

JULY 23 - GEMSERV

PARR DASHBOARDS

18TH JULY 2023



Gemserv

MAKING THINGS THAT MATTER WORK BETTER

2A.1 ESTIMATED & CHECK READS - PRODUCT CLASSES 1 & 2

Report measures the average percentage across all Shippers portfolio in each market, where estimated reads were provided. Count of each Shippers portfolio where check reads were not provided

PC1

Industry movement:

↓ 0.03% - Monthly change

↑ 2.58% - Annual change

Monthly changes:

↑ 3.51% Marigot

↓ 3.33% Ankara

↑ 15.00% Lisbon

↓ 9.65% Tehran

↑ 15.38% Khartoum

↓ 15.00% Abuja

PC2

Industry movement:

↑ 0.56% - Monthly change

↑ 1.36% - Annual change

Monthly changes:

↑ 5.95% Brazzaville

↓ 7.02% Papeete

↑ 6.45% Luanda

↓ 10.19% Manama

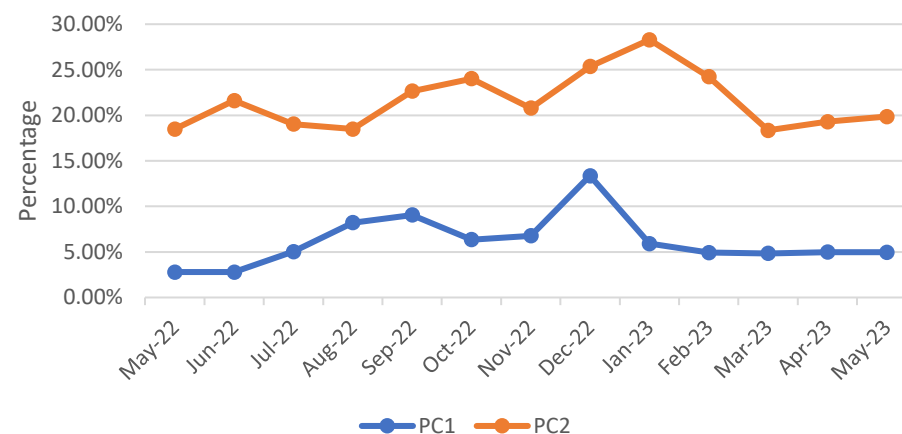
↑ 22.47% Lisbon

↓ 11.68% Abuja

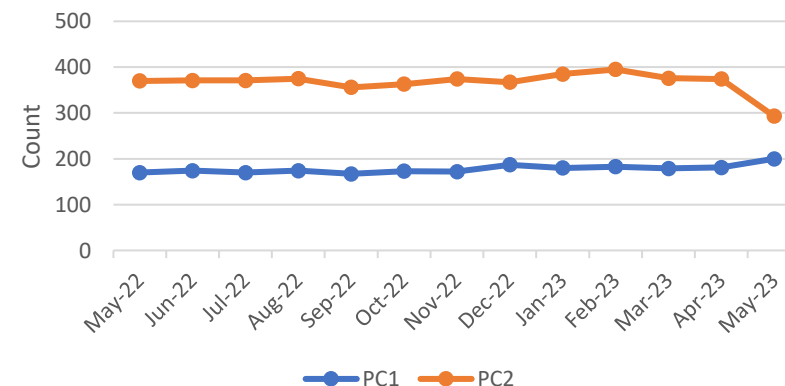
Observations:

- Shipper Rome has made notable progress in reducing its PC2 check read volumes of which has resulted in the overall volume of outstanding check reads for PC2 reducing considerably
- An RFI letter was issued to five Shipper parties in respect of PC2 read performance, the purpose of the RFI was to better understand challenges faced in meeting PC2 UNC read requirements. PAFA is expecting to be able to provide an overview of responses received at the August PAC meeting (15/08/2023)
- A change to existing DDP Check read report logic was delivered by Correla on the 21/06/2023, ensuring the entity 'Last Check Read Date' was the applicable value upon which required check reads is determined and subsequently measured
- Certain Shipper parties with SPs within PC3 and PC4 categories have seen a notable change (increase or decrease) in check read volumes as a result of new report logic

