



MOD0700 - Extraordinary DSG
27th August 2019

AUGE Set new weighting factors for UIG

UIG Factor Relative Weights Over Time

2017-18  2018-19  2019-20

EUC Band	Class 1	Class 2	Class 3	Class 4	EUC Band	Class 1	Class 2	Class 3	Class 4	EUC Band	Class 1	Class 2	Class 3	Class 4
1	0.18	52.39	52.43	111.94	1	0.17	43.06	46.41	94.64	1	0.2	4.07	24.23	163.68
2	0.18	51.6	51.5	115.73	2	0.17	43.06	46.41	109.77	2	0.2	4.07	15.33	110.79
3	0.18	53.16	53.11	114.52	3	0.17	43.06	44.06	107.52	3	0.2	4.07	10.2	17.92
4	0.18	54.94	55.05	54.25	4	0.17	43.06	43.6	43.76	4	0.2	3.89	7.71	12.51
5	0.18	54.82	55.13	59.18	5	0.17	43.06	46.06	43.2	5	0.2	3.5	6.75	7.87
6	0.18	50.69	51.14	54.23	6	0.17	44.54	46.06	42.65	6	0.2	2.86	6.2	4.31
7	0.18	40.41	40.89	39.5	7	0.17	32.41	46.06	42.33	7	0.2	1.96	4.93	2.14
8	0.18	21.87	22.19	18.53	8	0.17	4.38	33.4	42.24	8	0.2	0.78	1.82	1.7
9	0.18	0.18	0.18	0.18	9	0.17	0.17	0.17	0.17	9	0.2	0.2	0.2	0.2

The 2019-20 step change appears to be the tipping point and triggered Shippers to plan significant migration into Class 3

Extract from Class 3 Supply Point Migration Workshop:

<https://www.xoserve.com/news/class-3-supply-point-migration-workshop-actions-and-next-steps/>

Impact of weighting factors

- A significant number of class 4 sites in EUC1 and EUC2 that could potentially benefit from moving to a class 3 product.
- Increase in class changes prior to the effective date of change.
- Class 3 sites are daily read and therefore could increase the number of daily reads.
- This could impact UK Link and it's ability to process the reads.

