

## **Guidance on blocking of inbound international calls with UK Network Number as CLI**

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## Foreword

This NICC Document (ND) has been produced by NICC Nuisance Call and CLI Task Group

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## Introduction

The present document gives guidance to operators regarding the blocking of calls containing a UK CLI (as a Network Number) that have been received from a non-UK interconnect.

Refer to ND1016 [1] for the definition of a Network Number.

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# 1 Scope

The present document provides guidance which is aimed at UK operators that receive calls containing a UK CLI (as a Network Number) from a non-UK interconnect and is specific to the Session Initiation Protocol.

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## 2 References

### 2.1 Normative references

- [1] ND1016 Requirements on Communications Providers in relation to Customer Line Identification display services and other related services
- [2] ND1439 Guidance for Implementing ND1016 in SIP networks

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## 3 Definitions and abbreviations

### 3.1 Definitions

### 3.2 Abbreviations

CLI	Calling Line Identity
CP	Communication Provider
IRN	International Roaming Number
MSRN	Mobile Station Roaming Number
PAID	P-Asserted-Identity
SIP	Session Initiation Protocol

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## 4 Blocking incoming international calls that contain a UK CLI as a network number

The NICC document ND1016[1] rule NC1 describes behaviours for incoming calls received from networks not covered by ND1016[1]. ND1439 [2] gives guidance on how to implement ND1016 [1] in SIP networks. The present document provides further guidance to Communication Providers (CP) receiving calls covered by ND1016[1] rule NC1 (i.e. any networks that ingress calls into the UK from networks based outside the UK) relating to blocking incoming SIP calls where the received Network Number CLI is a UK number.

- Blocking is to be based upon the content of the received PAID containing a UK number, subject to the following:
  - Calls with a CLI from the +447 range must not be blocked. This is to ensure that UK mobile customers roaming overseas are able to make calls back to the UK.
  - Calls to destination numbers within Mobile Station Roaming Number (MSRN)/International Roaming Number (IRN) ranges must not be blocked. This is to ensure that calls from UK numbers destined to overseas customers roaming into the UK are not blocked. Ofcom will provide a list of such MSRN/IRN ranges, collated from UK mobile networks, on request.
  - Where networks outside the UK are sending calls meeting one of the relevant conditions below, then the receiving UK CP should ask that the interconnect is segmented into UK originated and non-UK originated traffic. Only traffic on the latter route should be blocked.

NOTE: This relies on networks outside the UK routing traffic over the appropriate interconnect; failure to do so increases the likelihood of calls being blocked.

The relevant conditions are:

- Traffic has originated on a UK network, or
- Traffic has originated from UK customers hosted onto overseas nodes, or
- Traffic has originated from UK customers hosted onto cloud services.

NOTE: Where the PAID is absent, the guidance in ND1439 [2] section 6.5.1 should be followed.

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## History

<b>Document history</b>		
V1.1.1	28 <sup>th</sup> April 2021	Initial publication