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| Colt Number Hosting  18th May 2024 Release Notes |

# Introduction

This document describes the Colt Number Hosting 18th May 2024 release.

The release will focus on

1. Address Management and Directory services update in Switzerland
2. NOD and B2B API improvements.
3. Introduction of RIO codes in the wider business market in France
4. Introduction of CIF/NIF/VAT ID check in Portugal and Spain
5. Updated operator list for France and Switzerland

**These changes might imply development at your end, so please read this document carefully.**

The changes in this release require your support during our test period. The Customer UAT is planned from 8th April 2024 to 26th April 2024. Please get in touch with [NumberHostingUATSupportTeam@COLT.NET](mailto:NumberHostingUATSupportTeam@COLT.NET) if you would like to participate in the UAT.

# Document change control

|  |  |
| --- | --- |
| **Version** | **Change description** |
| V1 | 18th May 2024 Release note |
| V2 | Updates in   1. section ***Address Management & Validation in Switzerland***.    * Premises number field is Mandatory under end customer details and DSU node    * Length of DSU telephone number is equal to 12    * End customer name field removed from DSU node. 2. OAS specification for VAT validation added in section ***Introduction of CIF/NIF/VAT ID check in Portugal & Spain*** |
| V3 | Updates in section ***Numbers on Demand (NOD) and B2B API improvements***. Changes are highlighted.   1. More details on NL 088 activations (Sr no 8) 2. Added a new enhancements in the list (Sr no 16) |

# Address Management & Validation in Switzerland

To ensure regulatory compliance in Switzerland, important changes relating to address management and validation, and directory services will be implemented as follows:

* Some validation of existing fields will be updated. Fields which are changing are marked ‘**Update’** in the table below. Other fields are marked as ‘**Remove**’ - see table below.
* Update EDB address and Directory Service Update are now clubbed together in an End-customer Address Update
* CLI level DS values can be provided in the request
  + In SOAP interface - Use directoryServicesDetails node single or multiple as the structure is modified its cardinality from single to list.
  + In REST API - Use directoryServicesDetails node If single CLI included. Use groupedCliRangeSpecList node if single or multiple CLI included.
* Final address verification and validation will be performed with Informatica Address Doctor v4
* Updated operator list of Switzerland- the allowed current operator list is present in ***Appendix D: Operator list for Switzerland*** . only these values will be accepted in B2B API requests while placing port-in request.

