

# Overview about released SIP Providers



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# 1. Introduction

The tables below provide an overview of tested ITSP providers for OpenScape Business

It has to be emphasized that the documented features represent the result when the test was finished.

**Important Note:**

It is highly recommended to check for the most current SW on SW-Download –Server within the Unify Partner Portal



## 2. Definition of Features between OpenScape Business and SIP Provider

### **SIP DID Account**

Provider supplies the customer with a range of call numbers for direct inward dialing, accessible with one or no SIP registration.

### **SIP Client Account**

Provider supplies the customer with one or more single call numbers which are registered separately.

### **Multisite**

Provider allows handling of numbers from different locations/areas via a single trunk or dedicated trunks for each location/area. For more info if each location/area needs a dedicated registration please check <https://wiki.unify.com/images/7/71/MultiRegistrationForITSP.pdf>.

### **CLIP no Screening**

Provider allows sending of calling party numbers different from the numbers assigned to the account (e.g. toll-free numbers 0800-, or original calling party number in case of call forwarding).

### **CLIP/CLIR**

Calling line indication presentation / calling line indication restriction. Call numbers are displayed or suppressed in ringing state.

### **COLP**

Connected line presentation / connected line restriction. Connected call numbers are displayed or suppressed in connected state.

### **Call Forwarding (302)**

Provider support call forwarding (also referred as call deflection) initiated with a 302 response.

### **DTMF**

Transmission of dual tone multi frequency signaling is used e.g. for voicemail or conference server access. RFC 2833 support is needed to control e.g. UC-Suite.

### **Codecs**

G.711: 64 kbps coding, variants a-law and u-law

G.729: 8 Kbps coding, variants A and AB with silence insertion

For IP-IP calls other codecs (like G.722) can be negotiated between the endpoints. Negotiation of such codecs is supported by the OpenScape system

### **FAX**

T.38 protocol allows safe transmission also for multi-page documents.

G.711 is not recommended.

### **Secure Trunk**

Provider offers a secured SIP trunk (TLS transport and SRTP media).

# 3. ITSP Details

## 3.1. International

### 3.1.1. Broadcloud Germany - France - Italy - UK - Australia – USA



System	OSBiz
Released with Version	V2R3
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	ITSP support multiple call numbers from different areas in the same country on the same trunk
CLIP / CLIR	yes / yes
CLIP no Screening	no
COLP	-
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes

#### Remarks:

In a transit call forwarding scenario Broadcloud provides the number of the originating caller. E.g. external A calls internal B. B is forwarded to external C. C get the number information of A

During setup of the ITSP trunk in OpenScope Business the country specific server addresses needs to be configured in the Broadcloud profile.

### 3.1.2. COLT international

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b> ( profiles see *1)	
SIP DID account	√ * 2
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

- \*1 = COLT VPN Access may need additional manual configuration)  
COLT UK & Europe
- \*2 = no registration

### 3.1.3. Skype connect international

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.1.4. Verizon international

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

## 3.2. Australia

### 3.2.1. [AAPT SIP Connect](#)



System	OSBiz
Released with Version	V3R2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - single trunk
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

### 3.2.2. [Broadcloud](#)

see Broadcloud Germany - France - Italy - UK - Australia - USA

### 3.2.3. [Commander Primus](#)

System	OsBiz
Supported since version	V1_R3.1
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-(P)
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.2.4. [engin](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.2.5. [Internode](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.2.6. [Telstra](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R3.3.553
Tests finished / released in	Feb2015
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

## 3.3. Austria

### 3.3.1. A1 SIPtrunk - registrierend



System	OpenScope Business
Released with Version	V2R5 New profile: V2R7
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	Yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

#### Remarks:

<sup>1)</sup> Clip no Screening needs to be activated by A1.

A1 delivers a "A1 Router" to the customer which is used to terminate the SIP trunk.

With V2R7 the existing profile is replaced by "A1 SIP Trunk – registrierend"

**Updated profile with V2R7.1 available**

### 3.3.2. Kabelplus Business Phone



System	OsBiz
Supported since version	V2_R1.1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.3.3. IP-Austria

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√ <sup>1)</sup>
Codecs G.711/G.729	√ / -
T.38 Fax	<sup>2)</sup>

1) Only Payload Type 101 supported -> System and SIP endpoints has to be configured accordingly

2) Only T.38 outbound supported. LX was tested with OSO-fax-server. FAX with G.711 only working properly with 10ms frame size

Service call 0900 generally not allowed with IPAustria

### 3.3.4. LinzAG City Voice

System	OsBiz
Supported since version	V2_R1.1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.3.5. [Neotel](#)

System	OsBiz
Supported since version	V2_R1.1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.3.6. [Peoplefone AG](#)

System	OsBiz
Supported since version	V2R6
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.3.7. [SalzburgAG CableLink](#)

System	OsBiz
Supported since version	V2_R1.1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√



### 3.3.8. Tele2

System	OsBiz
Supported since version	V2_R0.3.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.3.9. UPC



System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	-
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / √
T.38 Fax	-

formerly named inode

## 3.4. Belgium

### 3.4.1. [Belgacom.IMS / Proximus](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√ *1
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

\*1 = no SIP registration

UC-Suite is not yet released for Belgacom IMS

### 3.4.2. [BCOM](#)

for details on BCOM see the table BCOM

### 3.4.3. [Destiny](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

3.4.4. **BKM**  
Formerly named Hexacom



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

**Remarks:**

**With V3 a major update of the BKM profile is available.**

BKM offers two types of trunks:

1. accessible via public network: for this type of trunk the profile could be used without changes
2. access via private link: for this type of access the settings need to be adapted, please check the configuration document

3.4.5. **gnTel**  
for details on gnTel see the table gnTel



3.4.6. **IPnexia – Belgium - Luxemburg**



System	OSBiz
Released with Version	V2R6.2
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

### 3.4.7. ORANGE



System	OSBiz
Released with Version	V2R3.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
COLP	no
CLIP no Screening	yes <sup>1)</sup>
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes

#### Remarks:

The registrar/proxy IP address will be different for each customer

Orange delivers a CPE device to the customer. This CPE device has typical an xDSL uplink to the providers SIP Trunk. The CPE does get an IP Address which is in the same subnet of the customer PBX. ITSP is reached via static route configured in OSBIZ. Please check the configuration guide. ISP is reached via different router.

<sup>1)</sup> In default the Orange profile has CLIP no Screening activated. The user must sign an agreement for CLIP no Screening. As long as the user has not signed the agreement with Orange, forwarded calls will be rejected! If CLIP no Screening agreement is not signed the profile needs to be changed manually.

### 3.4.8. [Telenet](#)



System	OSBiz
Released with Version	V1R1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

**Remarks:**

Customer specific profile entries are needed for domain name and Proxy.

### 3.4.9. [WIN](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√ *1)
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

\*1) = no registration

UC-Suite is not yet released

### 3.4.10. [X2COM](#)

for details on X2COM see the table X2COM

## 3.5. Brazil

### 3.5.1. [vivo](#)



System	OSBiz
Released with Version	V2R7.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	-
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

#### Remarks:

Vivo provide 4 different link types.

