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| Colt Number Hosting  22nd July 2023 Release Notes |

# Introduction

This document describes the Colt Number Hosting 22nd July 2023 release.

The release will focus on:

* Improved regulatory compliance for Emergency database and directory service update in France
* Number on Demand & API improvements

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

Our test period was completed during May, and we would like to thank you for your participation.

# Document change control

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| --- | --- |
| **Version** | **Change description** |
| V1 | 17th June 2023 Release note |
| V2 | Updated:   1. Customer UAT dates shifted by a week 2. Appendix A updated with new XSDs 3. Appendix C updated with FR allowed operator list |
| V3 | Updated:   1. Updated scope of France changes wrt Directory services 2. Added Appendix E for allowed ‘streetType’ values in France |
| V4 | Updated:   1. Updated FR field table to add ‘companyRegistrationNumber’ field in the table. 2. Updated Appendix E for allowed ‘streetType’ values in France |
| V5 | Updated:   1. Updated FR table to update ‘streetType’ validation in the table in section **Address Management & Directory Service Update in France** |
| V6 | Updated:   1. Change of date for the release, changed from the 17th June 2023 to 22nd July 2023 |

# Address Management & Directory Service Update in France

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

* Fields which are newly added are marked as ‘**New**’ in the table below.
* 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.
* For Port-In order, the allowed current operator list will be updated closer to release date in ***Appendix C: Allowed operator values in France.***

If any other value is provided (which is not present in this list), the Port-In request will fail with business failure.

* FR special character restrictions – semicolon (;) is not allowed in any of the fields

Other special character details are described in ***Appendix D: Allowed special characters in France***

* Standalone Directory Service API (updateDirectoryServices)will be decommissioned with this release
* Final address verification and validation will continue to be performed with Informatica Address Doctor v4.
* Directory services details are no longer required to be captured in France. Orange who support multiple operators in France with Directory Services have withdrawn their service from the market as demand for the service has decreased significantly. End-customers can raise their requests for Directory Services entries directly e.g. to the biggest DS provider “Pages Jaunes” via the Pages Jaunes website. The Directory Services node does not need to be passed by customers. An error will be thrown upfront if the customer passes any details in this node.
* Following the removal of support for Directory services, there is a change in the status of the ‘streetType’ field of the end-customer address. ‘streetType’ will no longer be a mandatory field, it will now be optional. Customers can either:
  + Continue to submit the full street name of the end-customer address in the ‘streetName’ field, or
  + Split the street name into the ‘streetType’ & ‘streetName’ fields.
  + When the full street name is provided with no entry in the street type, then we will continue to split the street name into street type & street name for address validation and for entry into the database referenced by the PSAPs for emergency call handling.
  + By using the ‘streetType’ field and the allowed values given in ***Appendix E: Allowed streetType values in France***, there will be greater accuracy in the address validation and both fields will be populated in the database referenced by the PSAPs for emergency call handling.

All changes are applicable in France 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 Details** | | | | | | | |
| **customerReference** | Existing field | No change | O | L ≤ 50 | - | - |  |
| **endCustomerName** | Existing field | **Update** | M | L ≤ 80 | CM | - | *Field is now Conditional Mandatory with First Name & Last Name* |
| **firstName** | Either ‘endCustomerName’ or ‘lastName’ & firstName" is required. | **New** | - | - | CM | L ≤ 30 | *New field added* |
| **lastName** | Either ‘endCustomerName’ or ‘lastName’ & firstName" is required. | **New** | - | - | CM | L ≤ 100 | *New field added* |
| **End Customer Address** | | | | | | | |
| **premisesNumber/buildingNumber** | Existing field | **Update** | CM | L ≤ 20 | O | L ≤ 7 | *decrease the length from 20 to 7*  *Changed from Conditional Mandatory to Optional*  *E.g.- 23, 50 A, 50A,9-17,26B-30B,26A-30B* |
| **buildingName** | Existing field | **Remove** | CM | L ≤ 50 | - | - | *Field not required anymore* |
| **streetName** | Existing field | **Update** | M | L ≤ 50 | M | L ≤ 40 | *decrease the length from 50 to 40* |
| **cityTown/ city** | Existing field | **Update** | M | L ≤ 50 | M | L ≤ 60 | *Increase the length from 50 to 60* |
| **postalZipCode/ postalCode** | Existing field | No change | M | L=5 | - | - |  |
| **poBoxNumber** | This field can be used to provide a precise indication of the address (e.g. Angolo Via Roma). | **New** | - | - | O | L ≤ 5 | *New field* |
| **streetType** | It completes the description of the place and can identify the type of street (e.g. Street, Square, Avenue, etc.).(e.g. Via, Piazza, Viale.) | **New** | - | - | O | L ≤ 40 | *New field- optional*  Values can be selected from allowed street type list present in ***Appendix E: Allowed streetType values in France*** |
| **currentOperator** | Existing field  Applicable for Port-In only | **Update** | M | L ≤ 20 | M | LOV with length of < 60 | Values can be selected from allowed operator list present in ***Appendix C: Allowed operator values in France*** |
| **companyRegistrationNumber (SIRET)** | Existing field  Applicable for Port-In only | **No change** | M | L ≤ 17 | - | - |  |
| **mainBillingNumber** | Existing field  Applicable for port-in only | **No Change** | M | 6≤ L ≤20 | - | - |  |
| **singleLine** | Existing field  Applicable for port-in only  Allowed value=  ‘S’ | **No Change** | O | L = 1 | - | - |  |
| **multiLine** | Existing field  Applicable for port-in only  Allowed value=  ‘M’ | **No Change** | O | L =1 | - | - |  |
| **portInDate** | Existing field  Applicable for port-in only | **No Change** | M | L ≤ 10 | - | - |  |
| **portInWindow** | Existing field  Applicable for port-in only | **No Change** | M | L ≤ 9 | - | - | LOV defined for FR  0900-1200  1400-1700 |
| **Directory Service Update Details (Optional)** | | | | | | | |
| **Node not required as the part of number Activation, Port-In and Address Update orders.**  **If customer passes this node, error will be thrown from Colt’s end.** | | | | | | | |