All changes are applicable in Switzerland (CH) for number Activation, new Port-In & Address Update operations. The fields are described in the table below:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Element | Description | Change | Current Type | Current Length | Updated Type | Updated Length | Customer Action |
| End customer Name and details | | | | | | | |
| endCustomerName | It is the end customer name to whom numbers will be activated. | **Update** | M | L ≤ 80 | M | L ≤ 60 | Length decrease to 60 |
| buildingName | Name of the building | **Remove** | CM | L ≤ 50 | - | - | Field removed |
| premisesNumber | Number of the building | **Update** | CM | L ≤ 20 | M | L ≤ 12 | Length decrease to 12  Field is mandatory |
| streetName | Name of the street | No change | M | L ≤ 50 | - | - | - |
| cityTown | Name of the Town. | **Update** | M | L ≤ 50 | M | L ≤ 30 | Length decrease to 30 |
| postalZipCode | postalCode | No change | M | L = 4 | - | - | - |
| municipality | Municipality | **Remove** | M | L ≤ 100 | - | - | Field removed |
| Directory services update (Optional Node) | | | | | | | |
| orderType | Allowed values:  New  Cease  Amend | No change | M | LOV | - | - | Only "New" value is applicable for Activation and Portin orders.  Only "Cease" value is applicable for Deactivation and Portout Journeys.  All 3 New, Modify and Cease values are applicable in Modify Operation when DSU changes are required. |
| endCustomerName | It is the end customer name to whom numbers will be activated. | **Remove** | M | L ≤ 80 | - | - | Field removed |
| listingLanguage | Allowed values are in bold **E** : English **F**: French  **D**: German  **I**: Italian | No change | M | LOV | - | - |  |
| allowAdvertisingCalls | Allowed values are in bold: **Yes** = agree to receive advertising calls  **No** = do not agree to receive advertising calls (Default) | **Update** | O | LOV | M | LOV | Field is mandatory |
| companyEmailAddress | Email address | **Update** | O | L ≤ 50 | O | L ≤ 150 | Length increased to 150 |
| additionalInstructions |  | **Remove** | O | L ≤ 250 | - | - | Field removed |
| buildingName | Name of the building | **Remove** | CM | L ≤ 50 | - | - | Field removed |
| premisesNumber | Number of the building | **Update** | CM | L ≤ 20 | M | L ≤ 12 | Length decrease to 12  Field is mandatory |
| streetName | Name of the street | No change | M | L ≤ 50 | - | - | - |
| cityTown | Name of the Town. | **Update** | M | L ≤ 50 | M | L ≤ 30 | Length decrease to 30 |
| postalZipCode | postalCode | No change | M | 4 | - | - | - |
| telephoneNumber | DSU Telephone number | **Update** | M | L ≤ 20 | M | L =12 | decrease the length from 14 to 12.  Publish only 1 CLI number for the DSU without short number logic. DSU Telephone number should be validated with number range selected in the order. include for each number range selected in UI needs to populate individual DSU Telephone number. |
| Parent Start Telephone Number(DSU) | Parent Start Telephone Number(DSU). | New |  |  | CM | L = 12 | Conditional Mandatory with order level startFullNumber and endFullNumber with multiple number ranges or multiple individual CLI's are provided if operation type is Activation and Portin Activation. Otherwise it is optional |
| Parent End Telephone Number(DSU) | Parent End Telephone Number(DSU) | New | - | - | CM | L = 12 | Conditional Mandatory with order level startFullNumber and endFullNumber with multiple number ranges or multiple individual CLI's are provided if operation type is Activation and Portin Activation. Otherwise it is optional. |
| Old Telephone Number(DSU) | Previously listed Telephone number | New | - | NA | O | L = 12 | Only used when OrderType(DSU) is AMEND.  Used if DSU telephone number to be changed from one number to another with or without changing the other DSU details.  Publish only 1 CLI number for the DSU without short number logic. |

# Numbers on Demand (NOD) and B2B API improvements

Below are 16 improvements targeted for release on 18th May 2024.

Updated XSDs and API OAS specifications can be found in the Appendix A: XSD and Appendix B: API specifications.

