

Cap

AGIS uses Cloud WAN Solutions to provide Assured Communications integrated with StarLink to extend the Range of Communications.

CWS TMMC



To provide assured communications, AGIS utilizes various means including Cloud WAN Solutions' (CWS) Tactical Mesh Multipath Cloud (TMMC) communications system. TMMC provides a Multi-Path Software-Defined Wide Area Network which manages and optimizes network performance by enabling data to simultaneously flow across multiple network paths, such as Tactical Radios, Broadband internet, LTE, 5G Cellular and satellite to ensure high performance and reliability.

The TMMC network administrators can manage and control the

entire network from a Laptop PC simplifying operations and improving visibility into the error rates associated with the different communications. All this is occurring while AGIS' software is checking the data rates and automatically adjusting the data flow to the data links when they are nearing capacity and providing automatic AGIS server fail over when communications to the server are lost.

To increase the range of communications when terrestrial radio communications are not available, CWS TMMC is configured with a Mesh Network to forward the TMMC communications thus greatly increasing the range of the Network and AGIS's ability to provide a full Common Operational Picture along with full duplex voice and video, PTT and various types of data. When the Mesh Network range is not sufficient range, the system automatically shifts to StarLink communications thereby providing worldwide communications. This capability enables AGIS' CJADC2 C5ISR System to operate between the U.S. Combat Commands.

AGIS has used this communications architecture successfully for several years with CWS's TMMC back-packs and most recently was used at Silent Swarm 2024 in Alpena, MI and at Flex24 at Key West, FL to provide interoperability between the USNS Burlington and MARTAC high speed boats. The communications also included AGIS's transmission and MARTAC boat data to ATAK which was then sent to the U.S. Navy's Minotaur system.

The integrated AGIS /CWS TMMC system operated without failure during both the Silent Swarm and Flex24 exercises with everyone netted together, seeing the COP, entering map symbols, attaching data to map systems, placing voice calls, video calls, using PTT and Chat, white boarding, issuing "must respond to commands" and declaring emergencies and creating "must keep out zones".

See a video of some of AGIS' other capabilities here: <https://www.agisinc.com/videos/4-Videos.mp4>

For Additional Information, please contact Cap Beyer at beyerm@agisinc.com or by phone at 561-744-3213

To get the latest version of any of our Thick client apps, go to www.agisinc.com/download. To try our Web client system, go to either www.liferingmilitary.com or www.liferingfirstresponder.com.