



MOD700 - Enabling Large Scale Utilisation of Class 3 Changes to UNCVR

DSG 19/08/2019

UNC Modification 0700 Design Considerations

- Mod 0700 raised to limit the impacts to UK Link systems of Large Scale uptake of Class 3
 - Manage migration to Class 3
 - Smooth Meter Reading submission profiles
 - Manage impacts to UK Link Application of large scale Meter Readings
- Change Pack issued on 12th August - 2404.2 - RT – JR
- Preliminary document updates
 - Code Communications document
 - IS Service Definition
- Change Managers agreed that further extraordinary Change Packs can be issued as necessary

Manage Migration to Class 3

- Under 0700 the CDSP is able to define a Daily Limit for the User for migration to Class 3
 - IS Service Definition currently indicates that daily limit for all the Users is 26,000 SPC files
 - Currently assessing available volumes available to Users
 - Expected to keep SPC Capacity under review during transition period
 - Code reflects that the Supply Point Amendment process generally will be monitored and SPC files rejected that exceed daily specified limit
 - Allocation approach to be proposed to DSC Contract Management Committee
 - Suggested that a de minimus allocation is provided to all Users
 - Remaining capacity is allocated to Users following request
 - Request that capacity is only constrained for EUC01 – **this will prove difficult to identify at a file level, therefore is disregarded**

Manage Migration to Class 3

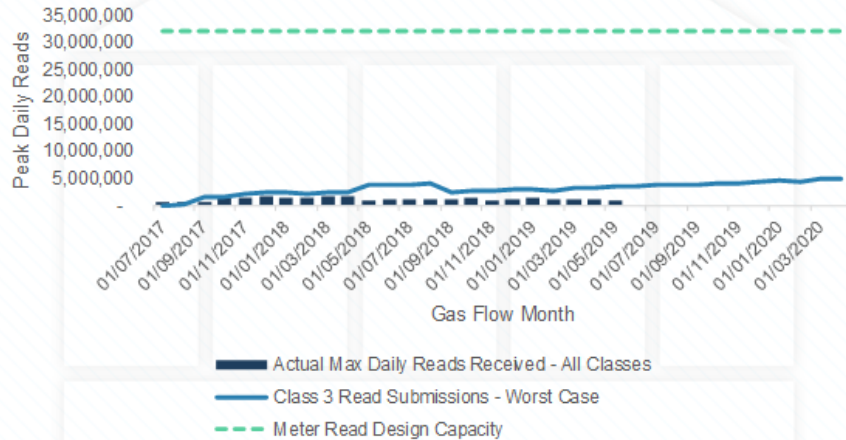
- Inserted a process into the UK Link Manual to reflect the new Code Communications (lines 397-399)
 - Users to specify projected utilisation in forthcoming calendar month [10 days prior to CoMC]
 - CDSP to assess volumes and allocate a Daily Limit per User
- Representations invited from Users regarding the format of SPC File Rejections....
 - Views invited whether Email (rather than a UK Link Communication)
 - [Views whether Email can be considered on a temporary basis – [from Mod implementation]

Annex G-1 . 11	Notification by the User of Supply Point Amendment projected demand.	Where in respect of a Day a User submits Supply Point Amendments in excess of the User's limit as provided for in the UK Link Manual (and notified to the User by the CDSP) the CDSP shall be entitled to reject any Supply Point Amendments submitted in excess of the User's daily limit (and where Supply Point Amendments are submitted in a batch which results in the User's daily limit being exceeded all the Supply Point Amendments in the batch will be rejected).	U	X	E			Users to communicate this [10 Supply Point System Business Days] prior to the Contract Management Committee in the month preceding this taking effect.	0700
	Notification to the User of Supply Point Amendment daily limit.		X	U	E				
	Rejection of the Supply Point Amendments by CDSP to User		X	U	E				

Smooth Meter Reading Submission Profiles

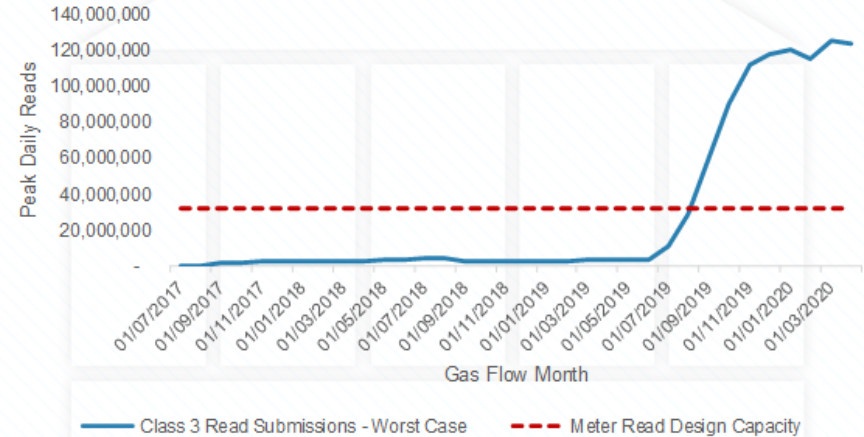
Projected Class 3 Read Volumes

Class 3 Meter Read Volume Forecast - February 2019 - April 2020: Before UIG Factor Publication



