|  |
| --- |
| Colt Number Hosting  31st July 2021 Release Notes |

# Introduction

This document describes the Colt Number Hosting 31st July 2021 release.

The release will focus on:

* Improved regulatory compliance for Emergency database in the **Netherlands**
* Introduction of Directory Services entries in the **Netherlands**
* Updated REGEX pattern shared in the May release to allow for Latin and other special characters is being applied to more fields
* **Spain** Regulatory Number Management
* Decommissioning of 2 APIs (ValidateGeoNumber & ValidateGeoNumberv2)
* Number on Demand portal improvements
* Please migrate to TLSv1.2 protocol. TLSv1.2 is the latest SSL protocol version supported by OpenSSH on z/VSE. This will strengthen the data integrity. We will remove / block support of lower TLS versions post 31st July 2021.

**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 5th July 2021 to 16th July 2021. 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 | 31st July 2021 Release notes |
| V2 | Updated : UAT dates, Netherlands field level details, Pre-activation rule for Premium/Standard customer in Spain and added New XSDs |
| V3 | Updated : NOD porting improvements |
| V4 | Updated: Process clarifications added for Spain |

# Address Management & Validation in the Netherlands

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

* 1 new field introduced in the Netherlands specifically for Porting scenarios (KeepCurrentSetting)
  + Mandatory for Port-in scenarios
* 3 new conditionally mandatory fields introduced in Netherlands for Directory Services settings. (Electronic Directory, SubscriberInformationServices, NumberMasking).
  + Mandatory for non-porting scenarios and if a port-in order has keepCurrentSettings = No
* Some validation of existing fields will be updated. Fields which are changing are marked ‘Update’ in the table below. Other fields are marked as ‘New’ or ‘Remove’ - see table below.
* New ‘emergencyAddress’ node/fields in updateEndCustomerAddress introduced in XSD.
* Ability to change an emergency address at an individual CLI level
* Support special characters as defined for the Netherlands
* Update EDB address and Directory Service Update are now clubbed together in an End-customer Address Update
* Final address verification and validation will be performed with Informatica Address Doctor v4
* Functionalities for the Netherlands - Activation, Address Update, and Port-in will be removed from Cocom Web Manager. Customers are advised to use Number on Demand Portal.