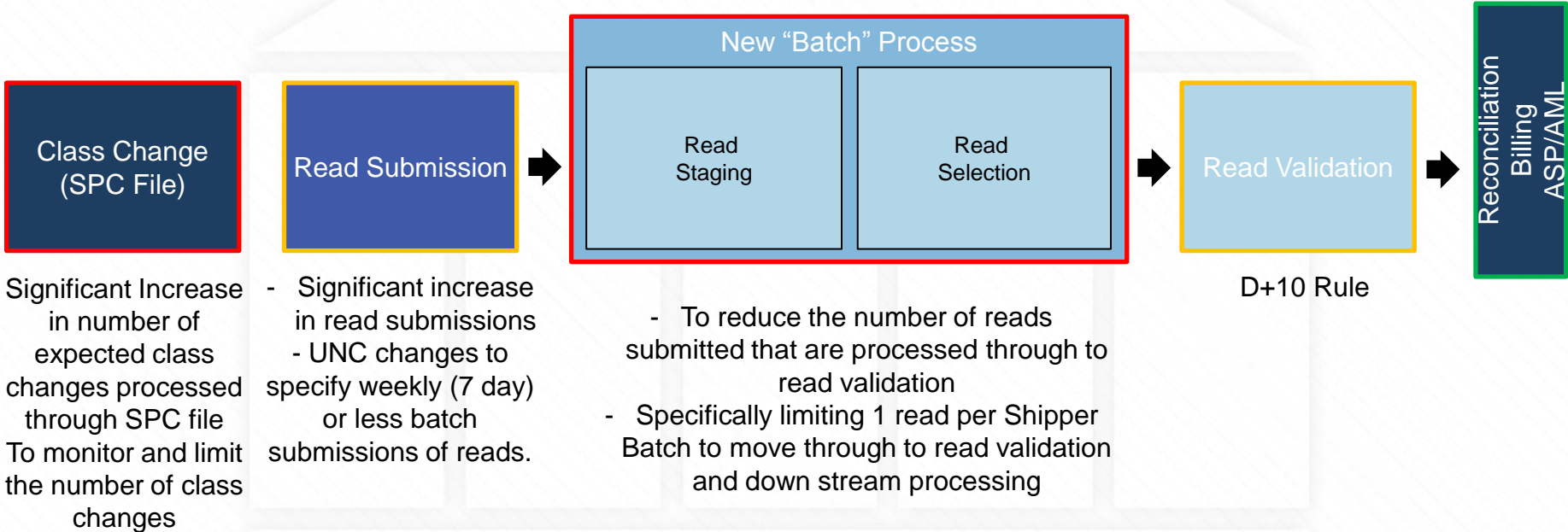
MOD0700

- MOD0700 has been introduced to look at implementing changes to minimise impact of mass migration of EUC 1 Supply Points into Class 3 product, specifically:
 - Number of class changes processed
 - Number of reads being processed through to read validation

Scope of MOD700 Requirements

Modifications required to existing PAR reports (Read Submission and Read Validation)

Reporting



Significant Change

Moderate Change

No Change

Class Change - SPC File

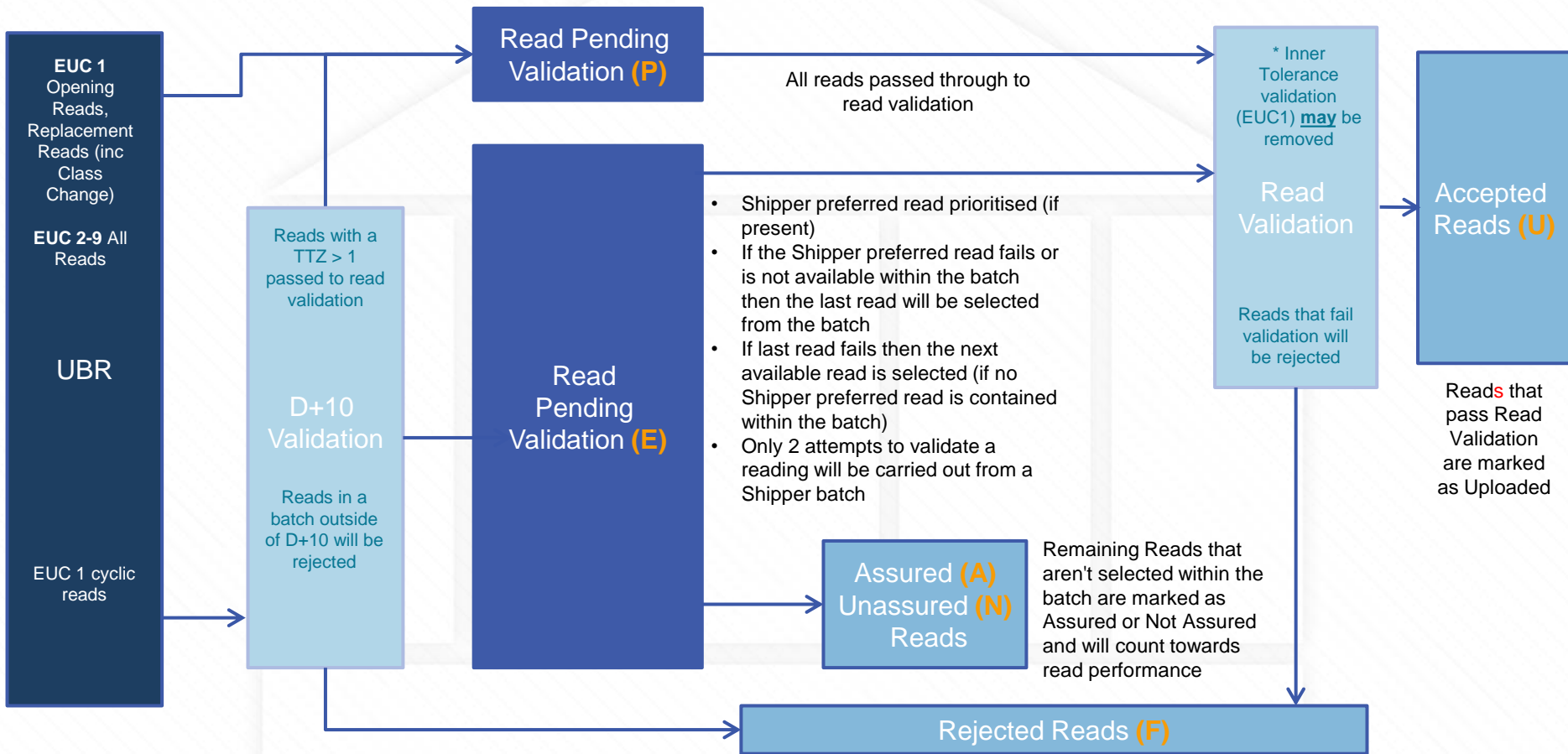
SPC File		
Record Type	RT_S34_MRF_AND_BATCH_FREQ_CHANGE_REQUEST	1000 Record Limit
	RT_S35_CANCEL_MRF_AND_BATCH_FREQ_CHANGE_REQ	1000 Record Limit
	RT_S36_SMP_CAPACITY_CHANGE_REQ	1000 Record Limit
	RT_S37_CANCEL_SMP_CAPACITY_CHG	1000 Record Limit
	RT_C38_CLASS_CHANGE	1000 Record Limit
	RT_C39_CLASS_CHANGE_CANCELLATION	1000 Record Limit
	RT_U80_NTS_OPT_RATE_CHANGE	1000 Record Limit
	RT_U81_NTS_OPT_RATE_CANCEL	1000 Record Limit

