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TCCA Critical Update Webinar

14th June 2023 | 09:30 – 10:30 CEST – [Register here](#)

New Additional TETRA Security Algorithms

Presented by:



Harald Ludwig, Managing Director, Arico Technologies and Chairman, TCCA Technical Forum.

Harald Ludwig is the chairman of TCCA's Technical Forum, active in global mission critical broadband testing and certification initiatives, e.g. with the Global Certification Forum (GCF) or as Technical Expert for the MCX and FRMCS Plugtests. He is involved in international mission critical broadband research projects like MCOP (mission critical open platform), MCS-TaaSting (mission critical conformance tester), or the BroadWay project.

Harald holds a communications engineering degree from the Vienna University of Technology and is the founder and managing director of Arico Technologies, a company offering consultancy, training and project management services for the professional mobile radio industry. He has more than 25 years of experience in the professional mobile radio industry and with mission- and safety-critical systems. His expertise covers the fields of system and application design, test and integration, tender specifications writing and bid evaluation, training, international standardisation, interoperability and conformance testing and command and control systems.



Francesco Pasquali, TCCA Board Member, Chair of TCCA's TETRA Industry Group.

Francesco has been working for Leonardo since 1997, always involved in the Professional Mobile Radio business and in particular TETRA Strategy, Product Management and Marketing.

After many years of activities on TETRA standardisation in ETSI and even longer contribution to TCCA Interoperability Certification activities as one of its pioneers, Francesco has been sitting on TCCA's Board as one of the Directors since 2006.

In April 2018 Francesco was also appointed as Chair of TCCA's TETRA Industry Group, driving the TETRA Industry Community on common marketing efforts in support of the TETRA standard and its updates to ensure it can maintain its outstanding level of performance and security for many years to come.



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Clive Rodmell, Senior Specialist, Product Strategy, Sepura.

Clive Rodmell has been active in TETRA standardisation, interoperability, testing and product development since 1995. He represents Sepura in ETSI's TCCE WG6, which specified the requirements for the new additional security algorithms and the protocol changes to support them, and in TCCA's Security and Fraud Prevention Group (SFPG), which creates recommendations for secure implementation of TETRA and Broadband systems. He co-chairs TCCA's Air Interface Working Group, which is specifying updates to TIPs and Test Plans to accommodate the ETSI-specified additional algorithms and protocol changes.



Per Skaibaek. Motorola Solutions. Standardization specialist. ETSI specification work: member of ETSI TCCE, WG3 and WG4 creating TETRA specifications for TMO, DMO and ISI.

TCCA specification work: Member of TCCA Technical Forum, AIF WG and ISI WG, creating TIP specifications and test plans for TMO, DMO and ISI. Previous experience includes Chair of TCCA Technical Forum; TCCA (TETRA MoU) board member, and managing TCCA's IOP testing service on behalf of TeleDenmark.