Redlined BSCP509 Appendix 2 for CP1434 'Amend the three digit numeric Line Loss Factor Class (LLFC) Id to an alphanumeric Id'.

CP1434 proposes changes to BSCP509 Appendix 2 Sections 3.8, 2.26, 3.27 and 3.33.

We have redlined these changes against Version 1.0.

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3.8 Entity 17 – Line Loss Factor Class (LLFCs)

Market Participant Id	Market Participant Role Code	Effective From Settlement Date {MPR}	Line Loss Factor Class Id	Line Loss Factor Class Description	MS Specific LLF Class Indicator	Effective From Settlement Date {LLFC}	Effective To Settlement Date {LLFC}

Brief Description
The reference for a Line Loss Factor, within a Distributor's system, that applies to a group of Metering Systems.

Guidance on Change Process
Licensed Distribution Businesses are required to register Line Loss Factor Classes in MDD in accordance with the processes outlined in BSCP509 and BSCP128. When the description of an existing Line Loss Factor Class is changed, no other details must change (including Effective From Settlement Date LLFC). The change is applied as a direct overwrite of the previous description, i.e. no dates will be affected. When creating a new LLFC in MDD the Distributor must also provide the amended D0265 detailing the LLFs which will coincide with the Effective From Settlement Date of the new LLFC. A Change Request raising a new LLFC cannot be implemented into MDD without a supporting D0265. If it is not the Distributor creating an LLFC, the appropriate authorisation must be gained from the relevant LDSO. This authorisation must also be gained if an LLFC is to be linked to any valid combinations (Entity 55, Entity 56 and Entity 63). When raising new LLFCs, it is the responsible of LDSOs, or BSC Parties to ensure the appropriate combinations are entered into MDD within the relevant timescales. When a Distribution Business discontinues an LLFC in MDD it is the responsibility of the Distribution Business to liaise with their SMRA and ensure that any Metering Systems that were previously registered to that LLFC have been migrated to another LLFC. If the Metering Systems are not migrated, validation warnings will be created by the ISRA system. In addition to this the LLFs will automatically default to 1. The discontinuation of a Line Loss Factor Class is done by giving the LLFC an Effective To Settlement Date. The LLFC will remain valid for all Settlement Dates up to and including the Effective To Settlement Date {LLFC}, and so be valid for reconciliation runs.

Field Details				
Fieldname	No of Chars	Format	M/O	Description/Comments
Market Participant Id	4	A	M	The identifier for the Market Participant.
Market Participant Role Code	1	A/N	M	One character code for Distributor role (R).

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Field Details				
Fieldname	No of Chars	Format	M/O	Description/Comments
Effective From Settlement Date {MPR}	10	D	M	It must be the date the Distributor became active in the Market, i.e. the date provided in the Market Participant Role table.
Line Loss Factor Class Id	3	A/N	M	~~It must be within the numerical range 0 – 999~~Excluding '000' and any combination using 'I' or 'O' or starting '0' or '00'.
Line Loss Factor Class Description	30 Max. (including spaces)	A/N	M	
MS (Metering System) Specific LLF Class Indicator	1	A	M	See details in Additional Validation below.
Effective From Settlement Date {LLFC}	10	D	M	The first Settlement Date on which the Line Loss Factor Class is active.
Effective To Settlement Date {LLFC}	10	D	O	The last Settlement Date on which the Line Loss Factor Class is active.

Additional Validation
MS (Metering System) Specific LLFC Indicator must take one of the following values: A - General LLFC for Import Active Energy B - MS Specific LLFC for Import Active Energy C - General LLFC for Export Active Energy D - MS Specific LLFC for Export Active Energy
When raising or end dating a LLFC, the Effective From/To Settlement Date {LLFC} must be greater than or equal to the MDD Go-live date. When a Line Loss Factor Class is discontinued, all valid child combinations (Entity 55, Entity 56 and Entity 63) joined with the LLFC must also be end dated using a date no later than the Effective To Settlement Date {LLFC}. When discontinuing a Line Loss Factor Class and associated child combinations, the originator should check if any Valid MTC SSC Combinations (Entity 54) are now redundant, and can also be end dated. If so, there may also be MTCs (Entity 53) and SSCs (Entity 32) that can be end dated.

Links to Other Entities
There must be a Market Participant (Entity 1) and a Market Participant Role (Entity 45) with Role Code 'R' assigned to the Market Participant.