Please check the configuration document about the necessary configuration steps:

Link 1,2 and 4 Customer specific profile entries are needed for domain and proxy.

Link 4: Customer specific profile entries are needed for domain, proxy and **inbound proxies**.

Static routes must be configured.

### 3.5.2. [Voitel](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√ / -
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

## 3.6. Canada

### 3.6.1. BabyTEL

System	OsBiz
Supported since version	V2_R0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

## 3.7. Chile

### 3.7.1. ENTELENGN

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	-
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

ITSP certified, but no profile provided in system. Manual configuration of servers according to the ITSP description is needed using the default profile as base template.



## 3.8. Czech Republic

### 3.8.1. GTS

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.8.2. O2 CZ

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.8.3. T-mobile

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

## 3.9. Denmark

### 3.9.1. Global Connect

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R3.3
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.9.2. TDC DK

<b>System</b>	<b>OsBiz</b>
Supported since version	V2 R2.1.0_262
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√/-
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√
Multisite	-)*

\*) Not supported by country

### 3.9.3. [Telia](#)



System	OSBiz
Released with Version	V2R2.2.0_279
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	-
CLIP / CLIR	yes / yes
COLP	-
DTMF (RFC2833/4733)	yes <sup>2)</sup>
Codecs G711/G729	yes / -
T.38 Fax	- <sup>3)</sup>

**Remarks:**

- 1) No registration is used, Port 5060 MUST be used for SIP traffic
- 2) Only Payload Type 101 supported -> System and SIP endpoints has to be configured accordingly
- 3) T.38 is not supported in default, it can be requested if needed

### 3.9.4. [Uni-tel A/S](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

## 3.10. Finland

### 3.10.1. [Elisa](#)

Certification was renewed with new platform of Elisa (Elisa NGN) in January 2013.

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

### 3.10.2. [Länsilinkki](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	-
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

### 3.10.3. [TDC](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√ *1
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

\*1) : no registration

### 3.10.4. [TeliaSonera](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

## 3.11. Estonia

### 3.11.1. [Telia](#)



System	OSBiz
Released with Version	V2R6.2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes, single registration
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

#### Remarks

Due to a problem with certain call scenarios a DSP board is needed to terminate the payload. See the configuration document for details.

Fax is not fully tested and not released

## 3.12. France

### 3.12.1. [Bouygues](#)

System	OsBiz
Supported since version	V2_R1.0.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√/√
COLP	-
DTMF (RFC 2833)	√ <sup>1)</sup>
Codecs G.711/G.729	√ / √
T.38 Fax	√

<sup>1)</sup> Only Payload Type 101 supported -> System and SIP endpoints has to be configured accordingly

### 3.12.2. [Broadcloud](#)

see Broadcloud Germany - **France** - Italy - UK - Australia - USA

### 3.12.3. [codepi](#)



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes, single registration
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

#### Remarks:

<sup>1)</sup> Clip no Screening needs to be boocked at CODEPI

### 3.12.4. Complete!

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.12.5. Foliateam Opérateur



System	OSBiz
Released with Version	V2R7.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

**Remarks:**

T.38 MUST be deactivated in the OpenScape Business system

### 3.12.6. Hexatel

System	OsBiz
Supported since version	V1_R3.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	-
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√



### 3.12.7. [IP Directions](#)



System	OSBiz
Released with Version	V2R7
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

**Remarks:**

T.38 MUST be deactivated in the OpenScape Business system  
 Due to interoperability issues UC-Fax is not released with IP-Directions

### 3.12.8. [IPnexia](#)

for details on IPnexia see the table [IPnexia Belgium](#)



3.12.9. [Jaguar](#)



System	OSBiz
Released with Version	V2R7.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	not supported <sup>2)</sup>
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

**Remarks:**

<sup>1)</sup> Special configuration of primary and secondary server needed, see configuration document for details.

<sup>2)</sup> Jaguar requires a special signalling for Clip no Screening which is not supported by OpenScope business

3.12.10. [Keyyo](#)



System	OSBiz
Released with Version	V3R2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - single trunk
CLIP / CLIR	yes / yes
CLIP no Screening	no
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

### 3.12.11. [MyStream](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.12.12. [OpenIP](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	-

### 3.12.13. [Orange Business Services SIP trunking](#)



**Business Services**

System	OSBiz
Released with Version	V2R4.1
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
COLP	no
CLIP no Screening	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / partly
T.38 Fax	yes
Secure trunk	no

#### Remarks:

To comply with the requirements of the Orange Business Services SIP trunk a special setup of OpenScape Business is needed. Please read the configuration description available in the Wiki. Customer specific profile entries are needed for domain name and proxy address

Special configuration is needed for the following parameters:

- EXT\_SIP\_PORT **MUST** be configured with 5060 (default is 5070)
- RFC 2833 payload type **MUST** be 101
- RFC 2198 support **MUST** be disabled
- G.729AB is NOT supported by ORANGE and **SHOULD** be disabled

### 3.12.14. Paritel Operateur



System	OSBiz
Released with Version	V1R1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID / Client
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	no
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

### 3.12.15. Sewan Communications

System	OsBiz
Supported since version	V1_R3.3.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

## 3.13. Germany

### 3.13.1. 1&1

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√/√
T.38 Fax	-

### 3.13.2. 1&1 Versatel



System	OSBiz
Released with Version	V2R4.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
COLP	-
CLIP no Screening	yes <sup>1)</sup>
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes <sup>2)</sup>
secure trunk	no

#### Remarks:

<sup>1)</sup> CLIP no screening needs to be configured on the 1&1 Versatel platform

<sup>2)</sup> **UC-Fax is not released with 1&1 Versatel** (This needs an enhancement in OpenScope Business and will be released in an upcoming version)

3.13.3. [autphone](#)



System	OSBiz
Released with Version	V2R7
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

**Remarks:**

<sup>1)</sup> CLIP no Screening needs to be booked at ITSP

3.13.4. [Broadcloud](#)

see Broadcloud Germany - France - Italy - UK - Australia - USA

3.13.5. **BITel**



System	OSBiz
Released with Version	V2R6.2
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

**Remarks:**

BITel delivers an accessdevice, IP address of access device needs to be configured as Proxy and Registrar

1) Clip no Screening needs to be booked at BITel



3.13.6. [CITEC Universe SIP Trunk](#)



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes, with single registration
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no <sup>1)</sup>
Secure trunk	no

**Remarks:**

1) T.38 MUST be deactivated in the system

### 3.13.7. [Datel](#)



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>2)</sup>
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
secure trunk	no

**Remarks:**

<sup>1)</sup> The certification is valid for the DATEL Phone&Surf SIP Trunk product. Other products (e.g. MSN based) are available but not yet certified with OpenScape Business

<sup>2)</sup> Clip no Screening needs to be boocked at DATEL

3.13.8. [Deutsche Telefon](#)



System	OSBiz
Released with Version	V2R3
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	yes – single trunk / dedicated trunks
CLIP / CLIR	yes / yes
COLP	-
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / -
T.38 Fax	yes

**Remarks:**

"Einzelverbindungs nachweis": The number presented in PAI will be used in the EVN. If the individual number should be presented in EVN the CLIP no Screening feature must be deactivated.