All changes are applicable in the Netherlands 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 | | | | | | | |
| cusomerType | Existing field | - | M | Fixed value | - | - | Accepted Values:  Business  Residential |
| endCustomerName | Existing field Mandatory when customerType = Business | **Update** | M | L ≤ 80 | - | - | New REGEX pattern introduced  Covered in next section |
| firstName | Existing field Mandatory when customerType= Residential | **Update** | M | L ≤ 50 | - | - | New REGEX pattern introduced  Covered in next section |
| lastName | Existing field Mandatory when customerType= Residential | **Update** | M | L ≤ 80 | - | - | New REGEX pattern introduced  Covered in next section |
| Installation Address | | | | | | | |
| buildingName | Existing field | **Update** | O | L ≤ 50 | - | - | New REGEX pattern introduced  Covered in next section |
| premisesNumber | Existing field used to store House Number | **Update** | M | L ≤ 20 | - | - | New REGEX pattern introduced  Covered in next section |
| addressExtension |  | **New** | - |  | O | L ≤ 06 | This field can be used to provide a precise indication of the address by providing a building number extension |
| streetName | Existing field | **Update** | M | L ≤ 50 | - | - | New REGEX pattern introduced  Covered in next section |
| cityTown | Existing field | **Update** | M | L ≤ 50 | - | - | New REGEX pattern introduced  Covered in next section |
| postalZipCode | Existing field | - | M | L = 7 | - | - | 4 characters followed by space and 2 characters  Eg: 1010 BT |
| premisesNumberLetter |  | **Remove** | O | L ≤ 20 | **Field not required anymore** | | |
| Directory Service Update Details (Optional) | | | | | | | |
| keepCurrentSettings | Used in port-in order to specify that the customer wishes to retain the existing DS entry as provided to the Regulator by the current Operator | **New** | NA | NA | CM | LOV - Yes/No | keepCurrentSettings field is only applicable in PortIn orders and not be visible in non-portin order. If the value of keepCurrentSettings is “**Yes**” in a Port-in order, then ignore sending the values of informationServices, numberMasking, electronicDirectory to Colt. If the value of keepCurrentSettings is “**No**” in a Port-in order, then mandatorily send the values of informationServices, numberMasking, and electronicDirectory to Colt. |
| electronicDirectory | used to specify Customers agreement to be listed in the Electronic Directory Services | **New** | NA | NA | CM | L ≤ 3 | Mandatory for the non Portin orders and if a port-in order has keepCurrentSettings = No Values are: • **Yes** = visible in Electronic Directories listing • **No** = not visible in Electronic Directories listing |
| Subscriber Information Services | used to specify Customers agreement to be listed in the Directory Enquiry Services | **New** | NA | NA | CM | L ≤ 3 | Mandatory for the non Portin orders and if a port-in order has keepCurrentSettings = No Values are: • **Yes** = visible in information services listing • **No** = not visible in information services listing |
| numberMasking | used to specify Customer's request to mask their number in the invoices | **New** | NA | NA | CM | L ≤ 3 | Mandatory for the non Portin orders and if a port-in order has keepCurrentSettings = No Values are: • **Yes** = CLI is to be masked in the invoices • **No** = CLI can be visible in the invoices |
| Emergency Address (New) for address Update Only | | | | | | | |
| buildingName | Existing field | **New** | - | - | O | L ≤ 50 | Any change in Emergency Address needs to be specified in the “EmergencyDetails” of updataEndCustomerAddress API. |
| premisesNumber | Existing field used to store House Number | **New** | - | - | M | L ≤ 20 |
| addressExtension |  | **New** | - | - | O | L ≤ 06 |
| streetName | Existing field | **New** | - | - | M | L ≤ 50 |
| cityTown | Existing field | **New** | - | - | M | L ≤ 50 |
| postalZipCode | Existing field | **New** | - | - | M | L = 7 |

# Use of the REGEX pattern

The REGEX used in the XSD is being applied to the below fields to allow for special and other Latin characters in all countries.

* firstName
* lastName
* endCustomerName
* registeredName
* switchMaintainerFirstName
* switchMaintainerLastName
* gainingOperator
* originalRangeHolder
* currentOperator

The change is shown below:

**Current** - [A-Za-z0-9\_\w]+[A-Za-z0-9:\_,!`'\(\)/\-\+\.'&amp;&quot;&lt;&gt; \w]\*

**Update**- ([^×Þ÷þ])[A-Za-z0-9À-ÖØ-öø-ÿ:,!`'/\-\.\(\)'@=~+&amp;&quot;&lt;&gt; \w]\*

# Spain Regulatory Number Management

In Spain the regulation position is as follows:

*Article 49 of Royal Decree 2296/2004 approving the Regulation on electronic communications markets, network access and numbering requires operators such as Colt, to whom numbering has been assigned by the Comisión Nacional de los Mercados y la Competencia (CNMC), to inform this regulatory body of numbering sub assignments made to reseller operators, who must be authorised by the CNMC.*

*In order for the aforementioned sub assignments to be authorized, the CNMC has established as mandatory that sub assignments made to reseller operators must be of a minimum of 100 consecutive numbers, with no lesser number being possible. Reseller operators may use the sub-assigned numbers for the provision of services to their customers. This rule does not affect portability from other operators.*

To comply with the Spanish numbering plan & **sub-assignment rules**, Colt will introduce a new ‘usage type’ flag & update its processes for new Colt number acquisition in Spain.

