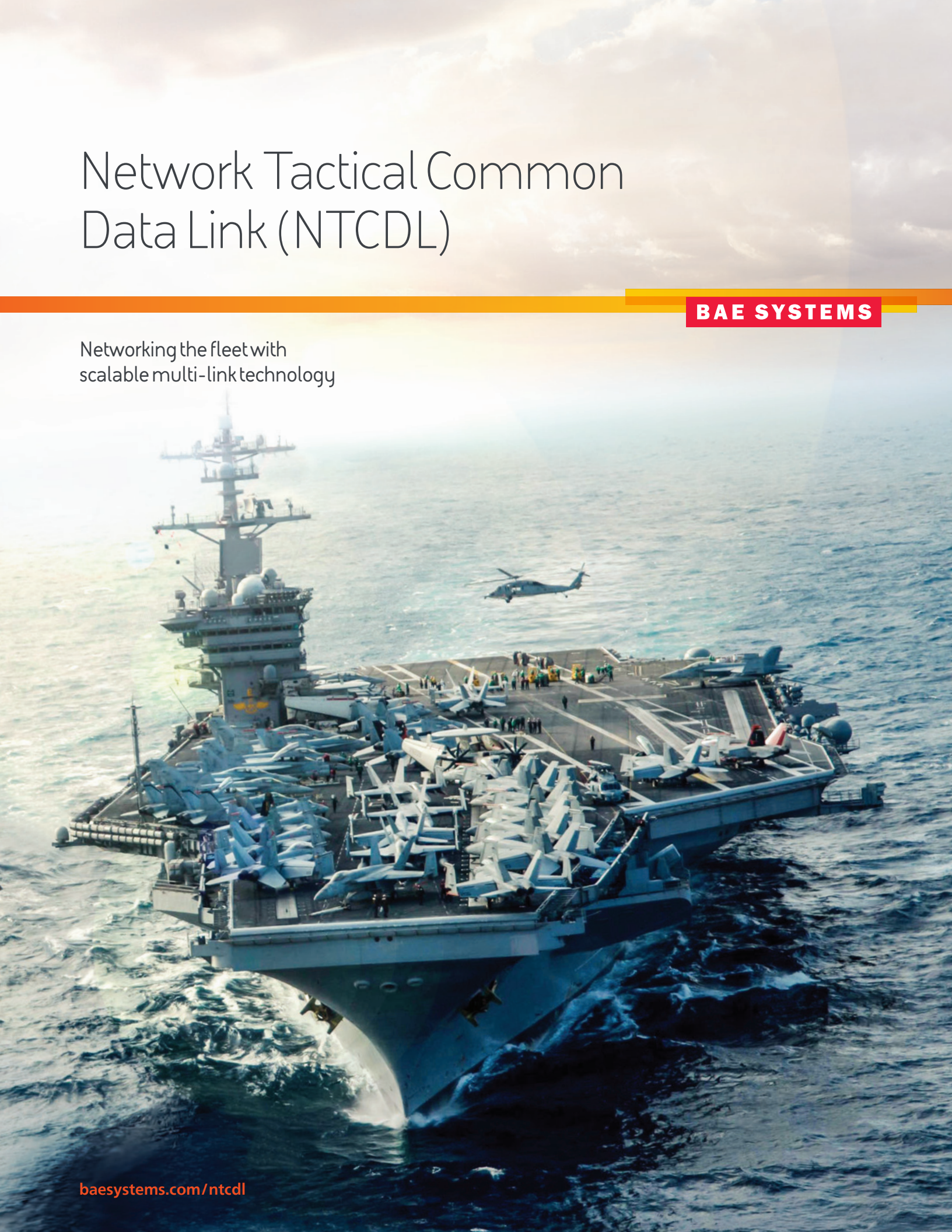
Network Tactical Common Data Link (NTCDL)

BAE SYSTEMS

Networking the fleet with
scalable multi-link technology



baesystems.com/ntcdl

Wideband interoperability

BAE Systems' NTCDL provides a decisive information advantage by allowing users to share a wide spectrum of data efficiently between different platforms. 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 provides CDL communication links that allow large and critical intelligence, surveillance, reconnaissance (ISR) data from multiple sources 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

- The foundational multi-link technology for the NTCDL system was successfully validated in a series of risk-reduction efforts before formal development began.
- The NTCDL system is built with BAE Systems' most advanced technology. It uses a flexible, software-based radio and powerful computer chips to ensure it stays current and effective.

NTCDL family of shipboard terminal variants

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



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 NSA Certified.
- 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.
- The NTCDL solution includes all necessary components to allow seamless data exchange between user networks



For more information
BAE Systems
baesystems.com/ntcdl

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