3.13.9. [easybell](#)



System	OSBiz
Released with Version	V2R6
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

**Remarks:**

<sup>1)</sup> CLIP no screening must be activated in customer portal of easybell (see configuration description)

**Changed default settings introduced in V2R7, please check the configuration document for details (CLIPnoScreening)**

### 3.13.10. [EasyFone](#)



System	OSBiz
Released with Version	V3R2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - single trunks
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	optional
secure trunk	no

#### Remarks:

- The EasyFone SIP Trunk requires a static public IP address.
- The possibility of sending or receiving T.38 faxes depends on the characteristics of the remote station and the transmission may take place with G.711.
- Automatic use of the backup SIP trunk is currently not supported.

### 3.13.11. [ecotel sipTrunk Connect 1.0](#)

System	OsBiz
Supported since version	V2_R0.3.1124
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

Deprecated trunk, used for existing installations only

### 3.13.12. [ecotel sipTrunk DDI](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

Deprecated trunk, used for existing installations only

### 3.13.13. [ecotel sipTrunk 2.0](#)



System	OSBiz
Released with Version	V3R1.2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - single trunk
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

#### Remarks:

- <sup>1)</sup> CLIP no screening needs to be booked

### 3.13.14. [ennit](#)

Profile maintained for existing installations.  
A new profile with updated settings is available “TNG Stadtnetz”

### 3.13.15. [envia TEL](#)

System	OpenScape Business
Released with Version	V3R2
<i>envia TEL enVoice IP range</i>	<b>Features &amp; Capabilities</b>
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes
CLIP no Screening	yes <sup>1)</sup>
COLP	yes
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711	yes
Codecs G729	no
T.38 Fax	no
Secure trunk	no



#### Anmerkungen:

<sup>1)</sup> CLIP no Screening ist ein kostenpflichtiges Leistungsmerkmal und muss gesondert beauftragt werden. Die Nutzung ist im Profil voreingestellt.

### 3.13.16. [equada](#)

System	OsBiz
Supported since version	V2_R0.3.11 24
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

### 3.13.17. [ewe](#)



System	OSBiz
Released with Version	V2R6
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes (with costs)
COLP	yes
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes <sup>1)</sup>
Secure trunk	no

#### Remarks:

Clip no Screening needs to be activated by ewe

<sup>1)</sup> T.38 is support in transport mode only. If a destination supports T.38 fax will be transported in T.38, if interworking to TDM is needed or destination does not support T.38 the fax is transmitted by G.711

The EWE Voice+ SIP Trunk profile is used for ewe, swb and osnatel.

### 3.13.18. [gmx](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / ?
T.38 Fax	-



3.13.19. [gnTel](#)  
for details on gnTel see the table gnTel



3.13.20. [HFO - Germany](#)

System	OsBiz
Supported since version	V2_R0.3.11 24
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

For security reasons OpenScope Business uses dedicated SIP server ports for internal (5060) and external (5070) traffic. HFO can handle SIP traffic on port 5060 only. Due to this limitation, the external SIP port in Openscape Business **MUST** be configured to 5060.

3.13.21. [HL komm](#)



System	OSBiz
Released with Version	V2R3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	-
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / -
T.38 Fax	-
Secure trunk	no

3.13.22. [htp](#)



System	OSBiz
Released with Version	V2R6.2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	??
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

**Remarks:**

htp delivers an access device, IP address of access device needs to be configured as Proxy and Registrar

<sup>1)</sup> Clip no Screening needs to be booked at htp.

3.13.23. [Inexio](#)



System	OSBiz
Released with Version	V2R5.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

### 3.13.24. M-Net Premium



System	OSBiz
Released with Version	V2R3.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	Not Supported by OSBiz (dedicated transport needed)
CLIP / CLIR	yes / yes
COLP	no
CLIP no Screening	yes (with costs)
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure Trunk	released later

#### Remarks:

If the Calling Party Number should be forwarded in case of diversion, CLIP no Screening needs to be booked as an optional feature.

For details see the configuration guide in wiki

### 3.13.25. [MK Netzdienste](#)



System	OSBiz
Released with Version	V2R0
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	?
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

**Remarks:**

Clip no Screening needs to be booked at provider.

**Updated profile with V2R6.2 available**

### 3.13.26. NetCologne ProPhone SIP



System	OSBiz
Released with Version	V2R7
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	yes
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

**Remarks:**

OpenScope Business must be connected with a dedicated VoIP router using the WAN interface in TCP/IP mode. Internet traffic needs to be routed via a different router. See the configuration description for details.

### 3.13.27. NetCom BW



System	OSBiz
Released with Version	V2R6
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

**Remarks:**

<sup>1)</sup> = without registration

Netcom BW delivers an access device, the IP-address of the access device needs to be configured, thus the profile needs to be completed during configuration of the system

For security reasons OpenScape Business uses dedicated SIP server ports for internal (5060) and external (5070) traffic. To ensure symmetric UDP traffic without registration the external SIP port in Openscape Business MUST be configured to 5060.

UC is not tested and released with Netcom BW

3.13.28. **NFON**



System	OSBiz
Released with Version	V2R3.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no yet available / coming soon
CLIP / CLIR	yes / yes
COLP	no
CLIP no Screening	yes
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes

### 3.13.29. O2 All-IP Voice SIP



System	OSBiz
Released with	V2R2.2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	multiple registration performed by CNG
CLIP / CLIR	yes / yes
COLP	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	_.1)

#### Remarks:

O<sub>2</sub> delivers a Corporate Network Gateway (CNG) which is used to terminate the SIP trunk. OpenScape Business cannot be connected directly without CNG (using the O<sub>2</sub> Gm-Interface)

OpenScape Business must be connected with the CNG using the WAN interface in TCP/IP mode.

During setup of the ITSP trunk the customer specific CNG IP address needs to be configured in OpenScape Business.

For security reasons OpenScape Business uses dedicated SIP server ports for internal (5060) and external (5070) traffic. The CNG can handle SIP traffic on port 5060 only. Due to this limitation, the external SIP port in OpenScape Business **MUST** be configured to 5060.

<sup>1)</sup> T.38 is support in transport mode only. If a destination supports T.38 fax will be transported in T.38, if interworking to TDM is needed or destination does not support T.38 the fax is transmitted by G.711



### 3.13.30. [omnidat](#)

System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	<i>yes (registration for each location)</i>
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

**Remarks:**

Clip no Screening needs to be booked and payed:

### 3.13.31. [Peoplefone AG \(DE\)](#)

System	OsBiz
Supported since version	V2_R0.3.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.13.32. [PhoneVoice](#)



System	OSBiz
Released with Version	V2R5
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

### 3.13.33. [purtel](#)



System	OSBiz
Released with Version	V1R1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	Yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no T.38 Fax service stopped on 01.01.2020
Secure trunk	no

#### Remarks:

Customer specific profile entries are needed for Domain name, Registrar and Proxy.