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3.26 Entity 55 - Valid MTC LLFC Combinations

Meter Timeswitch Class Id	MTC Effective From Settlement Date	Market Participant Id	Effective From Settlement Date of MTC for Distributor	Effective To Settlement Date of MTC for Distributor	Line Loss Factor Class Id	Market Participant Role Code	Market Participant Role Effective From Settlement Date

LLFC Effective From Settlement Date	LLFC Effective To Settlement Date	Valid MTC/LLFC Combination Effective From Settlement Date	Valid MTC/LLFC Combination Effective To Settlement Date

Brief Description
A valid combination of Meter Timeswitch Class and Line Loss Factor Class.

Guidance on Change Process
See the Entity Diagram in Section 4.2.

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Field Details				
Fieldname	No of Chars	Format	M/O	Description/Comments
Meter Timeswitch Class Id	3	N	M	The MTC Id must be within the range 0-999.
MTC Effective From Settlement Date	10	D	M	The Settlement Date from which the Meter Timeswitch Class Id is active.
Market Participant Id	4	A	M	The Distributor Id.
Effective From Settlement Date of MTC for Distributor	10	D	M	The Settlement Date from which MTC for Distributor is active
Effective To Settlement Date of MTC for Distributor	10	D	O	The last Settlement Date on which MTC for Distributor is active
Line Loss Factor Class Id	3	A/N	M	The relevant LLFC Id to be linked to the MTC Id. Excluding '000' and any combination using 'I' or 'O' or starting '0' or '00'.~~It must be within the numerical range 0 – 999~~
Market Participant Role Code	1	A/N	M	The Distributor Role Code 'R'.
Market Participant Role Effective From Settlement Date	10	D	M	The Settlement Date the Market Participant became active in this role.
LLFC Effective From Settlement Date	10	D	M	The first Settlement Date on which the Line Loss Factor Class is active.
LLFC Effective To Settlement Date	10	D	O	The last Settlement Date on which the Line Loss Factor Class is active.
Valid MTC/LLFC Combination Effective From Settlement Date	10	D	M	The first Settlement Date on which the Valid MTC LLFC Combination is active.
Valid MTC/LLFC Combination Effective To Settlement Date	10	D	O	The last Settlement Date on which the Valid MTC LLFC Combination is active. If entered, must be the same as the MDD Go Live Date or later.

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Additional Validation
A Valid MTC LLFC Combination can only be created if a parent record exists in MTC for Distributor with a MTC Type Indicator of 'H', or Type Indicator is null and the parent Meter Timeswitch Class Type Indicator of 'H'.
LLFC can have any MS Specific Type Indicator.
The Effective From/To Settlement Dates VMTCLC must fall within the Effective From/To Settlement Dates for Distributor of the parent MTC for Distributor.
The Effective From/To Settlement Dates VMTCLC must fall within the Effective From/To Settlement Dates for the parent Line Loss Factor Class.
Effective To Settlement Date VMTCLC, where it is not null, must be greater than or equal to Effective From Settlement Date VMTCLC.
It is not permissible to have more than one Valid MTC LLFC Combination, with the same Meter Timeswitch Class Id, Distributor Id and Line Loss Factor Class Id, effective in MDD at the same time.
Effective From Settlement Date VMTCLC must be the same as the MDD Go Live date or later.
Effective From Settlement Date MTC, Effective From Settlement Date for Distributor must correspond with the dates held in MDD, or if they are all being set up simultaneously, must be the same as the MDD Go Live date or later.

Links to Other Entities
There must already be a Market Participant record (Entity 1) and Market Participant Role (Entity 45).
There must be a valid Line Loss Factor Class (Entity 17) for the participant.
There must be a valid Meter Timeswitch Class (Entity 52) and Meter Timeswitch Class for Distributor (Entity 53).

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3.27 Entity 56 - Valid MTC SSC LLFC Combinations

Meter Timeswitch Class Id	Distributor Id	Standard Settlement Configuration Id	Valid MTC/SSC Effective From Settlement Date	Valid MTC/SSC Effective To Settlement Date	Line Loss Factor Id	Market Participant Role	Market Participant Role Effective From Settlement Date

LLFC Effective From Settlement Date	LLFC Effective To Settlement Date	Valid MTC/LLFC/SSC Combination Effective From Settlement Date	Valid MTC/LLFC/SSC Combination Effective To Settlement Date

Brief Description
Allows the user to link specific Line Loss Factor Classes to Valid MTC SSC Combinations.

