XipLink and Nexus announce IPsec/CMPv2 interoperability to provide MNOs secure RAN Optimization and TCP Acceleration

May 12, 2021 – Montréal, QC: XipLink, the leading provider of Radio Access Network (RAN) Optimization and TCP Acceleration that delivers an improved user experience over stressed backhaul links and Nexus, a leading provider of trusted identities for workforce and IoT, today announced interoperability with Nexus certificate management.

Strong authentication and encryption for LTE and 5G backhaul are crucial to secure the communication between eNodeB/gNodeB and security gateways. MNOs utilize Certificate Management Protocol (CMPv2) for automatic certificate enrolment, eliminating the need for manual intervention. This ensures high security, scalability, less administration and no risk of human error. Nexus Smart ID Certificate Manager has an automated process for issuing certificates and allows full lifecycle management including device registration, certificate request authentication, certificate renewal, and revocation.

Nexus' mature and reliable PKI platform provides the widest range of certificate issuing and management protocols on the market. This means that any standards-based network element can get the certificates necessary to establish the highest trust across the multi-vendor mobile network from the base stations and deep into the core network.

Using the Nexus PKI platform enables mobile network operators to increase the level of protection and security in their networks. The robustness and readiness of the Nexus software improves the overall availability of the LTE or 5G infrastructure and becomes an excellent tool for providing good governance and efficient security management.

With XipLink supporting CMPv2 and the interoperability with Nexus Certificate Management, MNOs requiring end-to-end backhaul security can take advantage of XipLink's RAN Optimization and TCP Acceleration. The XipLink solution makes use of the DOE (Decrypt, Optimize, Encrypt) architecture to accept the encrypted tunnel from the cell site, decrypt the packets in-line, accelerate and optimize the subscriber data and finally re-encrypt the data in a tunnel to the security gateway. This ensures that the encrypted data is never exposed outside of the IPsec tunnels but allows for full RAN Optimization and TCP Acceleration.

The result is a secure trusted backhaul network that significantly reduces satellite or microwave bandwidth consumption and boosts end subscribers throughput. The result is a dramatic improvement in access speed and reduction in bandwidth consumption across the RAN. XipLink optimized network differentiates an MNO's service offering by enabling the transport of more customer traffic over a wireless link while simultaneously improving the Quality of Experience to the downstream subscriber.

About XipLink, Inc.
XipLink is the leading independent global technology provider for RAN Optimization and TCP Acceleration to deliver a better user experience over stressed communication links. Globally, leading MNOs have deployed XipLink to boost mobile backhaul throughput, by significantly reducing satellite or microwave bandwidth consumption across the RAN. XipLink is a privately-owned company with headquarters in Montreal, Quebec (Canada), integration facilities in Ashburn, Virginia (USA) and field personnel worldwide.

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For more information about XipLink please visit www.xiplink.com

About Nexus Group

Nexus Group, a part of IN Groupe, is a European leader and innovative identity management company. It secures society by enabling trusted identities for people and things. Nexus develops a range of security products that form the Smart ID platform. Through the Smart ID solution, organizations are enabled to issue and manage the lifecycle of trusted workforce identities as well as identities for workplace devices and the internet of things (IoT). The Nexus Smart ID platform empowers to implement a smooth, automated, and governed environment for secure trusted identities.

Nexus is headquartered in Stockholm, Sweden and has over 300 committed employees across Europe and India, as well as a global partner network. Nexus Sweden is certified in information security according to ISO 27001 and TISAX. Since transparency is a prerequisite for trust, all our products and services are documented online.

For more information about Nexus Group please visit www.nexusgroup.com