- The above provides a view of the SPC file structure
- Each record type has a limit of 1000 records, meaning the maximum number of records within a single SPC file is 8,000 if all allowable record were utilised (FIL000018)
- Vast majority of records contained within a BAU SPC file are C38's (Class Change)
- SPC file max processing capacity is currently set at 26,000 within the UK Link IS Service Definition document

How to Determine SPC Limit?

- The method for defining the limit is not yet confirmed but will need to take into consideration the following:
 - Processing of SPC files for non class change activities (so not effected by MOD700)
 - Max number of SPC files that can be processed through AMT and SAP ISU
 - Customer forecasts for class changes currently being provided to Customer Advocates, 2 way communication regarding peak system times will also take place
- Please also note:
 - Files that pass AMT validation but result in breach of allocation shall be rejected back to the submitting Shipper, however the mechanism for this has not yet been agreed (Email or UK Link Communication (IX))
 - Likely that SPC max submissions within the UK Link IS Service Definition document will be increased, however this has not yet been agreed

Read Submission to Read Validation Overview



Scenario 1a: First Read Accepted (No Shipper Preferred Read)

Read Submission

Read Staging Area



UBR

Shipper Submits Batch of Reads

Step 1: D+10 check

Reads older than D+10 Rejected and set to "F", other reads are marked as "E"



Step 2: Read Selection

No Shipper preferred read present so latest read is selected for Read Validation step



Step 3: Read Validation

Selected read passes Read Validation and set to "U" for further processing into UKL, all other reads within the batch set to "A"



F = Rejected

E = Pending for Upload

U = Uploaded/Accepted

A = Assured

N = Not assured

Scenario 1b: Shipper Preferred Read Accepted

Read Submission

Read Staging Area



UBR

Shipper Submits Batch of Reads

Step 1: D+10 check

Reads older than D+10
Rejected and set to "F", other
reads are marked as "E"