| Sr no | Functionality | Interface | Improvement Description | Country Scope | Code Breaking change for customer (Yes/No) |
| --- | --- | --- | --- | --- | --- |
| 1 | **API**: getNumberDetails, GET/CLIDetails **NOD**: Number Details | NOD and B2B APIs | Extending the number details functionality to Germany.  API Response will include:  - Number(s)  - NumberStatus  - End Customer Details (Germany specific : customerType, endCustomerName, firstName, lastname, Date Of Birth)  - End Customer Address (Germany specific : houseNumber, streetName, city, postalCode)  - End Customer Status : "Active" OR "Inactive" | DE | No |
| 2 | **Quick notes for Port-out orders** | NOD and B2B APIs | You can now perform ‘QuickNotes’ on port-out orders when Port-out is in progress. | All except NL | No |
| 3 | **Number Migrate In functionality** | NOD | You can now enter the numbers in the same way as port-in for Number Migrate In functionality. | All except NL | No |
| 4 | **Range rules for Germany** | NOD and B2B APIs | While placing any port-in order for Germany, 0-9, 00-99, … rule should be followed.  The same rule is applicable for modify port scenarios.  NOD and APIs will throw the error upfront if the entered range is not following this rule | DE | No |
| 5 | **Search of customer owned free numbers by CLI** | NOD and B2B APIs | You can now search your free numbers via   1. NOD using ‘My Telephone number’ page by selecting CLI as search parameter. 2. B2B APIs using number enquiry feature by providing CLI in the request | FR (customer who are owning their own numbers) | No |
| 6 | **Search of customer owned free nomadic numbers** | NOD and B2B APIs | If you’re owning 09 numbers with different main numbers/extension in France then you can now search the free nomadic numbers using NOD and B2B APIs by providing LAC and extension in the request | FR | Yes (only if you want to use this feature) |
| 7 | **LAC cannot be provided for nomadic LAC searches for other countries.** | B2B APIs | LAC based search via APIs for nomadic numbers is not supported. Appropriate error message will be returned if LAC/extension is provided in the request | All except FR (customer owned numbers) and countries where we don’t offer Nomadic numbers | No |
| 8 | **Activation, deactivation and address update of NL 088 numbers** | NOD and B2B APIs | You can now activate, deactivate and perform address updates on NL 088 numbers via NOD and B2B APIs.  Activation of 088 numbers via NOD and B2B APIs can be done using ‘Port In’ functionality.  You need to select the check box (NOD) or provide ‘Yes’ as the value for ‘newActivation’ flag (for B2B APIs) to place new activation request. | NL | Yes (only if you want to use the feature) |
| 9 | **User account management** | COL | **Current behavior** : today the user account management is managed internally by Colt i.e. Colt create, modify and delete user accounts in your domain  **New behavior**: you can perform these actions on your own for your team mates via Colt Online. More details will be shared in the NOD & Colt Online user guides. | All | No |
| 10 | **Port-In** | NOD and B2B APIs | Port-in request will expire after 10 WD of selected porting window at the time of request submission.  Customers are advised to initiate the porting on time. In such cases portin request will move from ‘Firm order commitment’ status to ‘Expired’. | BE | No |
| 11 | **activation, address update and portin request** | NOD and B2B APIs | NOD and B2B APIs will throw the error upfront of customer tries to place activation, address update and portin request with CEDEX postcodes | FR | No |
| 12 | **Synchronous callBack notifications** | - | You’ll now receive API call back notifications within 5-10 secs of order submission.This is applicable for customers who has opted for ‘callBack’. | All | No |
| 13 | **NL port-in deactivation (partial)** | NOD and B2B APIs | You can now perform partial deactivation on ported-in numbers for NL via NOD and B2B APIs | NL | No |
| 14 | **Number Reservation, Activation** | NOD and B2B APIs | You’ll get an error upfront in case the number is not entered in below format:  - A range of 1 has no Start Range and End Range format.  - A range of 10 must have the Start Range and End Range format as (0-9)  - A range of 100 must have the Start Range and End Range format as (00-99)  - A range of 1000 must have the Start Range and End Range format as (000-999)  For Port-IN the allowed Range format is applicable as below:  **1. For LU/SK/FI**  - A range of 1 has no Start Range and End Range format  - A range of 10 must have the Start Range and End Range format as (0-9)  - A range of 100 must have the Start Range and End Range format as (00-99)  - A range of 1000 must have the Start Range and End Range format as (000-999)  - A range of 10000 must have the Start Range and End Range format as (0000-9999)  **2. For NO/PL**  - A range of 10 must have the Start Range and End Range format as (0-9)  - A range of 100 must have the Start Range and End Range format as (00-99)  - A range of 1000 must have the Start Range and End Range format as (000-999)  - A range of 10 to 90 must have the Start Range and End Range format as (0-9)  - A range of 100 to 900 must have the Start Range and End Range format as (00-99)  3. **For RO/CZ**  - RO/CZ don´t have rules for the range format. | Zone B | No |
| 15 | **Operator list** | NOD and B2B APIs | Please refer to ***Appendix C: Operator list for France*** for updated FR operator list. The old values or names will no longer work and system will reject the operator names which are not in this list. | FR | Yes |
| 16 | **Reservation and activation of Nomadic numbers** | NOD and B2B APIs | You can now search free nomadic numbers for Zone B countries and reserve/ activate using NOD and B2B APIs.  B2B API parameters:  NumberType: Geo  NumberCategory: Nomadic | Zone B countries (except Norway) | No |

# Introduction of RIO codes for the wider business market in France

There are some changes to the use of RIO codes in France, which came into effect from 1st December 2023, pursuant to Arcep’s decision no 2022-2148.