The main changes can be summarized:

* Spanish Regulator approval for sub-assignment will be required before using the number if ‘usage type’ = ‘Assign to 3rd party’.
* Only range of 100 will be available if ‘usage type’ = ‘Assign to 3rd party’.
* Partial range update will be allowed to add more than one end-customer into a range.
* ‘usage type’ cannot be changed for ‘active number’ (\*)

**This Usage Type field will be introduced as a new field**

**Cocom Web Manager:**

Functionalities for Spain- Activation, Number Reservation, Address Update, Port-in and Bulk Activation/ Port-In will be removed from Cocom. Customers are advised to use Numbers on Demand Portal where these changes will apply.

When you reserve a range of 100 numbers with the usage type “assigned to a third party”, please fill in the details in the [sub-assignment agreement](http://ww2.colt.net/CCP/ES_sub_assignment/index.htm), sign & date it and submit it with your reservation request.

Your request will be sent by our Regulatory team in Spain to CNMC and you can expect a response back (confirmation or rejection of your request), notified to you via email and visible in the Numbers on Demand portal within 15 days.

**B2B API:**

**Number Enquiry**

* Number category is changing for Spain

|  |  |
| --- | --- |
| Number Type | Number Category |
| Geo Numbers | Normal |
| Geo Nomadic Numbers | IPGEO |
| Nomadic/Location Independent Numbers | VOIP |

**Reservation**

* New sub assignment workflow during reservation of numbers
* Sub assignment agreement document to be sent in the request - Mandatory when usageType is ‘Assign to 3rd party’
* Mandatory Usage Type field with these options:

|  |  |
| --- | --- |
| Usage Type | Allowed Values |
| usageType | Own use |
| Assign to 3rd party |
| Shared resources |

* Block size of 100 only is applicable to Usage Type ‘Assign to 3rd party’
* Temporary Number Status ‘Reservation Pending’ will apply until the sub assignment request is approved or rejected by the Spanish regulator which can take around 15 working days

**Activation after Reservation**

* LAC validation is applicable for Geo and Geo Nomadic Numbers Only.

**Direct Activation**

* usageType is mandatory
* Direct Activation is not supported if usageType is “Assign to 3rd party”.
* LAC validation is applicable for Geo and Geo Nomadic Numbers Only.

**Pre Activation**

* usageType is mandatory.
* Pre-Activation isn’t supported if usageType is “Assign to 3rd party” and Number Status is Free
* Pre-Activation is supported if usageType is “Assign to 3rd party” and Number Status is Reserved. Allowed for both Standard and Premium customers.
* Pre-Activation is supported if usageType is “Own use” or “Shared resources”. Allowed for Premium customers only.

**UpdateAddress (Add/Modify/Remove)**

* Partial address update is allowed for Standard and Premium customers
* If the Action is modify, end customer details (cif/NIF/VAT) cannot be modified- applicable for only Ported-In numbers.
* LAC validation is applicable for all Usage and Number types for Action Add/Modify
* Add is only applicable for Premium customers.

***Please note:*** Sub assignment agreement document can be found [here](http://www.colt.net/ccp/ES_sub_assignment).

**Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| usageType | ‘Own use’ | ‘Shared resources’ | ‘Assign to 3rd party’ |
| Description | for your own use (e.g. by your own staff) | not directly assigned to a 3rd party / end-customer e.g. conferencing | directly assigned to a 3rd party / end-customer |
| Range Size | 1, 10, 100 | 1, 10, 100 | 100 |
| Quantity | 1,…, 9 | 1,…, 9 | 1,…, 9 |
| Reservation | Yes | Yes | Yes |
| Reservation Approval (sub Assignment) | No | No | Yes |
| Direct Activation (on Free Number) | Yes | Yes | No |
| Pre-Activation (on Free Number) | Yes | Yes | No |
| Pre-Activation (on Reserved Number) | Yes | Yes | Yes |
| LAC Validation | Yes | Yes | Yes |
| Local Presence | Yes | Yes | Yes |
| Partial Address Update of Colt Numbers (Add, Modify, Remove) | Yes | Yes | Yes |
| Partial Update of Ported Numbers (Update Address but not end customer) | Yes | Yes | Yes |
| Partial Deactivation of Colt Numbers | No | No | No |
| Partial Deactivation of Ported-In Numbers | Yes | Yes | Yes |
| Partial Port-Out | Yes | Yes | Yes |

