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HONEYWELL, SES AND HUGHES DEMONSTRATE MULTINETWORK AIRBORNE CONNECTIVITY FOR GOVERNMENT CUSTOMERS

Enabled by SES' network of satellites, Honeywell's JetWave MCX terminal delivers high-speed connectivity to meet the toughest requirements of defense and government aircraft operators

PHOENIX, Dec. 20, 2021 — Honeywell (**NASDAQ: HON**), SES and Hughes have successfully demonstrated multinetwork, multiorbit high-speed airborne connectivity for military customers, a technological breakthrough that will enable government and military personnel to communicate between the ground and air more efficiently and securely than ever. [Honeywell's JetWave MCX](#) broadband satellite communication (SATCOM) solution, using an HM-series modem from Hughes Network Systems LLC (Hughes), was paired with SES' medium earth orbit (MEO) high-throughput, low-latency network, and multiple SES geostationary satellites, including the government-dedicated GovSat-1 satellite.

Airborne demonstrations showed that Honeywell's JetWave MCX terminal is compatible with various Ka-band network capabilities and can provide military customers with network resilience that supports primary alternate contingency and emergency (PACE) communication requirements. Additionally, SES' MEO constellation provided both lower latency and fiber-like connectivity during the demo flights, with full duplex data rates of more than 40 megabits per second. This is noteworthy due to government customers' demand for robust uplink, as evidenced by multiple simultaneous HD video feeds.

To achieve additional levels of security, the companies leveraged the military Ka-band government frequencies delivered via the SES GovSat-1 satellite and the software-defined Hughes HM-series modem. These capabilities ensure that today's warfighters have the data they need, when and wherever they need it, including in contested and high-activity environments.

"Honeywell and SES are ensuring that military operators and their warfighters stay connected anytime around the globe," said Steven Williams, vice president, Defense Americas, Honeywell Aerospace. "The ability to give network choices to operators using our agnostic terminal means the customer can choose the best network for the mission and geographic region."

"The SES and Honeywell capabilities showcased during the airborne demonstration are revolutionary for governments as they show how next-generation satellite networks can efficiently support data-intensive government aero capabilities," said Will Tong, vice president of Strategic Government Initiatives and head of the Government Aerospace Market, SES. "By leveraging the open space, ground and waveform architecture of SES' O3b MEO and the secure frequencies of GovSat-1, as well as the network-agnostic MCX terminal, we managed to show impressive throughput while enabling secure sovereign networks for government end users."

"We appreciate the opportunity to collaborate with Honeywell on these critical demonstrations of resilient airborne connectivity using the Hughes HM System across multiple constellations and orbits," said Rick Lober, vice president and general manager, Hughes Defense. "Our equipment and systems integration enabled far greater throughput — ideal for both en-route and air-to-ground applications — and showcased how our low probability of intercept/low probability of detection waveform can enhance the military's PACE planning."

Ready to deploy now, Honeywell JetWave MCX is a dual-polarity, wideband Ka-band satellite terminal that meets the needs of military and other government aircraft for surveillance, defense or humanitarian missions such as search and rescue operations. Honeywell's JetWave MCX terminal enables access to nearly any Ka-band network

and meets the increased needs of the defense operator. It is the SATCOM of choice today for MC-130J airborne mission networking.

SES' unique multiorbit network comprises over 70 GEO and O3b MEO satellites, offering global coverage and high-throughput, low-latency carrier-grade communications service. The company's second-generation MEO system, O3b mPOWER, will deliver unprecedented throughput with increased flexibility to adjust forward and return link data ratios securely. This makes it a game-changer for today's intelligence, surveillance and reconnaissance missions that rely on real-time information exchange and analysis of sensitive mission data. When operational in 2022, O3b mPOWER will be capable of delivering from tens of megabits to multiple gigabits per second to support government applications in any location.

Honeywell's portfolio of SATCOM systems provides operators, passengers and crew members with reliable, consistent connectivity throughout the world. It serves a range of needs, including in-flight connectivity for voice and data streaming in the cockpit and cabin as well as fleet tracking and aircraft management.

About Honeywell

Honeywell (www.honeywell.com) is a Fortune 100 technology company that delivers industry-specific solutions that include aerospace products and services; control technologies for buildings and industry; and performance materials globally. Our technologies help aircraft, buildings, manufacturing plants, supply chains, and workers become more connected to make our world smarter, safer, and more sustainable. For more news and information on Honeywell, please visit www.honeywell.com/newsroom.

About SES

SES has a bold vision to deliver amazing experiences everywhere on earth by distributing the highest quality video content and providing seamless connectivity around the world. As the leader in global content connectivity solutions, SES operates the world's only multi-orbit constellation of satellites with the unique combination of global coverage and high performance, including the commercially-proven, low-latency Medium Earth Orbit O3b system. By leveraging a vast and intelligent, cloud-enabled network, SES is able to deliver high-quality connectivity solutions anywhere on land, at sea or in the air, and is a trusted partner to the world's leading telecommunications companies, mobile network operators, governments, connectivity and cloud service providers, broadcasters, video platform operators and content owners. SES's video network carries over 8,500 channels and has an unparalleled reach of 361 million households, delivering managed media services for both linear and non-linear content. The company is listed on Paris and Luxembourg stock exchanges (Ticker: SESG). Further information is available at: www.ses.com.

About Hughes Network Systems

Hughes Network Systems, LLC (HUGHES), an innovator in satellite and multi-transport technologies and networks for 50 years, provides broadband equipment and services; managed services featuring smart, software-defined networking; and end-to-end network operation for millions of consumers, businesses, governments and communities worldwide. The Hughes flagship Internet service, HughesNet®, connects more than 1.5 million subscribers across the Americas, and the Hughes JUPITER™ System powers Internet access for tens of millions more worldwide. Hughes supplies more than half the global satellite terminal market to leading satellite operators, in-flight service providers, mobile network operators and military customers. A managed network services provider, Hughes supports nearly 500,000 enterprise sites with its HughesON™ portfolio of wired and wireless solutions. Headquartered in Germantown, Maryland, USA, Hughes is owned by EchoStar. To learn more, visit www.hughes.com or follow HughesConnects on Twitter and LinkedIn.