A RIO code is a unique identifier associated to a telephone number, which is created when a consumer or small business request a new telephone number in France and its purpose is to facilitate the portability process.  If they wish to move / port numbers to a new operator, then the new operator will request the RIO code provided by the current operator for each single telephone number from the consumer / small business in order to validate that the port order is legitimate and to implement the porting order.  These RIO codes are not yet mandatory in the wider business market but this will gradually change.

The changes are:

1. Colt, as a technical operator, must define a unique RIO code for every:
   1. Colt geographic or location independent number
   2. Geographic or location independent number ported-in to Colt
   3. Geographic or location independent number hosted by Colt on your behalf – this includes both new and ported-in numbers where you have mandated Colt as your OPTA (i.e. where we technically manage the porting of your numbers on your behalf)
2. Colt must make these RIO codes available to you via a secure portal, which is our Numbers on Demand portal and over API and these will be available in our May 2024 release.   Up until the May 2024 release, if you require the RIO code for e.g. a consumer / small business port, then please get in touch with [FRPortingDesk@colt.net](mailto:FRPortingDesk@colt.net).

It is not foreseen that RIO codes will be required for number portability in the wider business market until 2025, due to the complexity of inter-operator process & system integration work and pursuant to Arcep’s decision.

In a wider context, if you currently support consumers, we would like to remind you that consumer-specific obligations apply pursuant to the regulations, including the provision of an IVR service through which you provide the RIO code associated to a specific number.

As an operator providing voice services in France, you are responsible for portability to your end-customers and other operators, even where Colt is technically managing portability for you as your OPTA.  Obligations regarding how the RIO codes should be shared with your subscribers apply, as well as other obligations related to portability (i.e. additional information to be provided to your subscribers,  contractual provisions, etc.). Obligations may vary depending on the customer type (business, small business, consumer) and the kind of service you provide (OTT, single-number or multi-number offers, etc.).

For further information please see this decision from ARCEP: [https://information.colt.net/hubfs/22-2148\_FR\_Published%20document\_22Mar2023%20en-GB.pdf](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Finformation.colt.net%2Fhubfs%2F22-2148_FR_Published%2520document_22Mar2023%2520en-GB.pdf&data=05%7C02%7CYamini.Choudhary2%40colt.net%7C2fc54de36b384b06ce8c08dc2d78d2ee%7Cb859cf7eff8a40bbbd0fda56e6dc0eb8%7C1%7C0%7C638435244149703782%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=J07xc0auGCG8h6rGByn3RgNJtvHEVy2pG5kxQR1x0G0%3D&reserved=0)

The RIO code will be present against each CLI in the Numbers on Demand portal when viewing the ‘Number Details’ and will be returned in the B2B API response (SOAP/HTTPs: getNumberDetails and REST: GET/CLIDetails) as well.

# Introduction of CIF/NIF/VAT ID check in Portugal & Spain

In this release we are introducing an external check on the CIF/NIF/VAT ID in Portugal and Spain against the European Commission’s VAT Information Exchange System (VIES). – see: [https://europa.eu/youreurope/business/taxation/vat/check-vat-number-vies/index\_en.htm](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Feuropa.eu%2Fyoureurope%2Fbusiness%2Ftaxation%2Fvat%2Fcheck-vat-number-vies%2Findex_en.htm&data=05%7C02%7CYamini.Choudhary2%40colt.net%7C2fc54de36b384b06ce8c08dc2d78d2ee%7Cb859cf7eff8a40bbbd0fda56e6dc0eb8%7C1%7C0%7C638435244149713687%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=tlDF6g80fFHJ1E9x%2BGgP0Nns5tf7laBPPcBgMOUf0C0%3D&reserved=0).   The reason is to improve the accuracy and validity of orders for new numbers and ports as explained below:

* The VAT ID/CIF is included in the CVP generated by Colt for an end-customer and is highly confidential.  The CVP was introduced by the PT Regulator, Anacom, to give greater security to end-customers.  End-customers must include their CVP in a future port order to prove their request is genuine.
* As requested by the ES Regulator, CNMC, the VAT ID/CIF/NIF must be uploaded into the emergency database in Spain and be an exact match to the registered end-customer name.

