



# Government Grade Network Security

Secure Network Solutions providing end-to-end IP network protection to ensure the integrity, confidentiality and availability of your data, assets and infrastructure.



## One step ahead of the cyber threat

L-3 TRL has over a decade of experience in developing and supporting sophisticated IP encryption devices, helping to defend against the cyber threat. With award-winning products, L-3 TRL's CATAPAN developments remain at the forefront of many sensitive and highly classified government networks.

We have enjoyed long-standing relationships with UK Government agencies and commercial service providers through supporting their wide ranging network architectures, providing real-time effective assistance in the safety critical area of Cyber Defence.

## Encryption for a changing world

In today's world where technology is developing on an almost daily basis, the use of public networks to communicate is a vital component of business, creating an infrastructure whereby sensitive and highly confidential information can be sent and received from anywhere in the world.

This growing global communication network has revolutionised the way governments, enterprises and businesses operate, allowing seamless secure transfer of the most sensitive information. When sensitive data is received at exactly the right time, decision makers remain one step ahead of the threats.

Whilst the commercial world has driven forward rapid advances in information technology, the security needed to protect our information has been unable to deliver to the same level without impacting network performance.

Emerging as the most important battleground of the information age, public and government networks around the globe are being attacked frequently and aggressively by anyone from state sponsored terrorists to political hacktivists.

A more sophisticated solution to protect our networks demanded, one which anticipates threats and adapts appropriately without inhibiting the availability of this vital information medium.

CATAPAN Government Grade encryption solutions continue to be the most reliable defence against these evolving threats, assuring the end-to-end protection of voice, video and data across public networks. This ensures the integrity and confidentiality of the most sensitive information with no impact on its availability.





## A crypto for every scenario

CATAPAN encryption solutions continue to lead the market in the protection of SECRET (S) and TOP SECRET (TS) information whilst in transit. From single point encryption to multi-location network protection, there is a solution available to match every scenario.

From high speed strategic deployment to tactical or secure home working, the CATAPAN family of solutions provide agile network security with the

flexibility to adapt to future needs, including the updating of legacy secure voice systems and the growing requirement for mobile solutions.

Where there are bespoke requirements, CATAPAN can be embedded into systems, creating an enhanced capability designed to work across a multitude of platforms.

## Secure Remote & Mobile Solutions

L-3 TRL understands the need for securing infrastructures where fixed and mobile deployments have disparate requirements whilst still needing to be interoperable. All CATAPAN encryption devices are fully interoperable with the Secure Communication System (SCS) range of secure multi-bearer communication hubs for mobile environments.

Each SCS device allows users to select units based on cost, performance or load balance across multiple communication bearers based on operational requirements.

Additional devices can provide concurrent red and black network connectivity for simultaneous communications, ideal for fixed or field deployed strategic headquarters.

With seamless connectivity to 3G, 4G, Wi-Fi, ADSL and satellite, the SCS family sits alongside the CATAPAN range to provide mobile and deployed teams with the secure infrastructure needed to stay one step ahead of the emerging cyber threat.

# Business Space and Battle Space

## The changing information security landscape

From high-tempo operations to contingent exercises, coupled with the need to be more joined up with OGD's, the requirement to share information quickly, securely and without threat of compromise is essential for those organisations tasked with protecting our national security.

Hardware encryption remains the most reliable form of information security for any organisation with a requirement to protect data, assets and infrastructure.

The CATAPAN family of solutions from L-3 TRL offers a fully integrated, interoperable range of solutions to provide reliable and secure High Grade encryption for every type of scenario, from in-theatre operations to cross-government communications.

Where there are ongoing requirements for increased capabilities and improvements to legacy systems, CATAPAN provides a total solution which can deliver incremental improvements whilst flexing for future needs.





## Seamless PRIME transition

The PRIME encryption standard was implemented to standardise network encryption devices used by UK Government to protect its communications. This standardisation ensures the interoperability of multiple devices, allowing government departments to create secure networks solutions using a range of CATAPAN products.

As the first to market for PRIME certified crypto devices, L-3 TRL's experience in the migration of legacy standards to PRIME enables a smooth transition. This results in an easier deployment into your infrastructure, reducing the impact of downtime and disruption to current legacy systems.

## CATAPAN bespoke solutions

As the challenges facing UK organisations develop and evolve, bespoke or customised solutions are increasingly needed. Our CATAPAN technology can be embedded within other platforms to provide a wider range of network security for specialised requirements, customer specific applications and existing infrastructure. This enables secure communications to be achieved across a whole host of environments.

L-3 TRL ensures that all CATAPAN solutions meet your organisations needs and are implemented in a way that fits with your unique operational environment.

Our wealth of technological knowledge and expertise means we are able to offer a unique design service that considers future technological developments, providing a long-term, economical solution and optimum network performance with the highest levels of assurance.

## Working in Partnership

Throughout our 30+ years of working in the field of Government Grade network security, we have developed strong partnerships with a range of industry organisations. Increasingly, these organisations are identifying L-3 TRL as a key partner for collaboration, developing new products or improving existing capabilities to gain a competitive advantage.

From SME's to multi-national organisations, L-3 TRL work with a host of companies to offer solutions which both extend and enhance the capabilities of the CATAPAN portfolio. The strength of these partnerships and the solutions we jointly create ensures continual support for the UK's cyber security strategy.

CATAPAN is a registered trademark of TRL Technology Ltd. All L-3 TRL systems incorporate classified technology and are subject to strict export regulations. Selected information will only be disclosed to authorised personnel and organisations upon enquiry.



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