
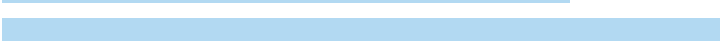


# SIP Trunking

## CLI changes

Company name	
Contact name	
Email address	
Contact number	
SIP endpoint reference	
SIP endpoint site location	
SIP endpoint type	<input type="checkbox"/> Standard SIP Trunking <input type="checkbox"/> Semafone enabled SIP Trunking

### Instructions:

This CRF (customer request form) is submitted to [unifyorderfulfilment@o2.com](mailto:unifyorderfulfilment@o2.com)

All customer request forms are available at [www.o2.co.uk/business/sip-trunking](http://www.o2.co.uk/business/sip-trunking)

This CRF allows for the following CLI changes on an existing SIP endpoint

- CLI flexibility: enable the ability to present non O<sub>2</sub> registered numbers as the presentation A-number CLI.
- CLI presentation: change CLI and DDI presentation rules to one of the following to match your PBX configuration.
  - Leading Zero (0203)
  - No Leading Zero (203)
  - E.164 Format (+44203)

The following information will be required to complete this CRF.

1. Terminating SIP endpoint reference.
2. CLI Flexibility enabled or disabled, if required.
3. CLI Presentation type, if required.

### Notes:

- This CRF is a non billable service.
- Semafone enabled SIP Trunking will incur a longer lead time to provision as they are a manual build.
- Semafone enabled SIP Trunking is not available in all markets.

# SIP Trunking

## CLI changes

### CLI flexibility – Statement of compliance

SIP endpoint ref

CLI flexibility status

- The number requested for use as a presentation number (“PN”) is either allocated to the Applicant and the Applicant does not require the permission of anyone else in relation to that number or the requested PN is not allocated to the Applicant but consent from the allocated owner for its use as a PN has been obtained and has not been withdrawn;
- The requested PN is in use;
- The Applicant shall immediately inform its telecommunications service provider if any of the information in this statement ceases to be correct;
- The telecommunications service provider may suspend and/or withdraw use of its Presentation CLI Service if it is subsequently found that the information in this statement was, or has become, inaccurate or if the PN is being misused in any way;
- The applicant understands that the PN must not be a number that connects to a revenue sharing number that generates excessive or unexpected call charges in which case the telecommunications service provider may suspend and/or withdraw use of the Presentation CLI Service;
- When requested, the Applicant shall insert a “P-Asserted-Identity” field (as defined in RFC3325 available at <http://www.faqs.org/rfcs/rfc3325.html>) in the header of SIP packets sent from IPDC end-points and such field must be populated with a CLI provided by the network service provider in E.164 format; and
- The applicant acknowledges that its network service provider may withdraw the service without penalty in the event that a) having made the appropriate configuration change The Applicant fails to make at least one test call within twenty (20) Working Days and/or b) the Applicant reverses the configuration change.

The Applicant hereby indemnifies its telecommunications service provider and any underlying network service provider against any claims by any third party relating to use of the PNs.

The Applicant hereby acknowledges that the telecommunications service provider may withdraw this facility at any time for regulatory or legal reasons or if it suspects its misuse or if its use is challenged by any third party.

I hereby confirm on behalf of  (the “Applicant”), and I am duly authorised so to do, that:

Signed

Date

Name

# SIP Trunking

## CLI changes

### CLI presentation

SIP endpoint ref



CLI presentation



DDI presentation



The incoming CLI presentation refers to the way the **FROM** header on the PBX is configured for.  
The incoming DDI presentation relates to the way **TO** header on the PBX is configured for.

### SIP header configuration

#### Request -URI header

The number within the request-URI is used for routing calls and should contain the called number. The format of this number can either be UK national format (with leading zero), UK international format (with two leading zeros and a country code) or full e.164 format (with leading +).

#### Examples

Option	Format	SIP header
1	E.164	INVITE sip:+441618777148@100.100.100.29 SIP/2.0
2	International format	INVITE sip:00441618777148@100.100.100.29 SIP/2.0
3	UK format Leading Zero (0203)	INVITE sip:01618777148@100.100.100.29 SIP/2.0

#### To header

Header must contain SIP address and the called number. The format of this number can either be UK national format (with leading zero), UK international format (with two leading zeros and a country code) or full e.164 format (with leading +).

#### Examples

Option	Format	SIP header
1	E.164	To: <sip:+441618777148@100.100.100.29>
2	International format	To: <sip:00441618777148@100.100.100.29>
3	UK format Leading Zero (0203)	To: <sip:01618777148@100.100.100.29>

# SIP Trunking

## CLI changes

### From header

The user part of the SIP URI within the 'From' header must contain the calling line identity of the originating device. This identity must be a number registered to the endpoint. The format of this number can either be national significant (with or without a leading zero) or in full e.164 format. The domain part of the SIP URI within the 'From' header can contain either the IP address of the public facing interface or a customer-defined FQDN. O<sub>2</sub> will not use this FQDN for any purpose

### Examples

Option	Format	SIP header
1	E.164	From: <sip:+441618777148@100.100.100.29> or using FQDN from: <sip:+441618777148@your.domain.local>
2	International format	From: <sip:01618777148@100.100.100.29> or using FQDN from: <sip:01618777148@your.domain.local>
3	UK format	From: <sip:1618777148@100.100.100.29> or using FQDN from: <sip:1618777148@your.domain.local>

### PAID header

The format of the PAID number can either be national significant (with or without a leading zero) or in full e.164 format. If no PAID header is provided, O<sub>2</sub> will insert a PAID header with the default network CLI.

### Examples

Option	Format	SIP header
1	E.164	P-Asserted-Identity: <sip:+441618777148@100.100.100.29>
2	International format	P-Asserted-Identity: <sip:01618777148@100.100.100.29>
3	UK format	P-Asserted-Identity: <sip:1618777148@100.100.100.29>