thinklogical®
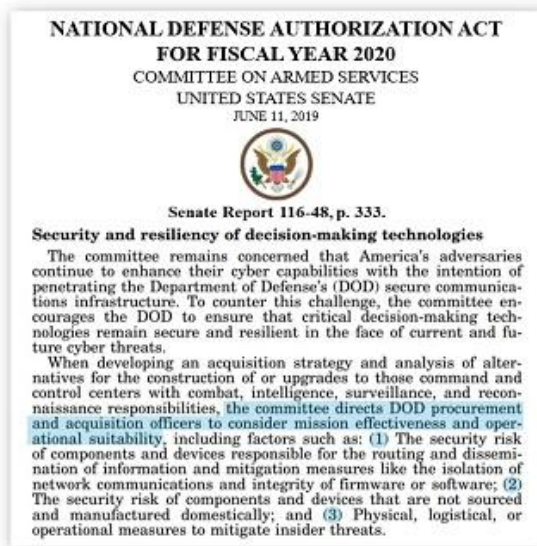
A **BELDEN** BRAND

SENATE NDAA DIRECTS BUYING SECURE C2 TECHNOLOGIES
MISSION EFFECTIVENESS: Thinklogical Supports Key Requirements

NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2020
COMMITTEE ON ARMED SERVICES
UNITED STATES SENATE
JUNE 11, 2019

Senate Report 116-48, p. 333.
Security and resiliency of decision-making technologies

The committee remains concerned that America's adversaries continue to enhance their cyber capabilities with the intention of penetrating the Department of Defense's (DOD) secure communications infrastructure. To counter this challenge, the committee encourages the DOD to ensure that critical decision-making technologies remain secure and resilient in the face of current and future cyber threats.

When developing an acquisition strategy and analysis of alternatives for the construction of or upgrades to those command and control centers with combat, intelligence, surveillance, and reconnaissance responsibilities, the committee directs DOD procurement and acquisition officers to consider mission effectiveness and operational suitability, including factors such as: (1) The security risk of components and devices responsible for the routing and dissemination of information and mitigation measures like the isolation of network communications and integrity of firmware or software; (2) The security risk of components and devices that are not sourced and manufactured domestically; and (3) Physical, logistical, or operational measures to mitigate insider threats.

Thinklogical fulfills this congressional mandate regarding the **Security and resiliency of decision-making technologies:**

(1)
- Thinklogical utilizes a proprietary, non-IP (Internet Protocol) based architecture for **end-to-end data signal isolation** providing enhanced security over any other system.
- Thinklogical **securely distributes multiple classification information** in a manner that provides authorized users instant situational awareness, for seamless collaboration and faster decision-making.
- Thinklogical's architecture does not permit data streams to flow through its **isolated control system,** and therefore access to software will not reveal any of the data being transmitted.

(2)
- Thinklogical's **ISO certified supply chain procedures** include Counterfeit Parts Prevention Protection based on the SAE5553 standard. We only use components from US-based, certified ISO 9001 distributors.
- Thinklogical systems are **engineered and manufactured in the USA.**

(3)
- Thinklogical enables **physical separation** of critical data sources, allowing them and their networks to be secured outside the operations area and making them significantly less vulnerable to insider threats.
- Operationally, Thinklogical can restrict access to devices, such as USB drives, to **prevent the download of information** or injection of malware. We can also configure **user-access restrictions,** implemented in secure firmware.

Recently, the Senate approved its version of the National Defense Authorization Act (NDAA) for Fiscal Year 2020, which authorizes funding for the U.S. military to modernize weapons and provides policy direction for next-generation capabilities.

Olivier Bojarski
President, Thinklogical

This congressional mandate includes elements specific to command and control (C2) in order to ensure that these critical decision-making technologies remain secure and resilient against threats, enhance mission effectiveness, and improve cyber security.

We believe that Thinklogical's IA-accredited and "Made in the U.S.A." signal management solution meets the requirements for C2 systems in the NDAA -- line by line -- better than any competitive offering.

