

Press release

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infodas SDoT solution for the cyber resilience of ships is the world's first software-defined data diode to receive the prestigious Bureau Veritas certification

Cologne. INFODAS GmbH, a leading company in the field of cybersecurity solutions, has been awarded the type approval certificate for the SDoT Data Diode by Bureau Veritas (BV), a world leader in testing, inspection, and certification. It's the world's first software-defined data diode, achieving certification in compliance with the UR E27 standards of the International Association of Classification Societies (IACS). infodas is taking a decisive step towards improving cyber resilience in the maritime sector.

The SDoT solution forms a logical separation of networks with a secure return channel, thanks to its unique and evaluated security architecture, which can effectively prevent side-channel attacks. It enables fast and high-performance unidirectional data transfer via numerous protocols in a compact form factor between security zones, such as OT/IT, navigation systems, cargo management systems and many others. The use of the infodas SDoT Data Diode enables ships to achieve a higher cybersecurity classification notation according to Bureau Veritas NR659 rules.

IACS new UR E26 "cyber resilience of ships" and UR E27 "cyber resilience of on-board systems and equipment" will enter into force on July 1st 2024 and will establish themselves as unanimously recognized standards in response to the escalating cyber threats in the maritime sector. This type approval is the first of its kind granted to a software-defined data diode by Bureau Veritas, in compliance with IACS UR E27 requirements and BV NR659 rules. The high-level certification encompasses structured and rigorous procedures for the approval of cybersecurity components. It not only validates the effectiveness of software-defined cross-domain solutions in securing robust information, but also positions them as a convincing alternative to hardware-based data diodes, offering high performance, usability and flexibility.

Managers and stakeholders in the shipping industry are compelled to adapt to the latest standards for protecting their digital infrastructures to counteract the rapid pace of development. With the implementation of the infodas SDoT Data Diode, maritime operators are able to upgrade their IT infrastructure without extensive efforts, while gaining access to a notably faster, more flexible solution, resulting in substantial cost savings.

"For more than a decade, INFODAS GmbH is a pioneer in the field of software-defined cross-domain solutions. We are particularly proud of the Bureau Veritas certification and see it as confirmation of our consistent work and development. With this globally recognized certification we guarantee the highest security standards for maritime and civil shipping and contribute to the necessary improvement in



cybersecurity. We have succeeded in transferring the SDoT Data Diode solution from the military market to the maritime sector, thereby providing a strengthening and safeguarding of the global economy", says Dr Fulvio Arreghini, Head of Global Business at infodas.



"We are particularly pleased every time we have an opportunity to grant an UR E27 certification to an equipment which goal is to enhance cybersecurity on board vessels. This rich and dense cooperation between infodas and BV cybersecurity experts is a perfect illustration of what UR E26 and UR E27 bring to the maritime industry now and for the years to come. The maritime sector can now rely on cybersecurity standards which pave the way for more discussions on cyber resilience between yards, owners, suppliers and Class Societies", says Paul Delouche, Strategy, Acquisitions, and Advanced Services Director at Bureau Veritas Marine & Offshore.

About infodas

INFODAS GmbH was founded in 1974 and is one of the leading solution providers for cyber and information security in Germany. The medium-sized system house supports and advises companies, public authorities and the military with services in the design and implementation of comprehensive

approaches to cyber and information security and the protection of IT infrastructures. The company also develops high-security products for Cross Domain Solutions and the protection of critical infrastructures. The infodas SDoT product family is approved for the classification levels GEHEIM, EU SECRET and NATO



SECRET. The products are also certified in accordance with Common Criteria and have other country-specific certificates. Alongside its headquarter in Cologne, the company also has offices in Berlin, Bonn, Hamburg, Munich and Mainz.

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About Bureau Veritas

Bureau Veritas is a world leader in inspection, certification, and laboratory testing services with a powerful purpose: to shape a world of trust by ensuring responsible progress.

With a vision to be the preferred partner for customers' excellence and sustainability, the company innovates to help them navigate change.

Created in 1828, Bureau Veritas' 83,000 employees deliver services in 140 countries. The company's technical experts support customers to address challenges in quality, health and safety, environmental protection, and sustainability.

Bureau Veritas is listed on Euronext Paris and belongs to the CAC 40 ESG, CAC Next 20, SBF 120 indices and is part of the CAC SBT 1.5° index. Compartment A, ISIN code FR 0006174348, stock symbol: BVI.

