

## 2022 DoD Communications Waveform Inventory

Waveform	Waveform Owner	Ownership Type*
466 Extended Rate (466ER)	USAF	Sponsor
Advanced Common Data Link (A-CDL)	USAF	Sponsor
Advanced Digital Data Link (ADDL)	USA	Sponsor
Advanced Extremely High Frequency Extended Data Rate (AEHF XDR)	USSF	Sponsor
Adaptive Networking Wideband Waveform (ANW2C)	USMC	Sponsor
Association of Public-Safety Communications Officials 25 (APCO P25)	USAF	Sponsor
Advanced Special Communications Mode (ASCM)	USSOCOM	Sponsor
Bandwidth Efficient Common Data Link (BE-CDL)	USA	Sponsor
Blue Force Tracking (BFT) - Mounted Mission Command Transport (MMC-T)	USA	Sponsor/Core
Blue Force Tracking/Blue Force Tracking 2	USA	Sponsor/Core
Cooperative Engagement Capability (CEC)	USN	Sponsor
COBRA	USSOCOM	Sponsor
Discovery Common Data Link (D-CDL)	USAF	Sponsor
Distributed Tactical Communication System Netted Iridium (DTCS)	USSF	Sponsor
Enhanced Bandwidth Efficient Modem (EMEM) SATCOM Waveforms	USA	Sponsor
Extremely High Frequency Low Data Rate (EHF LDR)	USSF	Sponsor
Extremely High Frequency Medium Data Rate (EHF MDR)	USSF	Sponsor
High Capacity Line-of-Sight (HCLOS)	USA	Sponsor
High Frequency (HF)	USAF	Sponsor/Core
HF Robust Communications for Challenging Environments (RoCCE)	USN	Sponsor/Core
High Frequency Single-Sideband / Independent Sideband (SSB/ISB)	USAF	Sponsor/Core
HF Single-Sideband / Independent Sideband Automatic Link Establishment (SSB/ISB ALE)	USAF	Sponsor/Core
Highband Networking Waveform (HNW)	USA	Sponsor
HaveQuick I/II (HQ I/II)	USAF	Sponsor
iDirect SATCOM Waveforms (iDirect SATCOM)	USA	Sponsor
Intra-Flight Data Link (IFDL)	USAF	Sponsor
JTRS BOWMAN VHF Waveform (JBW)	USA	Sponsor
Joint Precision Approach Landing System (JPALS)	USN	Sponsor

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited (9 Jun 2022).

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Link 11/TADIL A/B (HF and UHF)	USN	Sponsor
Link 16 TADIL-J and Advanced Capabilities	USN	Lead Service/Core
Link 16 Version 6.03	USN	Lead Service/Core
Link 22 NATO Improved L-11 (NILE)	USN	Sponsor
Link 4A TADL C	USN	Sponsor
Linkway SATCOM Waveforms	USA	Sponsor
Multifunctional Advanced Data Link (MADL)	USAF	Sponsor/Core
Multifunctional Advanced Data Link Block 4	USAF	Sponsor/Core
MPU5 L and S Band Waveform	USA	Sponsor
Mobile User Objective System (MUOS) Common Air Interface Version 3.1.5.3	USN	Sponsor/Core
Mobile User Objective System Common Air Interface Version 3.2	USN	Sponsor/Core
Network Common Data Link (N-CDL)	USAF	Sponsor
Network Centric Waveform (NCW) v10.x	USA	Sponsor
Protected Tactical Waveform (PTW) - ICD v1.4	USSF	Lead Service/Core
Situational Awareness Data Link / Enhanced Position Location Reporting System (SADL/EPLRS)	USAF	Sponsor/Core
Second Generation Anti Jam Tactical UHF Radio for NATO (SATURN)	USAF	Sponsor/Core
Second Generation Anti Jam Tactical UHF Radio for NATO US Special Edition 4	USAF	Sponsor/Core
Secure 4G/LTE Specifications	USA	Sponsor
Secure WiFi Specifications	USA	Sponsor
Silvus StreamCaster Waveform	USA	Sponsor
Single Channel Ground and Airborne Radio System (SINCGARS) Version 2	USA	Lead Service/Core
Single Channel Ground and Airborne Radio System (SINCGARS) Version 3	USA	Lead Service/Core
Single Channel Ground and Airborne Radio System (SINCGARS) Version 3.1	USA	Lead Service/Core
Special Mode 'A' (SMA) Specifications	USN	Lead Service
Soldier Radio Waveform (SRW)	USA	Sponsor
Standard Commercial Data Link (STD-CDL) Revision K	USAF	Sponsor
Small Unmanned Airborne Systems Digital Data Link Specifications (SUAS DDL)	USA	Sponsor
Tactical Specifications	USAF	Sponsor
Troposcatter Transmission Specifications (TROPO)	USA	Sponsor

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Tactical Scalable MANET Waveform (TSM)	USA	Lead Service/Core
Tactical Targeting Networking Technology (TTNT) Version 1.3.4.4	USN	Sponsor/Core
Ultra High Frequency Demand Assigned Multiple Access SATCOM (UHF SATCOM DAMA)	USN	Sponsor/Core
UHF SATCOM (Non-DAMA)	USN	Sponsor/Core
UHF SATCOM (non-DAMA)(DAMA)(IW)	USN	Sponsor/Core
VHF-FM PSK VMF	USA	Sponsor
Very Low Frequency/Low Frequency (VLF/LF)	USN	Sponsor
VORTEX Native Waveform (VNW)	USAF	Sponsor
Very High Frequency/Ultra High Frequency Line of Sight (VULOS)	USAF	Sponsor
Wideband Networking Waveform (WNW)	USA	Sponsor
Warrior Robust Enhanced Network (WREN)	USA	Lead Service/Core

\*Definitions and Responsibilities for Lead Service, Sponsor, and Core Waveform can be found in DoD Instruction 4630.09, "Communications Waveform Management and Standardization, November 23, 2020