**Number Type offerings**

|  |  |  |  |
| --- | --- | --- | --- |
| Number Type offerings | ‘Geo’ | ‘Geo-nomadic’ | ‘Nomadic’ |
| Description | LAC can be used only for the applicable city / town | LAC can be used within the province for any city / town | LAC can be used across entire country of Spain |
| Local Area Codes (LACs) | LACs starting with 8- Please refer to *Appendix C(a): Numbering Plan for LAC starting with* ‘8’  Numbers highlighted in **Amber** are Geo LACs | LACs starting with 8- Please refer to *Appendix C(a): Numbering Plan for LAC starting with* ‘8’  Numbers highlighted in **Green** are Geo-Nomadic LACs | 512/516 |
| Free Number Search | Yes | Yes | Yes |
| LAC Validation | Yes | Yes | No |
| Port-in/ Port-Out | Yes | No | No |
| Quarantine Period | 30 calender days | 30 calender days | 30 calender days |
| numberCategory (used for ‘Free’ number search) | Normal | IPGEO | VOIP |
| numberType (used for ‘Free’ number search | Geo | Geo | Non Geo |

Please refer to the complete list of Provinces with LAC (starting with ‘8’ and ‘9’)- *Appendix C(b): Spain Complete Provinces list*

Below fields will be added to the **Callback API JSON** for all the applicable transaction types.

* Reservation Rejection Reason
* usageType

# Decommissioning of validateGeo APIs

**validateGeoNumber** and **validateGeoNumberv2** APIs will be decommissioned on 31st July 2021. Customers are advised to use **validGeographicAddress** API for address validation and to receive valid Local Area Code(LAC) and area name in response. For Netherlands, this API will only return LAC in response.

# Number on Demand portal improvements

Below are some improvements targeted for 31st July 2021:

|  |  |  |
| --- | --- | --- |
| Functionality | Improvement Description | Country Scope |
| Port-In | Allow for second address (new address) entry in NOD for all countries | All Countries (Except Netherlands- it is present already) |
| Telephone Number History | This feature will be available in Quick Links along with existing availability in Order Details Page | All countries |

# Appendix A: XSD

The structure is updated in the XSD in these links: [link 1](https://f.hubspotusercontent10.net/hubfs/344164/July%20Release%20Notes/nhm_cbe_v3.09%5B1%5D.xsd) and [link 2](https://f.hubspotusercontent10.net/hubfs/344164/July%20Release%20Notes/NumberHostingServices_v3.09%5B1%5D.xsd)

