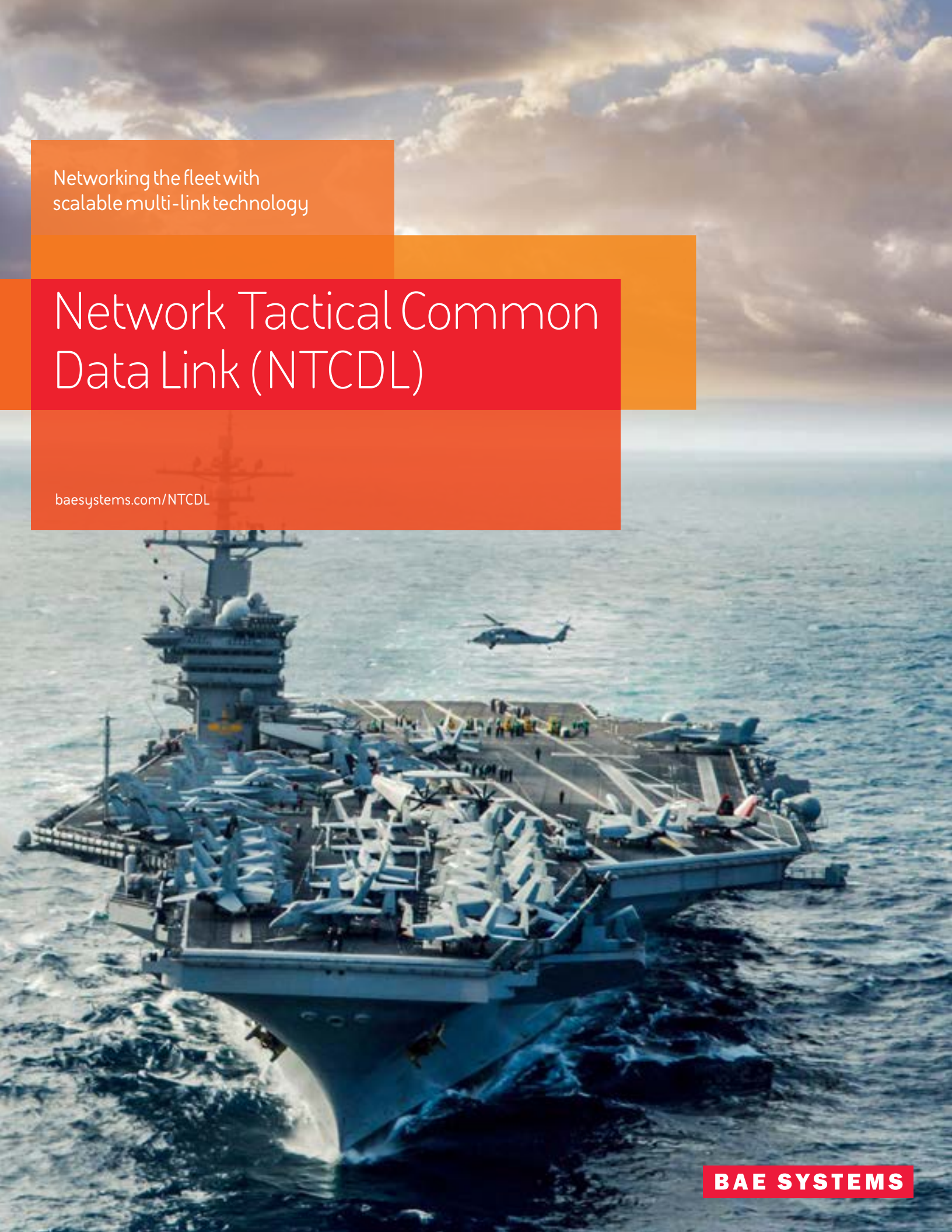


Networking the fleet with
scalable multi-link technology

Network Tactical Common Data Link (NTCDL)

baesystems.com/NTCDL

BAE SYSTEMS

Wideband interoperability

BAE Systems' NTCDL enhances the Navy's situational awareness and tactical battlefield advantage through a real-time exchange of voice, data, imagery, and full-motion video from a variety of sources. With NTCDL, warfighters will be able to support multiple, simultaneous networked operations using currently fielded Common Data Link (CDL) equipment.

Network Tactical Common Data Link (NTCDL)

In development for the U.S. Navy fleet

Our NTCDL system will provide CDL communication links that allow large and critical intelligence, surveillance, reconnaissance (ISR) data from multiple sources to be shared across platforms and networks. This system enhances current mission capabilities and ship protection while creating a pathway to future sensor networks.

NTCDL provides the transport mechanism for digital information exchanges to air warfighting elements and enables connectivity to civil and national authorities (e.g., disaster relief missions).

NTCDL facilitates operations, wherein the data link will enable the warfighter to share ISR information, forming a coordinated force.

Strong legacy wideband data link systems

- Prototype multi-link critical technologies were demonstrated prior to entering into the NTCDL EDM program.
- NTCDL radio terminal subsystem is based on BAE Systems' 5th generation software-defined CDL modems, which use the latest processor technology.

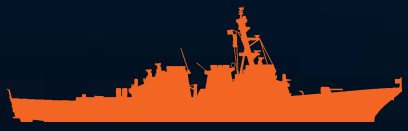
NTCDL family of shipboard terminal variants

Scalable architecture allows commonality across the U.S. Navy fleet

CVN

LHD, LHA

FFG



DDG

Benefits:

- Multi-link CDL surface terminal meets U.S. Navy's ever-expanding C4ISR and high tempo concept of operations.
- Our scalable, modular open system architecture provides fleet-wide deployment across multiple ship classes.
- Software-defined programmable CDL radios.
- COTS network switch fabric provides flexible antenna switching for enhanced RF link performance.

Modes and capabilities:

- Performs multi-mode acquisition enabled by rapid electronically-steered phased arrays.
- The system is undergoing Type 1 certification using multi-channel NSA modernized crypto.
- NTCDL includes a multi-link control system with resource management.
- Interfaces to a government-developed link management subsystem for complete operator control and maintenance functions.
- NTCDL system is delivered with server, router and network switch equipment to enable connection to shipboard LANs for C4ISR applications .

For more information
BAE Systems
baesystems.com/NTCDL

CS-20-B30