In Numbers on Demand portal you will see the extra validation step on the CIF/NIF/VAT ID in Portugal & Spain when activating a number, porting-in a number and updating an end-customer address, including bulk orders. In both Portugal and Spain if your end-customer has only recently registered for VAT and their details are not yet in VIES, then you can enter their VAT ID by selecting “NIF//CIF/VAT ID not registered” and your order will proceed as normal.

* New REST API will be available for VAT validation based on VIES API (check-vat-number) and make available to the customer.
* NIF/VAT is mandatory parameter for PT.
* NIF/CIF/VAT and customer name is mandatory parameter for ES.

Please click [*here*](https://344164.fs1.hubspotusercontent-na1.net/hubfs/344164/Number%20Hosting%20May%202024%20Release/commonServices_v1.0.0_12March2024.yaml) for the OAS Specification for VAT validation APIs

* Below is the request for new REST API:

VAT\_VALID\_REQ

{

“countryCode”:”string”, //Mandatory

“vatNumber”:”string”, // Mandatory

“customerName”:”string” //Optional, required only in case of Spain

}

Response

{

“outHeader”:{

“errormessage”:{

“errorCode: ”string”,

”errorDescription”,”string”

}

{

"countryCode": "string",

"vatNumber": "string",

"requestDate": "date time",

"valid": true,

"traderName": "Colt Technology Services",

"traderNameMatch": "VALID", //Only in case of Spain

}

* new field “companyNumberRegistered” as Optional parameter in getTransactionDetails API and GET (Rest) order API.
* Vies API will validate VAT/NIF for PT.
* Vies API will validate VAT/CIF/NIF + customer name for ES.
* new field added- “companyNumberRegistered” as an optional parameter in below APIs with accepted values as ‘Yes’ and ‘No’:
* numberActivation
* updateEndCustomerAddress
* portin

# Appendix A: XSD

Please click [link 1](https://344164.fs1.hubspotusercontent-na1.net/hubfs/344164/Number%20Hosting%20May%202024%20Release/NumberHostingServices_v3.20.xsd) and [link 2](https://344164.fs1.hubspotusercontent-na1.net/hubfs/344164/Number%20Hosting%20May%202024%20Release/nhm_cbe_v3.20.xsd) for updated XSDs

# Appendix B: API specifications

## OAS Specification for number management APIs

Please click [here](https://information.colt.net/hubfs/Number%20Hosting%20May%202024%20Release/numberManagement_v2.0.9_08Feb2024.yaml) for the OAS Specification for Number Management APIs

