

SOLIDSHIELD profile

- ❖ Core expertise: Software hardening against C-I-A attacks
- ❖ Core assets: SECaaS for C&A attacks, D-MUTRA for I attacks
- ❖ Motivations: **Disrupt in workflow, developing pain-less and automatic solutions**
- ❖ Participation into three SNS projects (DESIRE-6G, NETWORK, PAISES)
- ❖ Dealing with Java, WASM, x86 native and containerized payloads
- ❖ Current pivot to open source with integration of D-MUTRA inside ETSI TeraflowSDN and OSM **delivering VNF and CNF with automatic, zero-touch blockchain-ledgered remote attestation and continuous integrity verification during execution**



The call of interest

HORIZON-JU-SNS-2026-STREAM-C-01

HORIZON-JU-****RIA**** HORIZON JU Research and Innovation Actions

29 January 2026

Deadline date

****29 April 2026**** 17:00:00 Brussels time

****Expected Outcome:****

*Availability of evolvable experimental infrastructure representative of a 6G system for the Phase 3 of the SNS JU Programme with the ability to engage the 6G community to run experimentations and (2) the validation of key 6G technologies with demonstrated performance characteristics through experiments carried out using the experimental infrastructure. Such reference platform in the SNS JU will be used to demonstrate 6G technologies including **those developed by SNS Stream B projects. Proponents should select a clear and limited number of technologies from Stream B projects.** It will provide platform users with standardized and supported methods for affordable-cost integration of new technologies in the end-to-end environment as well to follow a common SNS approach to KPI measurement and data definition-storage-exposition. This SNS reference platform can be also offered by SNS to other communities to support broader collaboration and technology diffusion (e.g. 3GPP, AI RAN Alliance, ESA, ETSI and others).*

Our suggested contribution matching the call

- ❖ Derived from ETSI hackathon and our participation in DESIRE-6G and NETWORK
- ❖ Aligns and leverages ETSI's OSM and TeraflowSDN
- ❖ **D-MUTRA blockchain based automatic mutual remote attestation of services**
- ❖ Bring security to the infra components in full alignment with:
 - ❖ Vendor agnosticism, zero dependency
 - ❖ Sustainable security, always apply-able as w/o performance penalty
 - ❖ Zero-touch, automatic and by-default security
 - ❖ Heterogenous support: Java, WASM and x86 containerized workloads
- ❖ *Ensuring security provisions for remote connectivity to the infrastructure for the experimenters.*



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vincenty@solidshield.com