<sup>1)</sup> CLIP no screening must be activated in customer portal

**Updated profile with V2R7.1 available**

### 3.13.34. [Plusnet IPfonie Extended](#)



System	OsBiz
Supported since version	QSC: V1_R1.1.0 Plusnet: V2R7
Provider	
IPfonie (DID)	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

Plusnet IPfonie extended replaces the previously used QSC profile which is not longer available.

### 3.13.35. [Plusnet IPfonie Extended Connect](#)



System	OSBiz
Released with Version	QSC: V1R3.1 Plusnet: V2R7
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	yes (single registration)
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes <sup>1)</sup>
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	yes (but not yet released)

#### Remarks:

<sup>1)</sup> Only Payload Type 101 supported -> System and SIP endpoints **MUST** be configured accordingly

Plusnet has taken over all activities from QSC AG. By end of 2019 Plusnet is no longer allowed to use the QSC brand. Thus new profiles are available in OpenScape Business. Please check the configuration document and the information you have received from Plusnet.

### 3.13.36. [reventix](#)



System	OSBiz
Released with Version	V2R6.2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes <sup>1)</sup>
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

**Remarks:**

<sup>1)</sup> Depending on customer needs one or several registrations are used.

### 3.13.37. [rgi VoIP Trunk 200](#)



System	OSBiz
Released with Version	V3R1.2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

### 3.13.38. R-Kom



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes (needs to be payed)
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

### 3.13.39. sipgate

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
sipgate trunking (DID)	√
sipgate basic (MSN)	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.13.40. Steffel-Voice



System	OSBiz
Released with Version	V2R7
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

**Remarks:**

Clip no Screening need to be configured/booked at ITSP.

**Updated profile with V2R7.1 available**

### 3.13.41. [Tele AG](#)



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>2)</sup>
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

**Remarks:**

<sup>1)</sup> The certification is valid for the Tele AG SIP Trunk product. Other products (e.g. MSN based) are available but not yet certified with OpenScope Business.

<sup>2)</sup> Clip no Screening needs to be booked at Tele AG

### 3.13.42. TeleData



System	OSBiz
Released with Version	V2R5.1
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	no <sup>2)</sup>
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

**Remarks:**

<sup>1)</sup> optional feature, needs to be booked at TeleData

<sup>2)</sup> TeleData does not provide media gateways, thus the support of RFC2833 telephone events depends on the connection partner. **UC-Suite cannot be released with this ITSP.**



### 3.13.43. Telekom CompanyFlex SIP Trunk



System	OSBiz
Released with Version	V2R7.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	yes
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	yes

**Remarks:**

<sup>1)</sup> Clip no Screening needs to be booked at ITSP (please check configuration document)

The Telekom CompanyFlex SIP-Trunk profile is also suitable for the *T-Systems Corporate CompanyFlex* product offered by T-Systems as all trunks are operated on the same platform:

### 3.13.44. Telekom IP-As mit MSN



System	OsBiz
Supported since version	V1_R2.1
Provider	
SIP DID account	-
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-(P)

The *Telekom IP-As mit MSN* profile is suitable for the following products offered by Telekom and T-Systems as all trunks are operated on the same platform :

*3.13.44.1. Telekom Deutschland LAN IP Start*

*3.13.44.2. Telekom Deutschland LAN IP Voice/Data*

*3.13.44.3. T-Systems Corporate call Start*

*3.13.44.4. T-Systems Corporate IP Voice/Data*

### 3.13.45. Telekom DeutschlandLAN SIP-Trunk Registered Mode



System	OSBiz
Released with Version	V2R2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
COLP	no
CLIP no Screening	yes (with costs)
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes <sup>2)</sup>
Secure Trunk	yes

**Remarks:**

<sup>1)</sup> T.38 is support in transport mode only. If a destination supports T.38 fax will be transported in T.38, if interworking to TDM is needed or destination does not support T.38 the fax is transmitted by G.711

The Telekom DeutschlandLAN SIP-Trunk profile is suitable for the following products offered by T-Systems as all trunks are operated on the same platform.

### 3.13.46. [TelemaxX](#)



System	OSBiz
Released with Version	V3R0.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	yes
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	yes

**Remarks:**

TelemaxX delivers an access device which must be connected to the WAN interface. Please check the configuration hints about static route configuration.

3.13.47. [T-Systems Corporate SIP Trunk](#)

Individual profile for the specific customer requirements based on a Project Specific Release.

Please contact: [osbiz-certification@atos.net](mailto:osbiz-certification@atos.net).



3.13.48. [teliko](#)



System	OSBiz
Released with Version	V2R7.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no <sup>2)</sup>
Secure trunk	no

**Remarks:**

<sup>1)</sup> Clip no Screening need to be booked at Teliko

<sup>2)</sup> For best interoperability T.38 MUST be deactivated in the OpenScape Business system

### 3.13.49. [TNG Stadtnetz](#)



System	OSBiz
Released with Version	V2R7
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - dedicated trunks
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes <sup>1)</sup>
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

#### Remarks:

<sup>1)</sup> Call deflection needs to be booked at TNG

Profile is used for different carriers; thus domain, proxy and registrar need to be configured manually. See configuration description.

TNG must configure "national number format" of calling party for incoming local calls. The TNG default of "local number format" is not supported by OpenScape Business.

### 3.13.50. [Toplink](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.13.51. Unitymedia



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes <sup>1)</sup>
T.38 Fax	yes
Secure trunk	no

**Remarks:**

<sup>1)</sup> G729 only endpoints are not supported due to problems with transfer scenarios.



### 3.13.52. [Vodafone Anlageanschluss](#)

System	OsBiz
Supported since version	V2_R0.3.11 24
<b>Provider</b>	
SIP DID account	√ *1)
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	N.A
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ /-
T.38 Fax	-

\*1 = without registration

Vodafone will use customer specific server addresses; thus the profile needs to be completed during configuration of the system

### 3.13.53. [Vodafone Anlagenanschluss R3](#)



System	OSBiz
Released with Version	V2R0
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

\*1 = without registration

Vodafone will use customer specific server addresses; thus the profile needs to be completed during configuration of the system

For security reasons OpenScope Business uses dedicated SIP server ports for internal (5060) and external (5070) traffic. Vodafone Anlagenanschluss R3 can handle SIP traffic on port 5060 only. Due to this limitation, the external SIP port in OpenScope Business **MUST** be configured to 5060.

**Updated profile with V2R7.1 available**

### 3.13.54. Vodafone Anlagenanschluss R4



System	OSBiz
Released with Version	V2R7 update with V3R2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	yes
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	optional <sup>2)</sup> only for SIP end-to-end connections
Secure trunk	yes <sup>3)</sup>

#### Remarks:

<sup>1)</sup> without registration

<sup>2)</sup> The option of sending or receiving T.38 faxes depends on the properties of the remote station and is only available within the Vodafone network and only for IP system connections with an activated T.38 codec. T.38 in conjunction with encryption is not practically possible since T.38 terminals generally use UDPTL and not RTP.

