

<p align="center">Change Proposal – F40/02 (Page 1 of 2)</p>	<p>CP No: 746 <i>(mandatory by BSCCo)</i></p>
<p>Title: Introduction of a more efficient D0265 (Line Loss Factor Data File) data flow format.</p>	
<p>Description of Change</p> <p>The D0265 version 001 data flow is not a very efficient design for the publication of Distribution Business’s Line Loss Factor (LLF) data. It is very difficult to use for validation checking, and due to its large size incurs very large Data Transfer Network (DTN) costs to distribute. Various papers in the past have been written suggesting improvements to the design of LLF information in the data flow in order to reduce its repetition; SIR R1856 (Inefficient and expensive processes for review and publication of Line Loss Factors) being the most complete example.</p> <p>This CP proposes the introduction of a new, more efficient, design for the D0265 (version 002). It is thought that the introduction of this new revised format D0265 data flow would reduce a typical 50MB D0265 version 001 data flow file to about 150KB, i.e. a DTN saving of £299 per 50MB file. In a typical year, 12.5GB of D0265 data is sent across the DTN in 386 data flows at a cost in the region of £75K. Almost all of this cost would be saved as a result of the introduction of this CP.</p>	
<p>Proposed Solution(s)</p> <p>It is proposed to replace version 001 of the D0265 with a more efficient design format for the D0265, i.e. version 002. This would compress repetitive LLF data for a Line Loss Factor Class (LLFC), and allow LLFCs to be grouped together for the same LLF data. The proposed design is illustrated in Annex A. The resulting output is almost identical to the format used by the Distribution Business for their LLF summary reports.</p> <p>This revised format D0265 data flow will affect all Parties that either construct and send the data flow (i.e. Distributors), those that receive and use the data flow (i.e. Half Hourly Data Aggregators, Initial Allocation and Reconciliation Agent, Supplier Volume Allocation Agent, and Suppliers), and any publication of such information on the BSC Website (i.e. Modification Proposal P30). It does not change any obligations on the Distribution Businesses to send the data flow.</p>	
<p>Justification for Change</p> <ol style="list-style-type: none"> 1. Considerable reduction in the very large DTN costs associated with distributing D0265 version 001 (typically in the region of £75K p.a.). 2. The current file size, and format, makes D0265 data flow file validation very difficult and time consuming. 	
<p>Other Configurable Items Potentially Affected by Proposed Solution(s) BSC SVA Data Catalogue, SVAA Systems</p>	
<p>Impact on Core Industry Documents DTC.</p>	
<p>Related Changes and/or Projects Modification Proposal P30.</p>	

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CP No:
(mandatory by
BSCCo)

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Date *5 February 2002*

Attachments:

Yes, see Annex A 'Proposed new version 002 D0265 (Line Loss Factor Data File) data flow format'

Annex A - Proposed new version 002 D0265 (Line Loss Factor Data File) data flow format

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	Item Name
DIS	Distributor	1		G					
					1				Distributor Id
LLG	Line Loss Group`	1-*			G				
						0			Line Loss Factor Group Description
LLF	Line Loss Factor Class`	1-*				G			
							1		Line Loss Factor Class Id
LLH	Line Loss Header	1-*				G			
							1		Effective From Settlement Date {LLFS}
							1		Effective To Settlement Date {LLFS}
							1		Working / Non Working Day Indicator
LLP	Line Loss Period Values	1-*					G		
								1	Settlement Period Id
								1	Line Loss Factor

Note:

1. An LLP Group is only required initially, i.e. Settlement Period ID = 1, for the Settlement Period defined by the LLH Group, and for every change thereafter within that day. For example, if the LLF is 1.1 for Settlement Periods up to 24 and then 1.05 thereafter, only 2 LLP Groups are required.
2. There can be one or more Line Loss Factor Classes (i.e. group LLF) specified for a single set of data (as defined by the LLH/LLP Groups).
3. The LLG Group must contain at least one entry otherwise there is no point in sending the data flow
4. The LLG, LLH and LLP Groups are new for the revised data flow. The existing SPL Group name could be used instead of LLP but it was thought that a change in name would emphasise its change of use, i.e. covering a range of Settlement Periods rather than for a specific Settlement Period. All proposed Group names are provisional.
5. The proposed new D0265 version 002 data flow would use the following new data items in addition to those that already exists:

New Data Item	Proposed Format	Comment
Working / Non Working Day Indicator	Char(1)	This would take the following values: "W" = Monday to Friday "N" = Saturday, Sunday and Bank Holidays
Line Loss Factor Group Description	Char(50)	Text description that the originating Distribution Business can assign to a group of LLFCs and their associated LLF data for clarity.

Example D0265 version 2 data flow:

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DIS|xxxx
LLG|Example group of 2 LLFCs sharing the same LLF Data
LLF|010
LLF|011
LLH|20010401|20010331|W
LLP|1|1.001
LLH|20010401|20010331|N
LLP|1|1.002
LLP|11|1.003
LLG|Example group of a single LLFC and its LLF Data
LLF|020
LLH|20010401|20010331|W
LLP|1|1.010
LLH|20010401|20010331|N
LLP|1|1.012
LLP|11|1.013
    
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