

nicc[®]

UK Interoperability Standards

Open Forum 2023



9th November 2022

TSG Update

Martin Simmonds



- Security
- SIP
- SOC
- All-IP
- N-CLI
- CDB
- EmLoc



Protection





2023

Over a 100 Task group /
sub-group meetings
and workshops

250 members using
NICC website

New members:

- ITS Technology Group
- Arqiva
- Hyperoptic
- Numeracle
- Netnumber

Publications:

Guidance docs: ND1132, ND1431,
ND1445, ND1446, ND1657

Information docs: ND1214

Specification docs: ND1016, ND1035



N-CLI Update

Martin Simmonds



STIR / SHAKEN

ND1653 - UK STIR Implementation : Service Description and Architecture (Start-up and Interim Stages) Expected publication: Feb 2024

Ofcom Consultation

Calling Line Identification (CLI) authentication: a potential approach to detecting and blocking spoofed numbers

N-CLI joint response to the consultation:

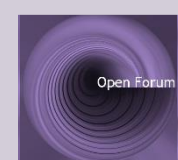
- The Cost vs Benefit analysis for STIR/SHAKEN is not yet proven to be worthwhile (est. £100M)
- There may be more effective or cost-efficient ways to achieve the same goals



What is our approach?

Divide the Scam Calls issue into 2 parts, and solve for each:

- Calls originating internationally
- Calls originating domestically



We are working to extend ND1447 to blocking incoming international calls with UK Presentation Numbers.

Special Cases:

- Currently calls from roaming UK mobiles will come into international gateways with CLIs beginning +447 and so must not be blocked
- Calls from the UK to International mobiles which are roaming in the UK also need special consideration

We are investigating a better solution for calls from/to roaming mobiles

This may include:

- Look-up at international gateways to check if a mobile CLI is 'actually' roaming
- Volte home routeing for all roaming mobile calls

MNO Subgroup has been created to look into the best way forward



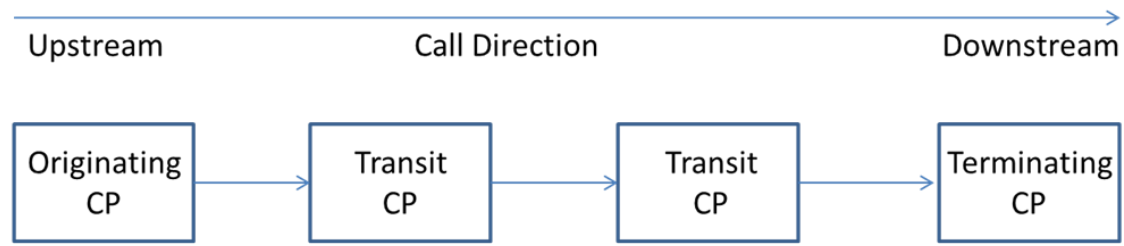


All international calls using spoofed UK CLIs are blocked at the international gateways



Any remaining calls using spoofed UK CLIs must originate from a UK Communications Provider

The proposal for handling **Domestic number spoofing**, is to develop and Effective Call Tracing solution to identify where a call has originated



With an efficient identification method for the origin of scam calls, the UK law enforcement authorities can prosecute bad actors, impose fines, close down their operations and confiscate equipment



Any questions?



Thank You