# Appendix B(i): Spanish Numbering Plan for LACs starting with ‘8’

|  |  |
| --- | --- |
|  | Geo Nomadic Numbers |
|  | Geo Numbers |
|  | NA |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Spain Numbering plan with LAC starting with '8'** | | | | | | | | | | | |
| **Zona Provincial** | **Indicativos/ Local Area Code (1st 3 digits of number)** | **4th digit of number** | | | | | | | | | |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 01 - Araba/Álava | 845 |  |  |  |  |  |  |  |  |  |  |
| 02 - Albacete | 867 |  |  |  |  |  |  |  |  |  |  |
| 03 - Alicante/Alacant | 865 |  |  |  |  |  |  |  |  |  |  |
| 04 - Almería | 850 |  |  |  |  |  |  |  |  |  |  |
| 05 - Ávila | 820 |  |  |  |  |  |  |  |  |  |  |
| 06 - Badajoz | 824 |  |  |  |  |  |  |  |  |  |  |
| 07 - Balears, Illes | 871 |  |  |  |  |  |  |  |  |  |  |
| 08 - Barcelona | 830 |  |  |  |  |  |  |  |  |  |  |
| 09 - Burgos | 847 |  |  |  |  |  |  |  |  |  |  |
| 10 - Cáceres | 827 |  |  |  |  |  |  |  |  |  |  |
| 11 - Cádiz & 51-Ceuta | 856 |  |  |  |  |  |  |  |  |  |  |
| 12 - Castellón/Castelló | 864 |  |  |  |  |  |  |  |  |  |  |
| 13 - Ciudad Real | 826 |  |  |  |  |  |  |  |  |  |  |
| 14 - Córdoba | 857 |  |  |  |  |  |  |  |  |  |  |
| 15 - Coruña, A | 881 |  |  |  |  |  |  |  |  |  |  |
| 16 - Cuenca | 869 |  |  |  |  |  |  |  |  |  |  |
| 17 - Girona | 872 |  |  |  |  |  |  |  |  |  |  |
| 18 - Granada | 858 |  |  |  |  |  |  |  |  |  |  |
| 19 - Guadalajara | 849 |  |  |  |  |  |  |  |  |  |  |
| 20 - Gipuzkoa | 843 |  |  |  |  |  |  |  |  |  |  |
| 21 - Huelva | 859 |  |  |  |  |  |  |  |  |  |  |
| 22 - Huesca | 874 |  |  |  |  |  |  |  |  |  |  |
| 23 - Jaén | 853 |  |  |  |  |  |  |  |  |  |  |
| 24 - León | 887 |  |  |  |  |  |  |  |  |  |  |
| 25 - Lleida | 873 |  |  |  |  |  |  |  |  |  |  |
| 26 - Rioja, La | 841 |  |  |  |  |  |  |  |  |  |  |
| 27 - Lugo | 882 |  |  |  |  |  |  |  |  |  |  |
| 28 - Madrid | 810 |  |  |  |  |  |  |  |  |  |  |
| 29 - Málaga & 52-Melilla | 851 |  |  |  |  |  |  |  |  |  |  |
| 30 - Murcia | 868 |  |  |  |  |  |  |  |  |  |  |
| 31 - Navarra | 848 |  |  |  |  |  |  |  |  |  |  |
| 32 - Ourense | 888 |  |  |  |  |  |  |  |  |  |  |
| 33 - Asturias | 884 |  |  |  |  |  |  |  |  |  |  |
| 34 - Palencia | 879 |  |  |  |  |  |  |  |  |  |  |
| 35 - Palmas, Las | 828 |  |  |  |  |  |  |  |  |  |  |
| 36 - Pontevedra | 886 |  |  |  |  |  |  |  |  |  |  |
| 37 - Salamanca | 823 |  |  |  |  |  |  |  |  |  |  |
| 38 - Santa Cruz de Tenerife | 822 |  |  |  |  |  |  |  |  |  |  |
| 39 - Cantabria | 842 |  |  |  |  |  |  |  |  |  |  |
| 40 - Segovia | 821 |  |  |  |  |  |  |  |  |  |  |
| 41 - Sevilla | 854 |  |  |  |  |  |  |  |  |  |  |
| 42 - Soria | 875 |  |  |  |  |  |  |  |  |  |  |
| 43 - Tarragona | 877 |  |  |  |  |  |  |  |  |  |  |
| 44 - Teruel | 878 |  |  |  |  |  |  |  |  |  |  |
| 45 - Toledo | 825 |  |  |  |  |  |  |  |  |  |  |
| 46 - Valencia/Valéncia | 860 |  |  |  |  |  |  |  |  |  |  |
| 47 - Valladolid | 883 |  |  |  |  |  |  |  |  |  |  |
| 48 - Bizkaia | 846 |  |  |  |  |  |  |  |  |  |  |
| 49 - Zamora | 880 |  |  |  |  |  |  |  |  |  |  |
| 50 - Zaragoza | 876 |  |  |  |  |  |  |  |  |  |  |

Here if LAC is 877 and 4th Digit is

0 then Number is considered as Geo Number.

