



Splitting WLR DDI Block Ranges

Ground Rules



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1.0 Document Control

Doc Title	Version	Date	Detail
Splitting WLR DDI Block Ranges	V1	30/10/2020	<ul style="list-style-type: none"> • New Para 8 added – Subsequent ports • New Appendix R1 added – DDI Block Splitting History

2.0 Definitions



3.0 Background:

Historically, BT has been unable to split and export DDI ranges in blocks of less than 10 numbers. This is to protect the integrity of the serving exchange as splitting blocks in this manner is unduly wasteful of exchange decode resource.

Following repeated Industry requests, BT will allow DDI blocks to be split, in exchange areas where there is sufficient decode resource. This functionality will be launched 21 May 2018

4.0 Exchange constraint:

CPs will need to check that the customers serving exchange supports DDI block split by checking the NIPP section of the BT Wholesale and Ventures website:

<https://www.btwholesale.com/assets/sc/documents/nipp/res/ddi-number-porting-allowed.xls>

The NIPP app needs to be applied for, it is found on the App A-Z tab and then click on register for app.

IPX CPs that do not have TDM contracts to access NIPP via the above route, can do so via the IPX product web page <https://www.btwholesale.com/pages/static/products-services/ip-exchange.htm#accProducts=4>

Where a CP wishes to query the NIPP website response, they can request it is double checked via their Openreach SRM (sales and relationship manager) or via email to bruce.benson@openreach.co.uk

If a block split order is received for an exchange that does not support the capability, then the order will be rejected code 15 with an incompatible exchange reason.

5.0 Worked example:

Note that existing ISDN30 rules still apply, therefore the remaining ISDN30 installation cannot have more than 5 BT DDI ranges following the export of the “partial” range. The following worked example demonstrates this:

Original (BT) DDI range is 00–99, Gaining CP wants to export 25, 50, 60 and 85

This would leave 00–24, 26-49, 51-59, 61-84 and 86-99 and would be ACCEPTED as there would be the maximum of 5 ranges remaining



If the ISDN30 installation with the residual ranges is no longer required then it should be ceased.

Original (BT) DDI range is 00-99, Gaining CP wants to export 25, 50, 60, 70 and 85

This would leave 00-24, 26-49, 51-59, 61-69, 71-84 and 86-99 and would be REJECTED as more than 5 ranges are remaining

6.0 Process:

Orders should be submitted via the normal Openreach port desk (np@openreach.co.uk) route with existing order leadtimes. The port desk will check that the numbers are associated with an exchange that is on the “allowed” list. The order will be accepted by the number portability service centre (NPSC) who create internal orders for number management to split the ranges which then allows the required numbers to be exported on the required by date.

The additional manual handling associated with splitting DDI blocks means that demand will be limited to 10 orders per week pan industry. This will be monitored by the Openreach NPSC (number portability service centre) manually and any orders over the limit will be rejected (code 15 with an appropriate reason) and need to be re-submitted the following week. If volumes dictate, then a more rigorous process will be adopted.

7.0 Repatriation:

If a DDI block has been split and exported to another operator, there may be a need to subsequently “repatriate” it back to the original ISDN30. However, this can only be done if the total number of BT DDIs on the resulting installation is within the limit of 5 and the existing ISDN30 “rules” of DDI ranges being in blocks of 10 continue to apply – so we could not “return to rangeholder” a DDI block of 4 numbers – it would have to be joined to the residual 6 numbers.

8.0 Subsequent porting

From October 2020, CPs will be able to split DDI blocks that have previously been exported; this means that subsequent ports will be accepted. The existing volume limits of 10 orders per week will apply to cover both direct port and subsequent port of split DDI blocks. CPs will be required to check that the exchange is on the “allowed” list where sufficient decode resource allows the blocks to be split. The Openreach port desk will reject orders for exchanges where decode resource is insufficient.

9.0 Graphical representation

The associated powerpoint demonstrates the chronology of block splitting developments:



Pre May 2018, Openreach could only export DDIs in blocks of 10. In the example, a DDI range of 00 – 99 could therefore be split allowing the range 30 – 49 to be exported to OLO1 and the remaining 00 – 29 and 50 – 99 to remain with Openreach.

In May 2018, following CP and Ofcom pressure, Openreach designed a process to allow DDI blocks to be split. In the example, the 00 – 29 range is split, allowing 26 – 29 to be exported to OLO2 and 00 – 25 to be retained on the Openreach platform. Furthermore, the 50 – 99 range is split, allowing 55, 70 and 80 to be exported as single numbers to OLO2 and the residual ranges of 50 – 54, 56 – 69, 71 – 79 and 81 – 99 to be retained on the Openreach platform.

The October 2020 development allows ranges already exported to be split (essentially a subsequent port). In the example, the range 26 – 29 already exported to OLO2 is further split to allow 28 to be subsequently ported to OLO3, with range 26 – 27 and single number 29 remaining on export to OLO2. Also range 30 – 49 previously exported to OLO1, is further split to allow 37 – 49 to be subsequently ported to OLO2 while 30 - 36 remains on export to OLO1.

10.0 Appendices

10.1 App. R1 – DDI Block Splitting History