# Appendix C: Operator list for France

|  |  |
| --- | --- |
| Operators in France | update type |
| 8x8 UK Limited | New |
| Abaclouda | New |
| ADD-ON Consulting | No change |
| Adenis | No change |
| Adista | New |
| Afone | No change |
| AIC Telecoms (ancien. AIC Network) | No change |
| Aircall | New |
| Akinea Internet | No change |
| Alnilam | No change |
| Alpes networks | New |
| Alphalink | No change |
| Always on (ex Leonix Telecom) | No change |
| Aowoa | No change |
| Appliwave | No change |
| Auchan Telecom | No change |
| Auranext (Emod) | No change |
| AVM Informatique | No change |
| Axialys | No change |
| BBS Informatique | No change |
| Bee Technology | No change |
| BICS | No change |
| BJT Partners | No change |
| Bouygues Telecom | No change |
| Bretagne Telecom | No change |
| BT France | No change |
| Budget Telecom | No change |
| Canal+ Telecom (ex Mediaserv) | No change |
| Capacom | No change |
| Celeonet | No change |
| Celeste | No change |
| Celya | No change |
| CLOUD TELECOM | New |
| CMRP | No change |
| Codepi | No change |
| Colt | No change |
| ComMeeTT | New |
| Completel (Entreprise) | No change |
| Completel (GP) | No change |
| Completel (Opérateur) | No change |
| Coriolis (ex MYSTREAM) | No change |
| Datacom Multimédia | No change |
| Dauphin Telecom | No change |
| Diabolocom | No change |
| DIDWW Ireland Limited | New |
| Digicel | No change |
| Dimension Telecom | No change |
| DVS CONNECT | New |
| Dynamik cloud & télécom | New |
| E-NEOLAB | New |
| ENREACH | New |
| Etoile Dièse | No change |
| Even media interactive | New |
| Eway | New |
| Excentre | New |
| Fiducial Cloud (Nexto) | New |
| Fingerprint Technologies | No change |
| Five9 GmbH | New |
| FLEX NETWORK | New |
| Foliateam (ex Acropolis) | No change |
| Free | No change |
| Get & go telecom | New |
| Groupe Convergence.com | No change |
| GS Communication | No change |
| GTT COMMUNICATIONS France | New |
| Guyacom | No change |
| Hexatel | New |
| Hub Telecom - Hub One | No change |
| Ibrowse | New |
| Idelio | New |
| Idline | No change |
| Idom Technologies | No change |
| Infinivox | New |
| Infoline | No change |
| Integraphone | No change |
| Iovox | No change |
| IP Directions | No change |
| Ipefix | No change |
| IPXTEL | No change |
| Izarlink | New |
| Jaguar Network | No change |
| KAV EL INTERNATIONAL | New |
| KERTEL (ex Intercall) | No change |
| Keyyo | No change |
| K-net | No change |
| Koesio Networks | No change |
| Komeo | New |
| LaSoTel | No change |
| Legos | No change |
| Linksip | No change |
| Linkt | No change |
| Loopup Spain | New |
| Magic Fil | No change |
| Manifone | No change |
| MASERGY COMMUNICATIONS UK Limited | New |
| MCT | New |
| Media Technologies | No change |
| Microsoft Ireland operations limited | New |
| Mobile | No change |
| Muona | No change |
| Mybestpro | New |
| NEOCOM | No change |
| Neotel | No change |
| Net OI | No change |
| Netalis | No change |
| Netcom Group | No change |
| Netiwan | No change |
| Nettel | New |
| Netwo | New |
| Networth Telecom | No change |
| Newtech | No change |
| Nexto - Fiducial Cloud | No change |
| Nfon France | New |
| Nom | No change |
| Nordnet | No change |
| Novelcom | No change |
| NTT France | New |
| Nuwave Communications Limited | New |
| NXO France | No change |
| Occicom | No change |
| Odigo (ex Prosodie) | New |
| OECOM | No change |
| Onoff telecom | New |
| OpenIP | No change |
| OPS Telecom | New |
| Orange | No change |
| Orne THD | New |
| Other | No change |
| Outremer Telecom | No change |
| OVH | No change |
| Oxilog | No change |
| Parabole Reunion | No change |
| Paritel Opérateur | No change |
| Peoplefone SAS | New |
| Phibee Telecom (ex Chmurtz) | No change |
| Plug and tel | New |
| Prosoluce | New |
| PS Mobile Access (ex Digital Global Pass) | New |
| Remmedia | New |
| Réseau concept | New |
| Ringcentral France | New |
| SCT Telecom | New |
| SDCI | New |
| Serinya | New |
| Sewan | New |
| SFR | New |
| SFR Fibre SAS (ex Numericable) | No change |
| Solutions Informatiques Services | New |
| Spacinov | New |
| SRR | New |
| Stephie Telecom | New |
| SYNELYANS | New |
| TATA COMMUNICATIONS France | New |
| TCLR (ex Callr) | No change |
| Tel On | No change |
| Tel@ndcloud | No change |
| Telecom Object | No change |
| Telecom Studio (ex Tech'care) | New |
| Telerys | No change |
| Telnyx Ireland limited | No change |
| Tel-One | New |
| Telvox global B.V. | No change |
| Trinaps | No change |
| Twilio Ireland Limited | No change |
| TY-line | New |
| Ubicentrex | No change |
| Unyc (ex Serveurcom) | New |
| VA Solutions | No change |
| Verizon France | No change |
| Vitis | No change |
| VOIP Telecom (ex Senso Telecom) | New |
| Voxbone | No change |
| VOXNODE | New |
| W3tel | No change |
| Waycom | No change |
| Wildix EE OU | New |
| Wordline | New |
| Yooth IT | No change |
| Zeop | No change |