Guidance on Change Process
See the Entity Diagram in Section 4.2. When Change Requests are made for Valid MTC LLFC SSC Combinations with an Effective To Settlement Date VMTCLSC the Participant should check that all related Valid MTC LLFC SSC PC Combinations (Entity 63) have an Effective To Settlement Date VMTCLSCPC no later than Effective To Settlement Date VMTCLSC

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Field Details				
Fieldname	No of Chars	Format	M/O	Description/Comments
Meter Timeswitch Class Id	3	N	M	In the range 0-999.
Distributor Id	4	A	M	The Market Participant Id
Standard Settlement Configuration Id	4	N	M	In the range 0000-9999. The SSC Id linked to the MTC Id.
Valid MTC/SSC Effective From Settlement Date	10	D	M	The first Settlement Date on which the MTC/SSC combination is active.
Valid MTC/SSC effective To Settlement Date	10	D	O	The last Settlement Date on which the MTC/SSC combination is active.
Line Loss Factor Class Id	3	A/N	M	Excluding '000' and any combination using 'I' or 'O' or starting '0' or '00'~~In the range 0-999~~. The relevant LLFC Id to be linked to the Valid MTC SSC Combination.
Market Participant Role	1	A/N	M	The Distributor Role Code - 'R'.
Market Participant Role Effective From Settlement Date	10	D	M	The Settlement Date on which the Market Participant became active in the Role.
LLFC Effective From Settlement Date	10	D	M	The first Settlement Date on which the Line Loss Factor Class is active.
LLFC Effective To Settlement Date	10	D	O	The last Settlement Date on which the Line Loss Factor Class is active.
Valid MTC/LLFC/SSC Combination Effective From Settlement Date	10	D	M	The first Settlement Date on which the Valid MTC SSC LLFC Combination is active.
Valid MTC/LLFC/SSC Combination Effective To Settlement Date	10	D	O	The last Settlement Date on which the Valid MTC SSC LLFC Combination is active.

Additional Validation
The MTC must have a MTC Type Indicator of 'N', indicating a NHH Metering System.
Only an LLFC with a MS Specific LLFC Indicator of 'A' can be linked to an SSC with Type of 'I'.
Only an LLFC with a MS Specific LLFC Indicator of 'C' can be linked to an SSC with Type of 'E'.
The Valid MTC/LLFC/SSC Combination Effective From/To Settlement Dates must fall within the Valid MTC/SSC Effective From/To Settlement Dates for the Valid MTC SSC Combination.
The Valid MTC/LLFC/SSC Combination Effective From/To Settlement Dates must fall within the LLFC Effective From/To Settlement Dates for the linked LLFC.

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Additional Validation
When end-dating a Valid MTC SSC LLFC Combination, the Valid MTC/LLFC/SSC Combination Effective To Settlement Date must be greater than or equal to the Valid MTC/LLFC/SSC Combination Effective From Settlement Date.
When end-dating a Valid MTC SSC LLFC Combination, the Valid MTC/LLFC/SSC Combination Effective To Settlement Date must be greater than or equal to the MDD Go-live date.
It is not permissible to have more than one Valid MTC LLFC SSC Combination, with the same Meter Timeswitch Class Id, Distributor Id, Standard Settlement Configuration Id and Line Loss Factor Class Id, effective in MDD at the same time.

Links to other entities
There must already be a Market Participant (Entity 1) and Market Participant Role (Entity 45).
There must already be a Line Loss Factor Class (Entity 17) for the LLFC and Distributor.
A Valid MTC SSC Combination (Entity 54) must exist with the matching MTC and SSC codes.
There must be a valid Meter Timeswitch Class (Entity 52) and Meter Timeswitch Class for Distributor (Entity 53).

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3.33 Entity 63 - Valid MTC LLFC SSC PC Combinations

Meter Timeswitch Class Id	Distributor Id	Standard Settlement Configuration Id	Valid MTC/SSC Effective From Settlement Date	Line Loss Factor Class Id	Market Participant Role Code	Market Participant Role Effective From Settlement Date	LLFC Effective From Settlement Date

Valid MTC/LLFC/SSC Combination Effective From Settlement Date	Profile Class Id	Valid MTC/LLFC/SSC/PC Combination Effective From Settlement Date	Valid MTC/LLFC/SSC/PC Combination Effective To Settlement Date	Preserved Tariff Indicator

Brief Description
Allows the user to link specific Profile Classes to Valid MTC LLFC SSC Combinations.