<sup>3)</sup> requires manual setting in expert mode (since V3R2)

Vodafone will use customer specific server addresses; thus the profile needs to be completed during configuration of the system

For security reasons OpenScape Business uses dedicated SIP server ports for internal (5060) and external (5070) traffic. You have to either request the usage of port 5070 at Vodafone or configure the external SIP port = 5060 in OpenScape Business.

**Please check the configuration description available in Wiki.**

### 3.13.55. Voiceworks DE



System	OSBiz
Released with Version	V3R1
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes /no
T.38 Fax	yes
Secure trunk	no

3.13.56. [wilhelm.tel](#)



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no <sup>1)</sup>
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no <sup>2)</sup>
Secure trunk	no

**Remarks:**

- 1) 302 is supported by wilhelm.tel but the required signaling variant (different call number formats in 302 and basic call) is not supported by OpenScape Business
- 2) T.38 MUST be deactivated in the system (see configuration document)

### 3.13.57. [WOBCOM](#)



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	<i>no</i>
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes <sup>2)</sup>
Codecs G711/G729	yes / no
T.38 Fax	no <sup>3)</sup>
Secure trunk	no

#### Remarks:

- 1) WOBCOM offers DID (Anlagenanschluß) and MSN (Teilnehmeranschluß) type of trunks. The certification is valid for the DID type only.
- 2) RFC2833 is randomly supported. RFC2833 was not offered in several testcases during certification testing, thus UC is not released with WOBCOM. Please check the configuration document for limitations.
- 3) T.38 must be deactivated in the system

## 3.14. Greece

### 3.14.1. COSMOTE



<b>System</b>	<b>OsBiz</b>
Supported since version	V2_R2.0.1_251
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√
Multisite	-1)

1): Not supported by the country specifications

## 3.15. Hungary

### 3.15.1. [Netfone Telecom](#)



System	OSBiz
Released with Version	V2R5.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	Client
Multisite	yes
CLIP / CLIR	yes/ yes <sup>1)</sup>
CLIP no Screening	no
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no <sup>2)</sup>
Secure trunk	no

**Remarks:**

<sup>1)</sup> CLIR is supported through service code towards ITSP.

<sup>2)</sup> T.38 is not supported by Netfone and MUST be deactivated in the system.

## 3.16. Hong Kong

### 3.16.1. [Hong Kong Broadband Network](#)



System	OSBiz
Released with Version	V2R3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	
CLIP / CLIR	√ / - <sup>1)</sup>
COLP	-
DTMF (RFC2833/4733)	√
Codecs G711/G729	√ / √
T.38 Fax	√ <sup>2)</sup>

#### Remarks:

<sup>1)</sup> CLIR settings in profile are set properly, however provider ignores them at the moment and use another way to activate the CLIR for outgoing calls. See configuration example

<sup>2)</sup> Problem with UC fax calls when other party has ECM enabled. Although the negotiation in T38 is done with ECM off, it looks that somehow ITSP still expects (ECM). Investigated in ITSP side. When ECM is disabled at other side, then problem is not occurring any more.



### 3.16.2. [HGC](#)

System	OSBiz
Released with Version	V2R5
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes <sup>1)</sup>
CLIP no Screening	no
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes <sup>2)</sup>
T.38 Fax	no <sup>3)</sup>
Secure trunk	no

**Remarks:**

<sup>1)</sup> CLIR is supported only with dialing the prefix '133' in front of the external number.

<sup>2)</sup> Officially ITSP is not supporting G729 (annexb=no) but can be offered under customer specific request. Codec is still available in SDP.

<sup>3)</sup> T38 is not officially supported. However, for incoming Fax calls, OSBiz renegotiates for T38 and ITSP may accept it.

Please read the configuration documentation for the following special settings required for correct operation :

- VAD MUST be activated for all codes at VoiceGateway settings
- Redundant Transmission of RFC2833 MUST be disabled (default since V2R5)
- SIP\_EXT port MUST be changed to 5061
- Incoming call To header conveys only the subscriber number

## 3.17. Italy

### 3.17.1. [Broadcloud](#)

see Broadcloud Germany - **France** - **Italy** - **UK** - **Australia** - **USA**

### 3.17.2. [Infracom](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / -
T.38 Fax	-

Note:

There is an open issue with displaying international number format. Display, caller list and callback are not working correctly, because provider is not sending this in standard format.

### 3.17.3. [TWI](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	√ / -
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

### 3.17.4. [Viatek](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√ *1)
SIP Client account	√ *1)
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

\*1) manual configuration of SIP server addresses necessary

## 3.18. Lichtenstein

### 3.18.1. [FL1 Telecom](#)

System	OsBiz
Supported since version	V2_R2.0.0
Provider	
SIP DID account	√ *1)
SIP Client account	
Features	
CLIP / CLIR	√/√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√
Multisite	√ *2)

\*1) manual configuration of SIP server addresses necessary

\*2) Supported, single registration can handle all sites (but not tested)

## 3.19. Luxembourg

### 3.19.1. [IPnexia](#)

for details on IPnexia see the table IPnexia Belgium



## 3.20. Mexico

### 3.20.1. [Telefonica](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	-
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

ITSP certified, but no profile provided in system. Manual configuration of servers according to the ITSP description is needed using the default profile as base template.

## 3.21. Netherlands

### 3.21.1. [BCOM](#)



System	OSBiz
Released with Version	V2R1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes (since V2R5.1)
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

### 3.21.2. [BLU Networks](#)



System	OSBiz
Released with Version	V2R2 / update in V2R7
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

#### Remarks:

Profile update with V2R7

### 3.21.3. [Deanconnect B.V.](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.21.4. [gnTel](#)



System	OSBiz
Released with Version	V2R3
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	Yes / single registration for all sites 1)
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes 2)
T.38 Fax	yes
Secure trunk	Not yet released with OSBiz

#### Remarks:

- 1) Emergency calls are routed based on the calling party number
- 2) G.729 is available as an option which needs one time payment

### 3.21.5. [infopact](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	

### 3.21.6. [KPN VoiPConnect.](#)



System	OsBiz
Supported since version	V2 R2.1.0_262
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√/√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

### 3.21.7. [KPN TLS NL \(KPN EEN over TLS\)](#)



System	OSBiz
Released with Version	V3R1.2
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	yes - single trunk
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	yes

### 3.21.8. [Motto Communications](#)

System	OsBiz
Supported since version	V2_R1
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√/√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

Note: G722 is supported by ITSP

### 3.21.9. [OneCentral](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

Note:

OneCentral is released for SIP MEX feature (available only in OSBiz since V1R3.4 and later sw version)

### 3.21.10. [OneXS](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√



### 3.21.11. [Pocos](#)



System	OSBiz
Released with Version	V3R1.2
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes - single trunk
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