# Appendix D: Operator list for Switzerland

|  |
| --- |
| Operator List - NumberRangeOwner |
| 4z.com Sàrl - 98118 |
| 4z.com Sàrl - 98131 |
| 4z.com Sàrl - 98056 |
| Backbone Solutions AG - 98053 |
| Bechtle Schweiz AG - 98116 |
| BeeOne Communications SA - 98077 |
| Blue Call AG - 98135 |
| Box Internet Services Sàrl - 98110 |
| BSE Software GmbH - 98052 |
| BT Switzerland Ltd - 98051 |
| CKW Fiber Services AG - 98122 |
| Colt Technology Services AG - 98073 |
| Colt Technology Services AG - 98030 |
| Dialoga Servicios Interactivos, S.A. - 98101 |
| Exion Networks SA - 98015 |
| Freefon AG - 98119 |
| Genossenschaft GGA Maur - 98082 |
| GIB-Solutions AG - 98044 |
| GIB-Solutions AG - 98061 |
| Global Premium Telecom B.V. - 98042 |
| Globastar AG - 98064 |
| Goldenphone GmbH - 98038 |
| Helbling Networks GmbH - 98132 |
| ImproWare AG - 98055 |
| Internet Group AG - 98127 |
| Iway AG - 98125 |
| Komodos SA - 98059 |
| Lightup Network Solutions - 98146 |
| MaTelSo GmbH - 98144 |
| MLS Communication Sàrl - 98104 |
| mobile4business AG - 98113 |
| NetherTek Schweiz GmbH - 98134 |
| Netplus.ch SA - 98103 |
| Netplus.ch SA - 98058 |
| Nexphone AG - 98019 |
| Nexphone AG - 98067 |
| Orange business Switzerland - 98034 |
| OVH SAS - 98079 |
| Peoplefone AG - 98022 |
| Primacall AG - 98120 |
| Quickline AG - 98078 |
| Quickline AG - 98074 |
| Salt Mobile SA - 98085 |
| Salt Mobile SA - 98105 |
| Seabix AG - 98124 |
| senseLAN GmbH - 98062 |
| Smartphone S.A. - 98025 |
| Solaris Systems B.V. - 98049 |
| Suissephone Communications GmbH - 98106 |
| Sunrise GmbH - 98014 |
| Sunrise GmbH - 98048 |
| Sunrise GmbH business - 98031 |
| Sunrise GmbH voice - 98045 |
| Swisscom \_Schweiz\_ AG - Fixnet - 98010 |
| SwissLink Carrier AG - 98140 |
| Swissnet Telecommunication AG - 98108 |
| System-Clinch Internet Services GmbH - 98012 |
| Technische Betriebe Wil - 98109 |
| Telco Pack Sàrl - 98111 |
| Telconet - 98086 |
| Telecom Liechtenstein AG - 98068 |
| Telecom26 AG - 98133 |
| Ticinocom SA - 98050 |
| TISMI B.V. - 98088 |
| Verizon Switzerland AG - 98011 |
| VTX Services S.A. - 98039 |
| VTX Services SA - 98075 |
| Winet Voicetec Solutions AG - 98107 |
| wwcom AG - 98121 |