1 then Number is considered as Geo Nomadic Number.

2 then Number is considered as Geo Number.

3 then Number is Invalid

4 then Number is considered as Geo Number.

5 then Number is Invalid

6 then Number is considered as Geo Number.

7 then Number is Invalid

8 then Number is Invalid

9 then Number is considered as Geo Number.

# Appendix B(ii): List of Spanish Provinces with LAC

|  |  |  |
| --- | --- | --- |
| List of Spanish provinces with LAC | | |
| Zona Provincial | **Indicativos/Local Area Code (1st 3 digits of number)**  a= 5,6 b= 4,5 c= 1,2 d=4,5 e= 0,1,2,3 f= 4,6  g= 0,1,2,3,4,5,6,7,8 h= 0,1,2,3,4,5,6,7,8,9 | |
| **LAC starting with 8** | **LAC starting with 9** |
| 01 - Araba/Álava | 845 | 945 |
| 02 - Albacete | 867 | 967 |
| 03 - Alicante/Alacant | 86a | 96a |
| 04 - Almería | 850 | 950 |
| 05 - Ávila | 820 | 920 |
| 06 - Badajoz | 824 | 924 |
| 07 - Balears, Illes | 871 | 971 |
| 08 - Barcelona | 830 | 93g |
| 09 - Burgos | 847 | 947 |
| 10 - Cáceres | 827 | 927 |
| 11 - Cádiz | 856 | 956 |
| 12 - Castellón/Castelló | 864 | 964 |
| 13 - Ciudad Real | 826 | 926 |
| 14 - Córdoba | 857 | 957 |
| 15 - Coruña, A | 881 | 981 |
| 16 - Cuenca | 869 | 969 |
| 17 - Girona | 872 | 972 |
| 18 - Granada | 858 | 958 |
| 19 - Guadalajara | 849 | 949 |
| 20 - Gipuzkoa | 843 | 943 |
| 21 - Huelva | 859 | 959 |
| 22 - Huesca | 874 | 974 |
| 23 - Jaén | 853 | 953 |
| 24 - León | 887 | 987 |
| 25 - Lleida | 873 | 973 |
| 26 - Rioja, La | 841 | 941 |
| 27 - Lugo | 882 | 982 |
| 28 - Madrid | 810 | 91h |
| 29 - Málaga | 85c | 95c |
| 30 - Murcia | 868 | 968 |
| 31 - Navarra | 848 | 948 |
| 32 - Ourense | 888 | 988 |
| 33 - Asturias | 88b | 98b |
| 34 - Palencia | 879 | 979 |
| 35 - Palmas, Las | 828 | 928 |
| 36 - Pontevedra | 886 | 986 |
| 37 - Salamanca | 823 | 923 |
| 38 - Santa Cruz de Tenerife | 822 | 922 |
| 39 - Cantabria | 842 | 942 |
| 40 - Segovia | 821 | 921 |
| 41 - Sevilla | 85d | 95d |
| 42 - Soria | 875 | 975 |
| 43 - Tarragona | 877 | 977 |
| 44 - Teruel | 878 | 978 |
| 45 - Toledo | 825 | 925 |
| 46 - Valencia/Valéncia | 86e | 96e |
| 47 - Valladolid | 883 | 983 |
| 48 - Bizkaia | 84f | 94f |
| 49 - Zamora | 880 | 980 |
| 50 - Zaragoza | 876 | 976 |
| 51-Ceuta | 856 |  |
| 52-Melilla | 851 |  |

Here if LAC is ‘86a’ ,’96**a’** and **a**=5,6 then applicable LACs are ‘865’, ‘866’, ‘965’ and ‘966’.