### 3.21.12. [RoutIT](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ /-
T.38 Fax	√

### 3.21.13. [Scaldis B.V.](#)



<b>System</b>	<b>OSBiz</b>
<b>Released with Version</b>	V3R1.2
<b>ITSP Features &amp; Capabilities</b>	
<b>Account (DID/Client)</b>	DID
<b>Multisite</b>	yes - single trunk
<b>CLIP / CLIR</b>	yes / yes
<b>CLIP no Screening</b>	yes
<b>COLP</b>	no
<b>Call Forwarding (302)</b>	no
<b>DTMF (RFC2833/4733)</b>	yes
<b>Codecs G711/G729</b>	yes / yes
<b>T.38 Fax</b>	yes
<b>Secure trunk</b>	no

### 3.21.14. [SIGNET B.V.](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V2_R2.0.1_251
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√/√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√/√
T.38 Fax	√
Multisite	√

### 3.21.15. [Speakup](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.21.16. [tele2](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.21.17. [T-Mobile](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V2_R0.3.1124
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.21.18. [Vodafone](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√-
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.21.19. [Voiceworks NL](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	-

### 3.21.20. [Voiceworks MEX](#)



System	OSBiz
Released with Version	V2R3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	Yes / supported with single registration
CLIP / CLIR	yes / not relevant <sup>1)</sup>
COLP	-
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	not relevant <sup>1)</sup>

**Remarks:**

Mobile phone integration with SIP-MEX

<sup>1)</sup> The certification is done with SIP-MEX in a mode where only SIP-MEX users could use the ITSP route. Consequently, some features (like CLIR) or calls (like fax calls) were unable to be set/used and were not relevant.

### 3.21.21. [VoipQ](#)



System	OSBiz
Released with Version	V3R0.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

**Remarks:**

<sup>1)</sup> deactivated in default, need to be booked at provider

### 3.21.22. [VoIPXS](#)



System	OSBiz
Released with Version	V2R5
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	Yes / single registration for all sites <sup>1)</sup>
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes <sup>2)</sup>
T.38 Fax	yes
Secure trunk	Not yet released with OSBiz

#### Remarks:

<sup>1)</sup> Emergency calls are routed based on the calling party number

<sup>2)</sup> G.729 is available as an option which needs onetime payment

### 3.21.23. [X2COM](#)



System	OSBiz
Released with Version	V2R1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes (since V2R5.1)
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

### 3.21.24. [Ziggo](#)

System	OsBiz
Supported since version	V1_R3.2
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

Ziggo is available for existing installations. The profile should not be used for new installations

### 3.21.25. [Vodafone Ziggo](#)



System	OSBiz
Released with Version	V2R5.1
ITSP Features & Capabilities	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no <sup>1)</sup>
Secure trunk	no

#### Remarks:

<sup>1)</sup>T.38 is not supported by Vodafone Ziggo and MUST be deactivated in the system.

## 3.22. New Zealand

### 3.22.1. [Orcon Ltd](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.22.2. [TelstraClear](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	-



### 3.22.3. [voyager](#)



System	OSBiz
Released with Version	V2R7
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

**Remarks:**

Customer specific profile entries are needed for domain, registrar and proxy

## 3.23. Portugal

### 3.23.1. [Altice \(Portugal Telecom\)](#)



System	OSBiz
Released with Version	V2R6
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	no
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

#### Remarks:

For security reasons OpenScope Business uses dedicated SIP server ports for internal (5060) and external (5070) traffic. Altice handle SIP traffic on port 5060 in default, thus the external SIP port in Openscape Business MUST be configured to 5060. Please check the configuration document.

### 3.23.2. [Portugal Telecom](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√ / -
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

ITSP certified, but no profile provided in system. Manual configuration of servers according to the ITSP description is needed using the default profile as base template.

### 3.23.3. Vodafone



System	OpenScape business
Released with Version	V2R5
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes <sup>1)</sup>
CLIP / CLIR	yes / yes
COLP	no
CLIP no screening	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no <sup>1)</sup>
Secure trunk	no

#### Remarks:

<sup>1)</sup> Vodafone can give different numbers from different locations in one single registration

<sup>2)</sup> T.38 is not supported by Vodafone and MUST be deactivated in the system

Vodafone will use customer specific server addresses, thus the profile needs to be completed during configuration of the system

## 3.24. Saudi Arabia

### 3.24.1. [Saudi Telecom Company](#)

System	OSBiz
Released with Version	V2R6
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	no
CLIP / CLIR	yes <sup>2)</sup> / yes
CLIP no Screening	no
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	no
Secure trunk	no

**Remarks:**

<sup>1)</sup> No registration is used

<sup>2)</sup> the calling party is represented in implicit format for national and international calls, for that reason international calls are presented with the wrong prefix in caller list and applications

Customer specific profile entries are needed for proxy address

For security reasons OpenScope Business uses dedicated SIP server ports for internal (5060) and external (5070) traffic. STC handle SIP traffic on port 5060 in default, thus the external SIP port in Openscope Business MUST be configured to 5060. Please check the configuration guide for details

UC is not tested and released with STC

## 3.25. Serbia

### 3.25.1. [Orion Telekom](#)

System	OsBiz
Supported since version	V1_R3.2.0
Provider	
SIP DID account	√ *1)
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

\*1) without registration

### 3.25.2. [Telenor](#)

System	OsBiz
Supported since version	V1_R3.3.0
Provider	
SIP DID account	√ *1)
SIP Client account	-
Features	
CLIP / CLIR	√ / -
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

\*1) without registration

## 3.26. Slovakia

### 3.26.1. [Slovak Telekom](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√ *1)
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

1) without registration

Restrictions from Certification:

Semi-Attended Transfer with 2 PSTN fails → ITSP error

No MoH when SIP holds PSTN fails → ITSP error

## 3.27. Slovenia

### 3.27.1. [A1 SIP Trunk](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.27.2. [Detel](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.27.3. [MegaM](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / √
T.38 Fax	-

ITSP certified, but no profile provided in system. Manual configuration of servers according to the ITSP description is needed using the default profile as base template.

### 3.27.4. [T-2](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / √
T.38 Fax	-

ITSP certified, but no profile provided in system. Manual configuration of servers according to the ITSP description is needed using the default profile as base template.

### 3.27.5. [Telemach](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / √
T.38 Fax	-

## 3.28. South Africa

### 3.28.1. [Nashua NCN](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.28.2. [Vodacom](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

ITSP certified, but no profile provided in system. Manual configuration of servers according to the ITSP description is needed using the default profile as base template.