The attached infographic outlines our capabilities supporting the NDAA directives. Contact us to learn more. **READ SENATE NDAA...**

DODIIS & DSEI 2019

SAVE THE DATE : Supporting the Defense & Intelligence Community

This August, we will be exhibiting at DoDIIS 2019, which brings together experts from government, military, industry and academia to tackle IT challenges and complexities impacting the mission user. Stop by booth 918 to learn how to securely manage multiple classifications of information through one system. **LEARN MORE...**

In September, we will bring our experts to DSEI 2019 in London, which connects government, national armed forces, industry thought leaders and the global defense and security supply chain on an unrivaled scale. It's a great opportunity for the DSEI community to innovate, share knowledge, discover and experience the latest capabilities across the Aerospace, Land, Naval, Security and joint domains. Join us at stand N4-422 (rendering above) for a hands-on demonstration of the latest signal management technology for command and control applications. **LEARN MORE...**

Michael Sellers
Director, Federal
Solutions - IC

Kevin Hadley
Sales Director, UK

IS YOUR SHIP SAFE FROM CYBER ATTACKS?

SHIPYARDS, PRIME CONTRACTORS : Mitigate External and Internal Threats

With the recent cyber-attack that hit a U.S. Coast Guard ship heading into New York back in February, it's important that shipbuilders and contractors proactively protect their vessel programs against potential attacks. Thinklogical offers a next-generation fiber-optic ship's bridge and combat information center (CIC) infrastructure that is TEMPEST certified for low emanations, with network isolation providing enhanced cyber security ensuring external (or internal) perpetrators are unable to compromise the system. **READ ARTICLE...**

Charlie Rizzo
Director, Federal Solutions

PRODUCT HIGHLIGHT: INTEGRATED CLIENT TRANSMITTER

SAVE RACK SPACE : The All-In-One Solution for Extending VDI and Remote Computing

The award-winning Integrated Client Transmitter helps organizations streamline virtual desktop (VDI) and remote computing infrastructures and save money. The module provides a full-featured Intel i5 or i7 processor combined with a high-performance KVM extender transmitter, eliminating the need for a separate client device or PC in extended computing installations. The module's processor acts as a zero client, thin client, or full-featured "thick client" and can host any supported VDI client software or PC operating system including those produced by VMware®, Citrix®, Microsoft® and others. It is also compatible with many third-party accredited software images.

This compact, all-in-one unit allows you to remove vulnerable computing resources from the desktop or workspace by simplifying back-racking of PCs and VDI clients and extending them to the user via a Thinklogical fiber optic KVM and matrix switching system. This increases system security and reduces IT complexity and cost, while using 50-80% less deployed rack space than traditional configurations.

Also available is the Integrated Client Transmitter for Amulet Hotkey, which combines a fiber-optic KVM extender with the Amulet Hotkey DXR-Z4 zero client, based on the Tera2 PCoIP chipset. Together, Amulet Hotkey and Thinklogical enable the only NATO certified, multi-domain extension and switching solution that supports the Teradici PCoIP architecture. When deployed together, users can now achieve an end-to-end, Information Assurance (IA) accredited video distribution infrastructure while benefiting from a 50-80% reduction in deployed rack space. **LEARN MORE...**

**Mitch
Hillsberg**
Director,
Engineering

Chris Salustri
Director,
Engineering

2019 EVENTS
JOIN US : On the Road

Save the date and join us as we take our products, solutions and experts on the road.

We'll be bringing our latest secure signal management innovations to each of our shows.

Schedule a one-on-one meeting.

Patch Barracks/USEUCOM - July 22, 2019 - Germany

USAG Bavaria/Grafenwoehr - July 24, 2019 - Germany

Kelley Barracks/USAFRICOM - July 25, 2019 - Germany

USAG Wiesbaden/Clay Kaserne - July 26, 2019 - Germany

DoDIIS - August 18-21, 2019 - Tampa, FL

AFCEA TechNet Augusta - August 19-23, 2019 - Augusta, GA

Multi-Domain Battle Management - August 21-23, 2019 - Washington, D.C.

Surface Navy Association - August 22, 2019 - San Diego, CA

SENEDIA Defense Innovation Days - August 26-28, 2019 - Newport, RI

MSPO - September 3-6, 2019 - Kielce, Poland

DSEI UK - September 10-13, 2019 - London, UK

Bob Ventresca

Vice President, Marketing

We are here to help you..

Have a project? Work with a Thinker.

GET IN TOUCH

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