Step 2: Read Selection

Shipper preferred read is selected for Read
Validation step



Step 3: Read Validation

Selected read passes Read Validation and
set to "U" for further processing into UKL, all
other reads within the batch set to "A"



F = Rejected
E = Pending for Upload
U = Uploaded/Accepted
A = Assured
N = Not assured

Scenario 2a: First Read Failed, Second Read Accepted

Read Submission

Read Staging Area



UBR

Shipper Submits Batch of Reads

Step 1: D+10 check

Reads older than D+10 Rejected and set to "F", other reads are marked as "E"



Step 2: Read Selection

No Shipper preferred read present so latest read is selected for Read Validation step



Step 3: Read Validation

Selected read fails Read Validation "F", next read passes and is set to "U" for further processing into UKL, all other reads within the batch set to "A"



F = Rejected
E = Pending for Upload
U = Uploaded/Accepted
A = Assured
N = Not assured

Scenario 2b: First Read Failed (Shipper Preferred), Second Read Accepted

Read
Submission

Read Staging
Area



Shipper
Submits
Batch of
Reads

Step 1: D+10 check

Reads older than D+10
Rejected and set to "F", other
reads are marked as "E"



Step 2: Read Selection

Shipper preferred read is selected for Read
Validation step



Step 3: Read Validation

Selected read fails Read Validation "F", next read
passes and is set to "U" for further processing into
UKL, all other reads within the batch set to "A"



F = Rejected
E = Pending for Upload
U = Uploaded/Accepted
A = Assured
N = Not assured

Scenario 3: Both Selected Reads Fail

Read Submission

Read Staging Area



Shipper Submits Batch of Reads

Step 1: D+10 check

Reads older than D+10 Rejected and set to "F", other reads are marked as "E"



Step 2: Read Selection

Shipper preferred read or latest read (where no preferred read is present/specified) is selected for Read Validation step



Step 3: Read Validation

Selected reads fail Read Validation and are set to "F", no further reads are considered for processing into UKL, all other reads within the batch set to "N"



F = Rejected
E = Pending for Upload
U = Uploaded/Accepted
A = Assured
N = Not assured

Scenario 4: Both Selected Reads Fail, Batch Re-Submitted, Read Accepted

Read Submission

Read Staging Area



UBR

Shipper Re-Submits Batch of Reads (D+3)

Step 1: D+10 check

Reads older than D+10 Rejected and set to "F", other reads are marked as "E"



Step 2: Read Selection

Shipper preferred read or latest read (where no preferred read is present/specified) is selected for Read Validation step



Step 3: Read Validation

Selected reads fail Read Validation and are set to "F", no further reads are considered for processing into UKL, all other reads within the batch set to "N"



F = Rejected
E = Pending for Upload
U = Uploaded/Accepted
A = Assured
N = Not assured

Shipper Transfer Scenario (Opening Read Provided)

Shipper Transfer
Effective Date

- Outgoing Shipper submits 7 day batch

- Incoming Shipper submits 7 day batch that includes a Read marked as Opening Reading
- Additional read within the Shipper batch accepted and uploaded
- Opening Reading gets processed as BAU (Non-MOD700) and is used as Transfer Read



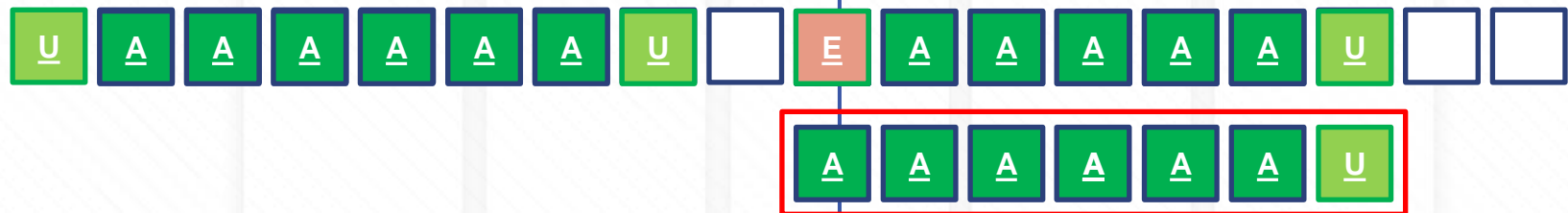
R = Replacement Read
F = Rejected
E = Pending for Upload
U = Uploaded/Accepted
A = Assured
N = Not assured