Guidance on Change Process
See the Entity Diagram in Section 4.2.

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Field Details				
Fieldname	No of Chars	Format	M/O	Description/Comments
Meter Timeswitch Class Id	3	N	M	In the range 0-999.
Distributor Id	4	A	M	The Market Participant Id
Standard Settlement Configuration Id	4	N	M	In the range 0000-9999. The SSC Id linked to the MTC Id.
Valid MTC/SSC Effective From Settlement Date	10	D	M	The first Settlement Date on which the MTC/SSC combination is active.
Line Loss Factor Class Id	3	A/N	M	Excluding '000' and any combination using 'I' or 'O' or starting '0' or '00'.~~In the range 0-999~~ The relevant LLFC Id linked to the MTC/SSC combination.
Market Participant Role Code	1	A/N	M	The Distributor Role Code – 'R'
Market Participant Role Effective From Settlement Date	10	D	M	The Settlement Date on which the Market Participant became active in the Role.
LLFC Effective From Settlement Date	10	D	M	The first Settlement Date on which the Line Loss Factor Class is active.
Valid MTC/LLFC/SSC Combination Effective From Settlement Date	10	D	M	The first Settlement Date on which the Valid MTC SSC LLFC Combination is active.
Profile Class Id				
Valid MTC/LLFC/SSC/PC Combination Effective From Settlement Date	10	D	M	The first Settlement Date on which the Valid MTC SSC LLFC PC Combination is to be active.
Valid MTC/LLFC/SSC/PC Combination Effective To Settlement Date	10	D	O	The last Settlement Date on which the Valid MTC SSC LLFC PC Combination is to be active.
Preserved Tariff Indicator	1	A	M	The Preserved Tariff Indicator, "T" or "F"

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Additional Validation
The MTC must have a MTC Type Indicator of 'N', indicating a NHH Metering System.
Only an LLFC with a MS Specific LLFC Indicator of 'A' can be linked to an SSC with Type of 'I'.
Only an LLFC with a MS Specific LLFC Indicator of 'C' can be linked to an SSC with Type of 'E'.
The Valid MTC/LLFC/SSC/PC Combination Effective From/To Settlement Dates must fall within the Valid MTC/LLFC/SSC Combination Effective From/To Settlement Dates for the Valid MTC LLFC SSC Combination.
The Valid MTC/LLFC/SSC/PC Combination Effective From/To Settlement Dates must fall within the Valid Settlement Configuration Profile Class Effective From/To Settlement Dates for the linked Profile Class and SSC.
When end-dating a Valid MTC SSC LLFC PC Combination, the Valid MTC/LLFC/SSC/PC Combination Effective To Settlement Date must be greater than or equal to the Valid MTC/LLFC/SSC/PC Combination Effective From Settlement Date.
When end-dating a Valid MTC SSC LLFC PC Combination, the Valid MTC/LLFC/SSC/PC Combination Effective To Settlement Date must be greater than or equal to the MDD Go-live date.
It is not permissible to have more than one Valid MTC LLFC SSC PC Combination, with the same Meter Timeswitch Class Id, Distributor Id, Standard Settlement Configuration Id, Line Loss Factor Class Id and Profile Class Id, effective in MDD at the same time.
Preserved Tariff Indicator must be either T (True) or F (False

Links to other entities
There must already be a Market Participant (Entity 1) and Market Participant Role (Entity 45).
There must already be a Line Loss Factor Class (Entity 17) for the LLFC and Distributor.
A Valid MTC SSC Combination (Entity 54) must exist with the matching MTC and SSC codes.
There must be a valid Meter Timeswitch Class (Entity 52) and Meter Timeswitch Class for Distributor (Entity 53).
SSC must have an entry in the Standard Settlement Configuration table (Entity 32).
Profile Class and SSC must have an entry in the Valid Settlement Configuration Profile Class (Entity 40) table.
A Valid MTC LLFC SSC Combination (Entity 56) must exist with the matching MTC, SSC and LLFC codes.

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