|  |
| --- |
| Colt Number Hosting31st 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 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: BusinessResidential |
| endCustomerName | Existing field Mandatory when customerType = Business | **Update** | M | L ≤ 80 | - | - | New REGEX pattern introducedCovered in next section |
| firstName | Existing field Mandatory when customerType= Residential | **Update** | M | L ≤ 50 | - | - | New REGEX pattern introducedCovered in next section |
| lastName | Existing field Mandatory when customerType= Residential | **Update** | M | L ≤ 80 | - | - | New REGEX pattern introducedCovered in next section |
| Installation Address |
| buildingName | Existing field | **Update** | O | L ≤ 50 | - | - | New REGEX pattern introducedCovered in next section |
| premisesNumber | Existing field used to store House Number | **Update** | M | L ≤ 20 | - | - | New REGEX pattern introducedCovered 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 introducedCovered in next section |
| cityTown | Existing field | **Update** | M | L ≤ 50 | - | - | New REGEX pattern introducedCovered in next section |
| postalZipCode | Existing field  | - | M | L = 7 | - | - | 4 characters followed by space and 2 charactersEg: 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 = NoValues 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 = NoValues 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 = NoValues 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= 4,6g= 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’.