

# Defense and Intelligence Systems Division

*Your connectivity is our mission*

Hughes is the global leader in broadband satellite technology and services. Our mission is to be the premier global connectivity provider for people, enterprises, and things. The Hughes Defense and Intelligence Systems Division (DISD) tailors innovative satellite communications networking products, systems, and services to meet the various missions of the global defense, military, and intelligence communities.

## Our Solutions

Hughes DISD delivers modular and integrated, open-architecture system solutions that are engineered for mission requirements. Through our own fleet of high-throughput satellites (HTS) and those of our global partners and joint ventures, Hughes enables satellite connectivity in various operational regions for a diverse range of mission applications.

- **Resilient Networks:** Hughes is leveraging multitransport SD-WAN and advanced AI and ML capabilities to redefine hybrid commercial-military SATCOM networking. Hughes is introducing new functionality to help terminals make educated decisions based on what's happening around them and improving interoperability for stronger resiliency and security.
- **Global Connectivity Services:** Global military missions require more broadband connectivity than ever. For operations in regions that lack reliable communications infrastructure, militaries can depend on Hughes for HTS connectivity using a combination of commercial Ka- and Ku-band satellites that cover North and South America as well as parts of Africa and Southwest Asia. In addition, military users can rely on deployable cellular with satellite backhaul, Wi-Fi hotspots, and remote sensor enablement.
- **Mobility:** Hughes HM System employs a commercially-based, open standards architecture, and frequency band-agnostic platform that enables affordable, resilient solutions to meet a wide variety of mobility and portability requirements for government users. The HM System enables multi-megabit BLoS SATCOM solutions for airborne (including UAV and Rotary Wing Aircraft), maritime and land-mobile applications, such as ISR.
- **Advanced Technology:** Hughes has pioneered the use of several groundbreaking technologies based on in-depth R&D, adapting specialized waveforms (LPI/LPD and AJ) and modifying commercial systems to keep users with the most advanced technology to maintain superiority over adversaries.

Leveraging these technology solutions—and Hughes 40+ years of experience in satellite networks and technologies—Hughes brings the best of the satellite industry to the military customer. We adapt our solutions based upon customer operational requirements to improve military readiness, resiliency, and situational awareness.



## Our Leadership in Satellite Networking Worldwide

- **Largest HTS Network over the Americas:** Delivering 400+ Gbps of capacity through 50+ gateways to over one million terminals.
- **Global Partnerships:** Hughes is a trusted partner of Facebook, OneWeb, YahSat, Iridium, GlobalStar, Eutelsat, Intelsat, Inmarsat, and more!
- **Managed Services Provider:** Over 30K SD-WAN global sites managed with optimized, secure broadband transports (cable, fiber, DSL, 4G LTE, and satellite).
- **Industry Leadership:** Active member of standards organizations, such as IEEE, TIA, ETSI, GVF, and 3GPP to develop technical standards for satellite technology, such as satellite standards for 5G and the DVB-S2X standard for satellite transmissions.

