XML messaging, scripted configuration file creation commit scripts, and manual CLI usage.

Network monitoring is done through standard open-source tools such as Centreon. This system shows data traffic patterns, number of users logged in, equipment uptime, service availability, etc., with an update interval of once per second or faster.

A change control procedure is followed including audits, backup planning, and rollback scenarios. During the last two weeks of December and the first two of January, the network is frozen for one-time changes in order to avoid unforeseen trouble at a time when people are hard to reach.