

Carrier Pre Select – Call Termination via IP Exchange

Introduction:

CPS is a mechanism which allows End Users to select alternative operators in advance without dialling additional codes on the telephone. The customer subscribes to the services of one or more CPS operators (CPSOs) and chooses the type of calls (e.g. all national calls) that will be routed through the alternative operator.

There are three types of call option under CPS, these are:

- International calls (calls to the Republic of Ireland and overseas).
- National calls (this does not include local calls, international calls, calls to mobiles or calls to non-geographic numbers including the national rate 0870 range).
- All Calls (including international, national, local, mobile, and non-geographic e.g. Freephone, local rate, national rate, premium rate, personal and paging numbers).

An End User can have both the National and International options at the same time, either from the same provider or from two different providers.

The All Calls option cannot be combined with any other CPS option.

Subject to survey, CPS is available on either a BT Retail line or a CP WLR line. It is however excluded from certain line types which are listed below.

BT Products that are excluded services for CPS Operators and cannot have CPS applied to them.

- Social Telephony (e.g. Light User scheme)
- MSN – individual CPS configuration for each CLI
- Public and managed payphones
- VOIP Service (using geographic number)
- CPS over IP Exchange does not support CPS SAD (Same/Adjacent DLE)

CPS Call Routing:

A CPS access code will be a four digit non-diallable prefix.

Where a customer has elected to have calls routed by CPS, the following will apply:

Calls to ranges subject to CPS will be routed according to the customer's selected CPSOs agreed Point of Interconnection.

CPS will not apply to calls using Type A short codes (e.g. 100, 999, 112, 192), Type C (operator specific) short codes or the 0844 04yyxxx and 0808 99yyxxx number ranges used for unmetered Internet access (with unmetered interconnect).

A list of Type A & Type C short codes can be found on Ofcom's website –

<http://www.ofcom.org.uk/static/numbering/s10.xls>

Where no CPS option is made, relevant calls will be routed according to the decision of BT.

Local calls shall be interpreted as calls to those geographic destinations which are charged at local call rate by the originating Network Operator.

Where a call is routed by CPS, BT IP Exchange will prefix the customer's dialled digits with the CPSO's CPS access code before passing the call across the CPSO's agreed Point of Interconnection.

The CPS access code ensures routing through the BT IP Exchange network to the CPSO's agreed Point of Interconnection.

Where a call subject to CPS is dialled by the End User using the local dialling format, BT IP Exchange will insert the leading zero and area code between the CPS access code and the dialled number.

CPS facilities shall not apply to operator controlled calls, including transfer charge calls. Operator and other special services of CPS Operators will be accessed using the appropriate indirect access code.

The following number strings will receive a four second post dial delay when routing over IP Exchange:

- 10 digit 01 numbers
- 10 digit 0800 numbers
- All International numbers
- Private numbering plans behind IDA codes

Full details can be found in the IP Exchange Technical Handbook section 2.7 at:

https://www.btwholesale.com/pages/static/products-services/ip-exchange.htm?id=handbook_and_technical_documents_click

Service Establishment for CPS.

CPS service establishment will be completed by BT Wholesale IP Exchange as a standard interconnect service to qualifying CPS Operators.

New BT Wholesale Customers should follow the link below.

<https://www.btwholesale.com/pages/static/help-and-support/pricing/carrier-price-lists.htm>

Existing BT Wholesale customers should contact their BT Wholesale Account Manager.

Full details of the CPS Service Establishment process can be found in the Carrier Pre-Selection End to End Process Description Document which can be found on Ofcom's website.

http://stakeholders.ofcom.org.uk/binaries/telecoms/groups/pre/cps_e2e_process.pdf

Ordering of CPS

CPSOs order CPS via the CPS Gateway access to which will be set up as part of the CPS Service Establishment process.

Further information on how to place orders can be found in the Carrier Pre-Selection End to End Process Description Document which can be found on Ofcom's website

http://stakeholders.ofcom.org.uk/binaries/telecoms/groups/pre/cps_e2e_process.pdf

And the Carrier Pre-Selection (CPS) IT Automation Description Document which can be found on Ofcom's website –

http://stakeholders.ofcom.org.uk/binaries/telecoms/groups/pre/CPS_IT_Auto_v10.pdf

Incompatible Products

There is a number of service incompatibilities associated with CPS. Some service incompatibilities associated with CPS only apply to CPSOs who do not support Last Diverting Line Identity on their Network (More information on LDLI can be found in the Carrier Pre-Selection End to End Process Description Document). A table detailing the descriptions of the products that will result in a provision order being rejected is available via by following this link.

https://www.btwholesale.com/pages/sc/documents/products-services/carrier-pre-selection/cps_conflicting_and_excluded_products_latest.doc

Billing:

CPS over IP Exchange is only available with **Type B billing** -billing differentiation to same level as TDM interconnect i.e. more detailed pricing structure than for Type A.

BT IP Exchange will bill CPS operators monthly for their usage of CPS as per the BT Wholesale Carrier Price List sections B1.10, B7.01 and B7.03.

Further information can be found on the BT Wholesale web site.

https://www.btwholesale.com/pages/static/Library/Pricing_and_Contractual_Information/carrier_price_list/cpl_sectionb7carrierpreselection.htm

https://www.btwholesale.com/pages/static/Library/Pricing_and_Contractual_Information/carrier_price_list/cpl_sectionb1telephony.htm

https://www.btwholesale.com/pages/static/Library/Pricing_and_Contractual_Information/carrier_price_list/cpl_sectionb7carrierpreselection.htm

Please note: there is an addition IP User (IPUC) pence per minute (PPM) rate – prices are available on request via the BTW Account Management team.

Customer Service:

Please refer to the Customer Service Plan which can be found on the BT Wholesale Web site (within the VOICE tab) for a full list of contacts for CPS.

https://www.btwholesale.com/pages/static/help-and-support/product-documentation.htm?id=customer_service_plans_csps_click

Briefings:

Briefings for Carrier Pre-Selection Operators are issued to all CPSOs when required by BT IP Exchange.