Projected Class 3 Read Volumes

Class 3 Meter Read Volume Forecast - February 2019 - April 2020: After UIG Factor Publication



- Risk of material Peak Day Meter Reading processing
- Submission profile smoothing proposed – which was discussed during Nexus Requirements

Smooth Meter Reading Submission Profiles

Pre 0700 C3 Rules	Post 0700 Rules
Submitted in batches – Weekly; Fortnightly or Monthly	Submitted Daily or in Weekly batches [<i>EUC1 only</i>]
	Readings submitted by D+10 calendar days [<i>EUC1 only</i>]
Reading submitted by M+10 calendar days	

- Smoother submission profile - so that Peak day is reduced
 - Maximum Read Batch Size is Weekly – therefore no more than 7 Readings expected
 - Minimum provision of single Daily Meter Readings
 - UNC states that the Daily / Weekly batches and D+10 validation is applied across all EUCs – however, since the volumetrics in EUC2-9 are limited a solution has been identified so this validation need not be applied.

Manage impacts to UK Link Application of Meter Readings

- Since the following changes were to manage large scale volumes into the UK Link Application, these rules only apply to Smaller Supply Points in Class 3 (i.e. EUC01)
- Larger Supply Points (EUC2-9) are not subject to Mod 0700 rules – all Readings validated by CDSP and if accepted will be Valid
- All Replacement and Opening meter readings and readings with a non zero RTC (for all EUCs) are not subject to Mod 0700 rules.

Manage impacts to UK Link Application of Meter Readings (EUC1, Non Opening Readings only)

- Meter Reading Selection
- CDSP required to take a minimum of one Meter Reading per Batch Period to determine whether
 - Valid Meter Readings will prompt Reconciliation (and AQ)
 - If the selected Meter Reading isn't Valid, CDSP will select one more Meter Reading to validate
 - CDSP will assign 'assured' status to remaining Meter Readings in Batch if Meter Reading is Valid
 - Assured Meter Readings contribute towards Meter Reading performance
 - NB: Users are still required to Validate ALL Meter Readings

Key

RD - Read day

R - Read submitted

AS - Read Assured

RJ - Read Rejected

UA - Read unassured

AC - Read Accepted

Replacements don't amend the initial status as only Replace ACs

Illustration of Reading Performance - 1 Reading Accepted; Remaining Readings Assured											
Calendar Date Read Date	01/MM/20YY	02/MM/20YY	03/MM/20YY	04/MM/20YY	05/MM/20YY	06/MM/20YY	07/MM/20YY	08/MM/20YY	09/MM/20YY	10/MM/20YY	11/MM/20YY
01/MM/20YY	RD R								AS		
02/MM/20YY		RD R							AS		
03/MM/20YY			RD R						AS		
04/MM/20YY				RD R					AS		
05/MM/20YY					RD R				AC		
06/MM/20YY						RD R			AS		
07/MM/20YY							RD R		AS		

Illustration of Reading Performance - 1st Reading Rejected; 2nd Reading Accepted; Remaining Readings Assured											
Calendar Date Read Date	01/MM/20YY	02/MM/20YY	03/MM/20YY	04/MM/20YY	05/MM/20YY	06/MM/20YY	07/MM/20YY	08/MM/20YY	09/MM/20YY	10/MM/20YY	11/MM/20YY
01/MM/20YY	RD R								AS		
02/MM/20YY		RD R							AS		
03/MM/20YY			RD R						AC		
04/MM/20YY				RD R					AS		
05/MM/20YY					RD R				RJ		
06/MM/20YY						RD R			AS		
07/MM/20YY							RD R		AS		

Illustration of Reading Performance - 1st and 2nd Reading Rejected; Remaining Readings Not Assured											
Calendar Date Read Date	01/MM/20YY	02/MM/20YY	03/MM/20YY	04/MM/20YY	05/MM/20YY	06/MM/20YY	07/MM/20YY	08/MM/20YY	09/MM/20YY	10/MM/20YY	11/MM/20YY
01/MM/20YY	RD R								UA		
02/MM/20YY		RD R							UA		
03/MM/20YY			RD R						RJ		
04/MM/20YY				RD R					UA		
05/MM/20YY					RD R				RJ		
06/MM/20YY						RD R			UA		
07/MM/20YY							RD R		UA		