## 3.29. Spain

### 3.29.1. [LCR](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.29.2. [Telecable](#)

System	OsBiz
Supported since version	V2R1.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.29.3. [vozelia](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	√
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	- / √
T.38 Fax	-

### 3.29.4. [VozTelecom](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V2_R2.0.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	
<b>Features</b>	
CLIP / CLIR	√/√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√
Multisite	-

## 3.30. Sweden

### 3.30.1. [Tele2](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√ *1
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

\*1 no registration / static IP is used

Note: Tele2 is released for SIP MEX feature (available only in OSBiz since V1R3)

### 3.30.2. [Telia](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	-
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	-
Codecs G.711/G.729	√ / -
T.38 Fax	√ *1

\*1 = only outgoing

## 3.31. Switzerland

### 3.31.1. [E-fon AG](#)

System	OsBiz
Supported since version	V1_R3.3.553
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.31.2. [Improware](#)



System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	<i>not relevant in SWZ</i>
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes <sup>2)</sup>
Codecs G711/G729	yes / no
T.38 Fax	yes
Secure trunk	no

#### Remarks:

<sup>1)</sup> Clip no Screening needs to be booked at ITSP (one time fee)

<sup>2)</sup> RFC2833 payload type MUST be set to 101 in the system

### 3.31.3. [Nexphone](#)

System	OSBiz
Released with Version	V3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes <sup>1)</sup>
Codecs G711/G729	yes / yes
T.38 Fax	no <sup>2)</sup>
Secure trunk	no

#### Remarks:

<sup>1)</sup> Nexphone does not support RFC2833 negotiation. RFC2833 payload type MUST be configured with 101 in the system and connected SIP devices

<sup>2)</sup> T.38 MUST be deactivated in the system

### 3.31.4. [Peoplefone AG \(CH\)](#)

System	OsBiz
Supported since version	V2_R0.3.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.31.5. [sipcall](#)

System	OsBiz
Supported since version	V1_R1.1.0
Provider	
SIP DID account	-
SIP Client account	√
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

ITSP certified, but no profile provided in system. Manual configuration of servers according to the ITSP description is needed using the default profile as base template.

### 3.31.6. Sunrise

**Sunrise**

System	OSBiz
Released with Version	V1R3.3 update with V3R0.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	
CLIP / CLIR	yes / yes
CLIP no Screening	yes
COLP	no
Call Forwarding (302)	yes
DTMF (RFC2833/4733)	yes <sup>1)</sup>
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

<sup>1)</sup> only Payload Type 101 is supported -> OSBiz and SIP endpoints must be configured accordingly

### 3.31.7. [Swisscom BCON](#)

System	OsBiz
Supported since version	V1_R3.3.55 3
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√ <sup>1)</sup>
Codecs G.711/G.729	√ / √
T.38 Fax	-

1) Only Payload Type 101 supported -> System and SIP endpoints has to be configured accordingly

### 3.31.8. [Swisscom Enterprise SIP](#)

System	OsBiz
Supported since version	V2_R2.0.0
Provider	
SIP DID account	√
SIP Client account	
Features	
CLIP / CLIR	√/√
COLP	√
DTMF (RFC 2833)	√ <sup>1)</sup>
Codecs G.711/G.729	√ / √
T.38 Fax	√
Multisite	Supported

1) Only Payload Type 101 supported -> System and SIP endpoints has to be configured accordingly



### 3.31.9. [Swisscom Smart Business Communication](#)

System	OsBiz
Supported since version	V2_R0.3.0
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√ <sup>1)</sup>
Codecs G.711/G.729	√ / √
T.38 Fax	√

1) Only Payload Type 101 supported -> System and SIP endpoints has to be configured accordingly

### 3.31.10. [Swisscom VoipGate](#)

System	OsBiz
Supported since version	V2_R0.3.xx x
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√ <sup>1)</sup>
Codecs G.711/G.729	√ / √
T.38 Fax	√

1) Only Payload Type 101 supported -> System and SIP endpoints has to be configured accordingly

### 3.31.11. [Telco Pack SA](#)

System	OsBiz
Supported since version	V1_R3.3
Provider	
SIP DID account	√
SIP Client account	-
Features	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.31.12. [UPC CH Internet Registration](#)



System	OSBiz
Released with Version	V2R7.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	yes
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

#### Remarks:

<sup>1)</sup> need to be booked at UPC

Please check the configuration description for details about T.38 and DTMF configuration.

### 3.31.13. [UPC CH Internet Static IP](#)



System	OSBiz
Released with Version	V2R7.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>1)</sup>
COLP	yes
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no
Secure trunk	no

#### Remarks:

<sup>1)</sup> need to be booked at UPC

Please check the configuration description for details about Port, T.38 and DTMF configuration.

The formerly defined Cablecom profile is no longer available in OpenScope Business.

### 3.31.14. [vtx](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

## 3.32. United Kingdom

### 3.32.1. [Broadcloud](#)

see Broadcloud Germany - France - Italy - UK - Australia - USA

### 3.32.2. [BT IPVS](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

BT IPVS is available for existing installations. The profile should not be used for new installations

### 3.32.3. BT Wholesale SIP Trunking



System	OSBiz
Released with Version	V2R4.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	yes <sup>2)</sup>
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>3)</sup>
COLP	-
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes <sup>4)</sup>
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

#### Remarks:

<sup>1)</sup> No registration is used

A static IP is a prerequisite to connect to the BT Wholesale SIP Trunking service. Please see the configuration description for details.

<sup>2)</sup> the service can provide multiple unrelated number ranges on the same trunk

<sup>3)</sup> CLIP no Screening is supported if the number is pre-approved by BT but not in call diversion scenarios.

<sup>4)</sup> Currently the service doesn't ensure that all DTMF sent as RTP events, meaning another SIP customer may send you in-band tones only. However, later this year BT will be adding in the functionality for DTMF destined for a customer to be RTP events only.

3.32.4. [BT Wholesale Hosted Communications](#)

System	OSBiz
Released with Version	V4.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	no
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

**Remarks:**

There are a suite of features provided at a trunk level which can be used to introduce additional functionality to the ITSP, however, there are limitations on which features are and are not supported with OpenScope Business. Please check the configuration document for details

### 3.32.5. [Gamma](#)



System	OSBiz
Released with Version	V1R1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	yes
CLIP / CLIR	yes / yes
CLIP no Screening	yes <sup>2)</sup>
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes
Secure trunk	no

**Remarks:**

<sup>1)</sup> No registration is used

<sup>2)</sup> optional feature, needs to be booked at Gamma CLIP no Screening (known to Gamma as CLI Flexibility) is supported if the number is pre-approved by Gamma but not in call diversion scenarios.

Customer specific profile entries are needed for proxy address

A static IP is a prerequisite to connect to Gamma.