# Numbers on Demand (NOD) and B2B API improvements

Below are 6 improvements targeted for release on 22nd July 2023. 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 |
| --- | --- | --- | --- | --- |
| 1 | **Port-In** | All | Today when a port is delayed and transaction is in ‘Firm order commitment’ or ‘Porting initiated’, then the transaction is marked by Colt porting desk as ‘Delayed’ leading to confusion regarding the actual porting status.  In this release we are introducing a new Port-In status – ‘**Porting Completion Delayed**’.  When an order is in Porting initiated status and there’s a delay from the losing operator/Colt, Colt Porting Desk will update the order as ‘**Porting Completion Delayed**’.  This status means that the provisioning is completed from Colt but due to delays at the losing operator’s end/technical challenges at Colt’s end, the porting transaction is yet to be completed.  Customer can send ‘QuickNote’ to Colt Porting Desk when order is in Porting Completion Delayed status. | All countries except NL |
| 2 | **Number Enquiry** | B2B APIs (SOPA/HTTPs/REST) | **Current behavior:**  NL free nomadic number (085) numbers can be searched for using B2B APIs by passing  numberType: Non Geo  numberCategory: VOIP  **Change:**  085 numbers are treated as Geo Nomadic Numbers and need to be in the right category. Based on this, the number type and number category details below need to be sent in the request:  numberType: Geo  numberCategory: Nomadic  ***Please note:*** *this is a code breaking change and you’re expected to make the changes at your end to avoid any validation failure post July release go-live* | Netherlands |
| 3 | **Migration** | All | Today the migration of numbers to Number Hosting and from one Number Hosting customer to another Number Hosting customer is complex.  In this release we’re reducing the complexity by introducing a semi- automated solution. There’s no change to the porting milestones and status updates which are described in the existing NH user guides ([www.colt.net/cocom](http://www.colt.net/cocom)).  The change is that the customer will receive notifications (email and callBack) for all order status updates post this release. | All 13 Colt countries except Zone B countries |
| 3 | **Number Activation, New Port In and Address Update** | NOD, B2B APIs (SOAP/HTTPS/REST) | In Ireland, under directory services node, today we capture ‘directoryPublishSection’. This field is no longer required to be passed.   * **Current behaviour**: “directoryPublishSection” field is a mandatory filed with List of Values as:   + Dublin Government Section   + Provincial Government Section * **Change**: “directoryPublishSection” - this field is removed as part of this release.   This will be handled as per below logic at our end .   1. If DirectoryListingOptions field value is “Listed” and  * If LAC is 01   + then "DublinGovernmentSection" will be considered * if LAC is {02,04,05,06,07,09}   + then "ProvincialGovernmentSection" will be considered.  1. If DirectoryListingOptions field value is “Unlisted” or “Ex-Directory”,  * then   Directory Publish Section field  will be empty. | Ireland |
| 4 | **New Port In and order details** | NOD, B2B APIs (SOAP/HTTPS/REST) | Introduction of a new optional field ‘autoPortIn’ in the Port-In request.   * If ‘Yes’ is passed in the request, then on the day of the port the request will be automatically picked up by our system for provisioning. * If ‘No’ or it’s blank, then on the day of the port, the Colt porting desk will manually proceed to process the Port-In request.   This value will be displayed in getTransactionDetails SOAP API and GET/order{orderID} REST API response  My Order page on NOD, will display this information in the grid which can be downloaded into MS Excel. | Belgium |
| 5 | **Order Details** | NOD, B2B APIs (SOAP/HTTPS/REST) | ‘Action’ field will be returned for Port-In transactions (Port Update) against the child transaction in getTransactionDetails and GET Order/[OrderId] APIs  This new field will reflect the action performed by the Colt Porting Desk against the port transaction update order (at child order ID level)  ***Please note:*** *if you want to receive this field then you’re expected to make the changes at your end to see this field in response of order details APIs* | All |
| 6 | **Partial- address update, port-out and deactivation** | NOD, B2B APIs (SOAP/HTTPS/REST) | Partial address update, partial port out and partial de-activation of pre-activated and activated ranges is not allowed for Finland.  Applicable for both Colt and ported-in numbers. | Finland |