Manage impacts to UK Link Application of Meter Readings (EUC1, Non Opening Reads only)

- Definition of the Batch Period
 - Some tedious UNC stuff (sorry).....UNC defines the following:
 - 5.8.1 In relation to each Class 3 Supply Meter:
 - (a) a "**Batch Period**" *is a period of 7 Days* (provided a Batch Period may have a shorter duration);
 - (b) a "**Batch Submission**" is the *submission by a User of Daily Meter Readings as a batch for each Day in a Batch Period.*
 - 5.8.3 In relation to Smaller Supply Meter Points *not all Meter Readings shall be subject to a check on validation* by the CDSP and the Validation Rules: ...
 - (b) shall provide that *at least one Daily Meter Reading in each Batch Period is subject to a check on validation by the CDSP;*
** Emphasis added*
- Batch Period is 7 Days in duration (**or less**)...
- The Shipper will submit a Batch Submission of 7 days or less for the Batch Period
- The CDSP need not validate (i.e. determine if Valid for Rec) all Meter Readings,
- ...but must do so for one Meter Reading in the 7 day Batch Period

Manage impacts to UK Link Application of Meter Readings (EUC1, Non Opening Reads only)

- **Batch Period Definition**
- CDSP will define the Batch Period – this ensures contiguous periods
 - Start of Batch Period considerations:
 - Based on Shipper Batch Submission (solution option)
 - Exception to the shipper batch submission rule will be the transfer scenarios where any reads received for a date after the shipper transfer date will be processed only once the shipper transfer read has been fulfilled.
 - Note: Batch Submission should be no more than 7 days – if greater than 7 days, if not rejected then CDSP will only load one Meter Reading from this Batch Submission
 - Discounted options
 - Fixed within week – e.g. Mon-Sun
 - Fixed within Month – e.g. 1-7; 8-14; 15-21; 22-28; 29-31; 1-7...
 - Determined by start of MPR in C3 – whether SPC; or Confirmation Effective Date

Manage impacts to UK Link Application of Meter Readings (EUC1, Non Opening Readings only)

- User can specify a preferred read date, and if there is a reading present for that date, it will be selected by the CDSP for processing
- Other than the User 'specified date', the CDSP will select a Meter Reading within the Batch
 - Typically this will be the last Reading
 - But there are some exceptions, so this will NOT always be the case
- User can set the preferred date **for the portfolio** by submission of an email to the CDSP (as per draft in Code Communications document) – Change Pack - 2404.2

G5.8.4(a)	Provision by the User of a date for Class 3 Supply Meters which the CDSP are to use to identify Valid Meter Readings (and use for Offtke Reconciliation).	For the purposes of paragraph 5.8.3: (a) in respect of a each calendar month the User may notify the CDSP of a single date ("specified date") in the calendar month in respect of which it requires the CDSP to check on validation of all Meter Readings submitted by it for which the Read Date is the specified date;	U	X	E				To be submitted [10 Supply Point System Business Days] before the start of the month in which it will become effective	0700
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UNCVR Impacts - Relational Validation

- In UNCVR, Validations **relate** to the previous Meter Reading and to verify that the [volume] recorded is within expected limits....
- For EUC01 where only certain Meter Readings within a Batch Period will be used, this relational validation may cause problems
- **Round the Clock Validation** – indicates whether the Meter Reading has gone ‘through the zeros’ since the previous reading.
 - Fix: CDSP will scan for non zero RTC counts, and prioritise loading these Meter Readings
- **Tolerance Bandings** – tests whether the Meter Reading consumption has advanced as expected against the previous Meter Reading
 - Fix: Suspension of Inner Tolerances for Class 3 (EUC01), but retention of Outer Tolerance

UNCVR Impacts - Inner Tolerance validations

- Originally planned to suspend for Class 3 EUC01 Non Opening Readings, but:
 - Since Opening and Replacement Meter Readings would be subjected to Tolerance Validations, the latest submitted Non Opening Reading may not be accepted (i.e. within UKL), hence same risk as Non Opening Readings
 - Non Opening reads with a non zero TTZ and EUC band 1 will be prioritized for processing and will follow the normal read validations. It would be difficult to differentiate these reads to determine whether to apply Inner Tolerance checks
 - For meter points where EUC band changes from/to Band 1, the read will be validated based on the last accepted read which again may not be the latest submitted read by the shipper.
- Due to the above complexities in terms of inner tolerance validations, **it is recommended that inner tolerance checks are suspended for all Class 3 Meter Readings.**