**For security reasons OpenScape Business uses dedicated SIP server ports for internal (5060) and external (5070) traffic. Gamma handle SIP traffic on port 5060 in default, thus the external SIP port in Openscape Business MUST be configured to 5060.**

**Updated profile with V2R7.1 available**

### 3.32.6. [KCOM](#)

System	OsBiz
Supported since version	V2_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.32.7. [TalkTalk](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V2_R0.3.11 24
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.32.8. [tIPicall](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R3.2
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

tIPicall is available for existing installations. The profile should not be used for new installations



### 3.32.9. [Vodafone](#)



System	OSBiz
Released with version	V2R3
<b>Capabilities&amp;Features</b>	
Account (DID/Client)	DID <sup>1)</sup>
Multisite	yes <sup>2)</sup>
CLIP / CLIR	yes / yes
COLP	-
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes
T.38 Fax	yes

#### Remarks:

<sup>1)</sup> No registration is used

<sup>2)</sup> Multisite is supported by ITSP (numbers from different location areas are possible)

### 3.32.10. [VoiceFlex](#)

System	OsBiz
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.32.11. [VoIP Ltd i-Line](#)

System	OsBiz
Supported since version	V1_R3.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	-
COLP	-
DTMF (RFC 2833)	√ / -
Codecs G.711/G.729	√ / √
T.38 Fax	-

## 3.33.U.S.A.

### 3.33.1. [AT&T](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.33.2. [Broadcloud](#)

see Broadcloud Germany - France - Italy - UK - Australia - USA

### 3.33.3. [CenturyLink](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√ *1)
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√ / √
COLP	√
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / -
T.38 Fax	√

\*1) CenturyLink will use customer specific server addresses, thus the profile needs to be completed during configuration of the system

### 3.33.4. [Fusion 360](#)



System	OSBiz
Released with Version	V2R3
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	yes <sup>1)</sup>
CLIP / CLIR	yes / yes
COLP	-
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / yes <sup>2)</sup>
T.38 Fax	no

**Remarks:**

<sup>1)</sup> Multisite is supported by ITSP (under the same registration, numbers from different location areas are possible)

<sup>2)</sup> G729A is possible, but not recommended. G729AB is not supported

Please note that our tests have shown that fax transmission using the T.38 protocol with the Fusion 360 trunks was not successful. T.38 MUST be deactivated in the system.

### 3.33.5. [IPfone](#)



System	OSBiz
Released with Version	V2R7.1
<b>ITSP Features &amp; Capabilities</b>	
Account (DID/Client)	DID
Multisite	no
CLIP / CLIR	yes / yes
CLIP no Screening	no
COLP	no
Call Forwarding (302)	no
DTMF (RFC2833/4733)	yes
Codecs G711/G729	yes / no
T.38 Fax	no <sup>1)</sup>
Secure trunk	no

**Remarks:**

<sup>1)</sup> T.38 must be disabled in system

### 3.33.6. [Intermedia.net Inc](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V2_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	-
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

### 3.33.7. [SoTel](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

### 3.33.8. [Windstream](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	-

**Note:**

Only the actual Broadsoft Platform is tested and released.  
Manual entries are needed for the Basic servers (Proxy-Registrar) depending on platform and region.

### 3.33.9. [XO](#)

<b>System</b>	<b>OsBiz</b>
Supported since version	V1_R1.1.0
<b>Provider</b>	
SIP DID account	√
SIP Client account	√
<b>Features</b>	
CLIP / CLIR	√
COLP	-
DTMF (RFC 2833)	√
Codecs G.711/G.729	√ / √
T.38 Fax	√

## Table of History

Version	Date	Changes
...	...	....
86	2019-07-12	<p>Update for V2R7:            Add new ITSP profiles:                Vodafone Anlagenanschluss R4 - Germany                NetCologne ProPhone SIP - Germany                Steffel-Voice – Germany                Plusnet IPfonie extended - Germany                Plusnet IPfonie extended connect – Germany                TNG Stadtnetz – Germany                autphone - Germany                IP Directions - France                BLU – Netherlands                Voyager - New Zealand                A1 SIP Trunk registrierend - Austria</p> <p>Update supported ITSP profiles:                ecotel sipTrunk connect 1.0 (direction attribute)                easybell (From header user part, diversion number in PAI)</p>
87	2019-11-08	<p>Update for V2R7.1:            Add new ITSP profiles:                Telekom CompanyFlex SIP Trunk - Germany                Teliko - Germany                Jaguar Network - France                Foliateam – France                UPC Internet registration- Switzerlang                UPC Internet static IP- Switzerlang                Vivo - Brazil</p> <p>Update supported ITSP profiles:                A1 Telekom registrierend (use DNS-SRV)                Gamma (COLP disabled)                Purtel (reregistration interval)                Steffel Voice (CLIPnoScreening)                Vodafone Anlagenanschluss R3 (CLIR has call number in From:)                Vodafone Anlagenanschluss R4 (CLIR has call number in From:)</p> <p>Delete obsolete profiles:                Acropolis -&gt; replaced by Foliateam operateur                Ennit AG -&gt; replaced by TNG Stadtnetz                QSC AG, IPfonie extendend -&gt; replaced by Plusnet                QSC AG, IPfonie extendend connect -&gt; replaced by Plusnet                Cablecom</p>
88	2020-06-02	<p>Update for V3:            Add new ITSP profiles:                Unitymedia – Germany                CITEC Universe SIP Trunk – Germany                Omnidat – Germany                R-Kom – Germany                ImproWare - Switzerland                BCOM – Belgium                X2Com – Belgium                WOBCOM – Germany</p>

Version	Date	Changes
		<p>Wilhelm.tel – Germany            Codepi – France            Datel – Germany            Tele AG – Germany            Nexphone - Switzerland</p> <p>Update supported ITSP profiles:            Destiny (use session timer)            BKM – Belgium (server names, call number format,..)            Telekom company Flex – original number in From            Telekom DLAN SIP Trunk – original number in From</p> <p>Delete obsolete profiles:            Acropolis – France            Tus Telekom</p>
89	2020-10-19	<p>Update for V3R0.1:            Add new ITSP profiles:            TelemaxX – Germany            VoipQ - Netherlands</p> <p>Update supported ITSP profiles:            Sunrise – Switzerland (general update)</p> <p>Delete obsolete profiles:            n/a</p>
90	2021-03-01	<p>Update for V3R1:            Add new ITSP profiles:            Voiceworks DE – Germany</p> <p>Update supported ITSP profiles:            Voiceworks NL – Netherlands (new name)</p> <p>Delete obsolete profiles:            n/a</p>
91	2021-12-13	<p>Update for V3R1.2:            Add new ITSP profiles:            KPN TLS NL – Netherlands            Pocos NL - Netherlands            rgi VoIP Trunk 200 – Germany            Scaldis B.V. - Netherlands</p> <p>Update supported ITSP profiles:            Ecotel sip Trunk 2.0 – support of Geo-Redundancy            purtel – stopped T.38 Fax service            Telekom Company Flex – no switch back to the primary SIP outbound proxy within 15 minutes (hidden parameter – automatically active)            Telekom DLAN SIP Trunk – no switch back to the primary SIP outbound proxy within 15 minutes (hidden parameter – automatically active)</p> <p>Obsolete profiles (to be deleted in upcoming HotFix):            KPN TLS NDL – Netherlands            Pocos NDL - Netherlands</p>
92	2022-06-01	<p>Update for V3R2:            Add new ITSP profiles:            AAPT – Australia</p> <p>Released without profiles:            EasyFone - Germany            Keyyo – France</p> <p>Update supported ITSP profiles:</p>



Version	Date	Changes
		Vodafone Anlagenanschluss R4 – recertified R4.b incl. TLS (w/o profile change) Delete obsolete profiles: KPN TLS NDL – Netherlands Pocos NDL - Netherlands
93	2022-06-08	2 <sup>nd</sup> Update for V3R2: Released without profiles: envia TEL - Germany



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