Shipper Transfer Scenario (No Opening Read Provided)

Shipper Transfer
Effective Date

- Outgoing Shipper submits 7 day batch

- Incoming Shipper submits 7 day batch that does not include a Read marked as Opening Reading
- Batch is held until CDSP estimates a read for the Transfer Date
- Batch is then processed and a read selected for processing into UK Link



R = Replacement Read
F = Rejected
E = Pending for Upload
U = Uploaded/Accepted
A = Assured
N = Not assured

Class Change Scenario

Class 4

Shipper Class Change

Class 3

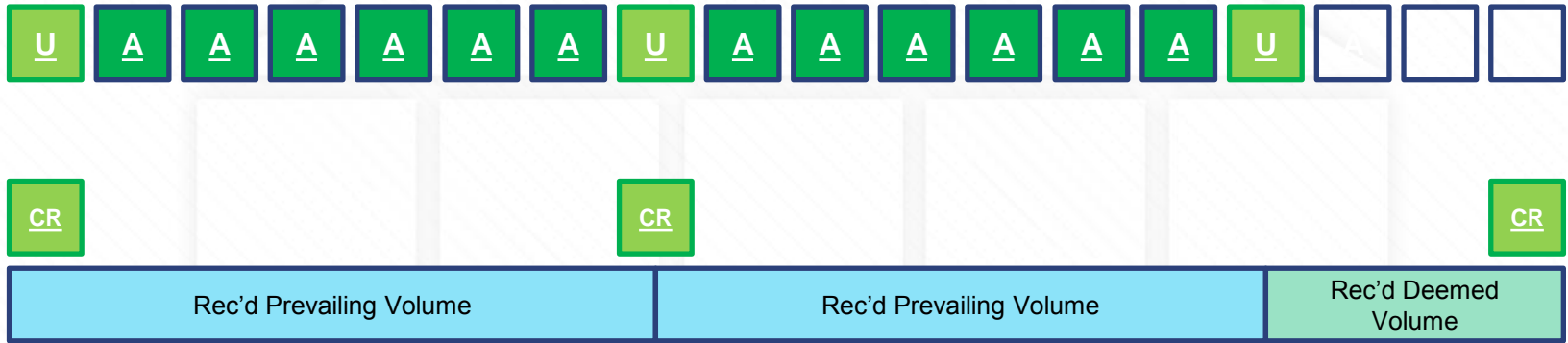
- Shipper submits a Class 4 reading via UMR File

- CDSP estimates a read for the date of Class Change Effective Date (as per BAU)
- Shipper submits 7 day batch and are processed within rules of MOD700 (estimate stands, read on the class change effective date set to assured)
- Shipper submits Replacement Read to replace the Opening Reading
- Replacement Read processed outside of MOD700 as priority



R = Replacement Read
F = Rejected
E = Pending for Upload
U = Uploaded/Accepted
A = Assured
N = Not assured

Check to Check Scenario



Check to Check Reconciliation will be based on the prevailing volume where a Cyclic Read has been received, however where the read which matches the Check read has been marked as Assured or None Assured then this period will be based on Allocated Volumes. This follows normal processing when a Cyclic Read has not been provided for the same date as the Check Read (Check Reads can be submitted up to M+10)

Once a Check Read has been processed, the Deemed profile is set and cannot be amended and this may not follow actual offtake for the days covered

U = Uploaded/Accepted
A = Assured
CR = Check Read