# Appendix A: XSD

The structure is updated in the XSD in these links: [link 1](https://344164.fs1.hubspotusercontent-na1.net/hubfs/344164/NH%20June%2023%20release%20v2/nhm_cbe_v3.17.xsd) and [link 2](https://344164.fs1.hubspotusercontent-na1.net/hubfs/344164/NH%20June%2023%20release%20v2/NumberHostingServices_v3.17.xsd)

# Appendix B: API specifications

## OAS Specification for NH APIs

Please click [here](https://344164.fs1.hubspotusercontent-na1.net/hubfs/344164/NH%20June%202023%20Release/numberManagement_v2.0.5_15Mar2023.yaml) for the OAS Specification for Functional APIs

## OAS Specification for Address Management

Please click [here](https://344164.fs1.hubspotusercontent-na1.net/hubfs/344164/NH%20June%202023%20Release/addressManagement_v1.0.1_10Feb2023.yaml) for the OAS Specification for Address Management APIs

# Appendix C: Allowed operator values in France

Colt have porting agreements with numerous operators in France. Customers need to pass the ‘currentOperator’ value based on the defined list.

Please click [*here*](https://344164.fs1.hubspotusercontent-na1.net/hubfs/344164/NH%20June%2023%20release%20v2/Allowed%20Operator%20List_France.xlsx) to find the list of allowed operator values.

Please note: Due to the fact that lots of operators are registering with ARCEP and APNF at present, the final list will be updated closer to the release date and published here.

# Appendix D: Allowed special characters in France

|  |  |
| --- | --- |
| Fields | Characters allowed/restricted |
| All fields | The fields must not contain semicolon character (“;”). |
| Business Description(DSU) | This field may contain, at the request of the user and under his responsibility, the indication of a profession. Operators may, if they wish, impose a nomenclature for this field.   Only the special character hyphen(-) is allowed in this field. |
| Business/End Customer Name | Each word of the name begins with a number or one capital letter, the other characters can be:-   * a capital letter * a lowercase letter with e.g. an accent e.g. é ç * an apostrophe * a dash or a space * a number * quotation marks * a full stop * a comma |
| LastName and FirstName | Publication rules : characters \_ authorized in the additional designation are : -   * one capital letter * a lowercase letter with e.g. an accent e.g. é ç * an apostrophe * a dash or a space * a number * quotation marks * a full stop * a comma |
| Email Address(DSU) | Must contain the character “@” in the body of the text. |

# Appendix E: Allowed streetType values in France

Allowed streetType values in France is present in below table for reference

|  |  |
| --- | --- |
| street type  (to be passed by customer) | |
| ANCIEN CHEMIN | JARDIN |
| ALLEE | JETEE |
| ALLEE BASSE | LIEU DIT |
| ALLEE CAVALIERE | LES HAUTS |
| ALLEE HAUTE | LOTISSEMENT |
| ALLEE LATERALE | MAIL |
| ALLEE PRINCIPALE | MAS |
| ALLEES | MOULIN |
| ANCIENNE MONTEE | MONTEE |
| ANCIENNE ROUTE | NATIONALE |
| AVENUE | PARC D ACTIVITES |
| BARRIERES | PARC |
| BOULEVARD | PASSAGE |
| BERGE | PLATEAU |
| BOURG | PLACE |
| CANAL | PORT |
| CAPITAINERIE | PROMENADE |
| CARREFOUR | PORTES |
| CENTRE COMMERCIAL | PARVIS |
| CHEMIN COMMUNAL | PETITE RUE |
| CHEMIN DEPARTEMENTAL | PATIO |
| CHEMIN | QUARTIER |
| CHEMINEMENT | QUAI |
| CHAUSSEE | ROCADE |
| CITE | REMPART |
| CLOS | RESIDENCE |
| COLLINE | RAMBLA |
| CORNICHE | RAMPE |
| COTE | ROND POINT |
| COUR | RUE |
| COURS | ROUTE DEPARTEMENTALE |
| CENTRE | ROUTE NATIONALE |
| DEPARTEMENTALE | ROUTE |
| DESCENTE | RUELLE |
| DOMAINE | SENTIER |
| ECLUSE | SENTE |
| ENCLOS | SQUARE |
| ESPACE | TERRASSE |
| ESPLANADE | TRAVERSE |
| FAUBOURG | TRAVERSE PROLONGEE |
| FORT | VOIE COMMUNALE |
| GALERIE | VILLAGE |
| GARE | VIADUC |
| GRANDE RUE | VILLA |
| GRANDE SENTE | VOIE |
| GRANDE VOIE | ZONE D AMENAGEMENT CONCERTE |
| GRAND RUE | ZONE D AMENAGEMENT DIFFERE |
| GUE | ZONE D ACTIVITE ECONOMIQUE |
| HAMEAU | ZONE ARTISANALE |
| IMMEUBLE | ZONE D ACTIVITE |
| IMPASSE | ZONE INDUSTRIELLE |