2A.1 Percentage of Estimated Reads for PC1 & PC2

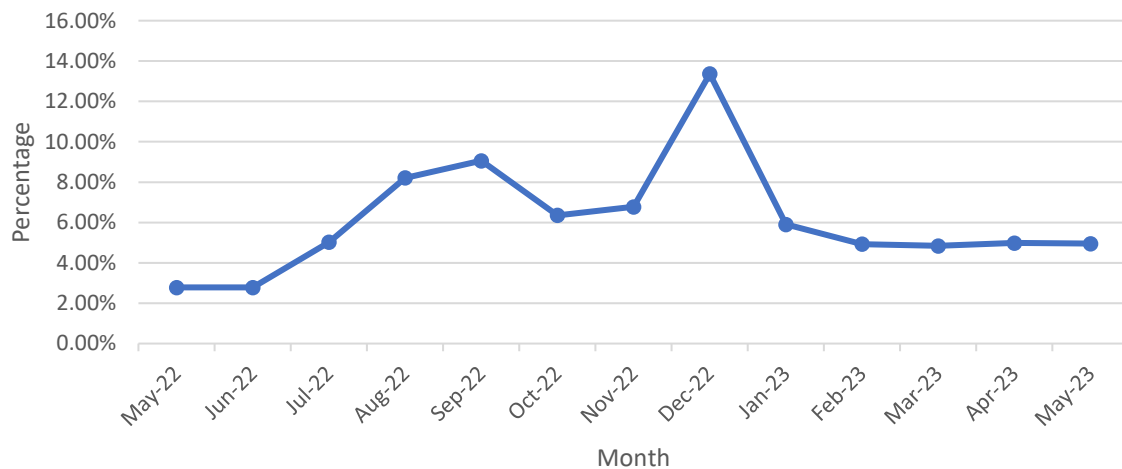


2A.1 Count of Check Reads not completed for PC1 and PC2

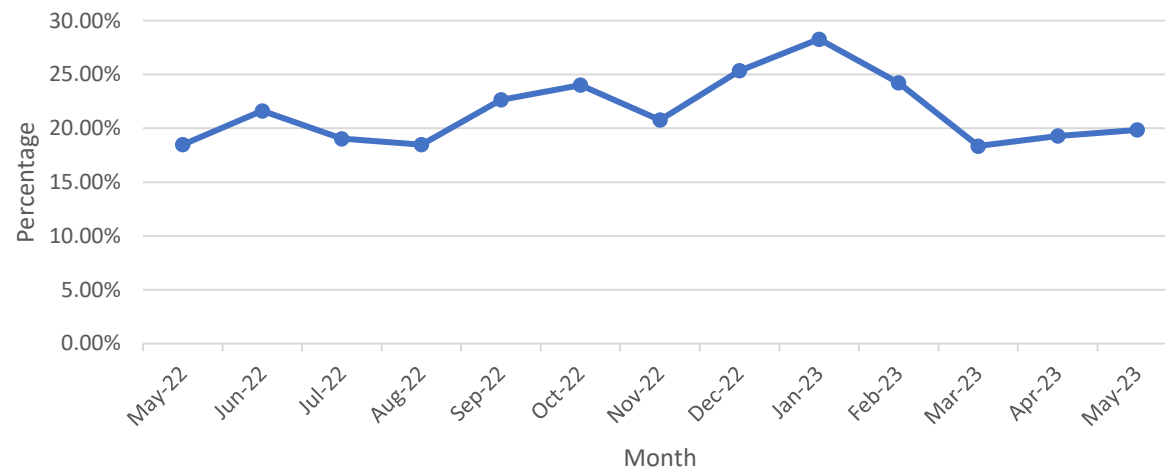


2A.1 ESTIMATED & CHECK READS - PRODUCT CLASSES 1 & 2

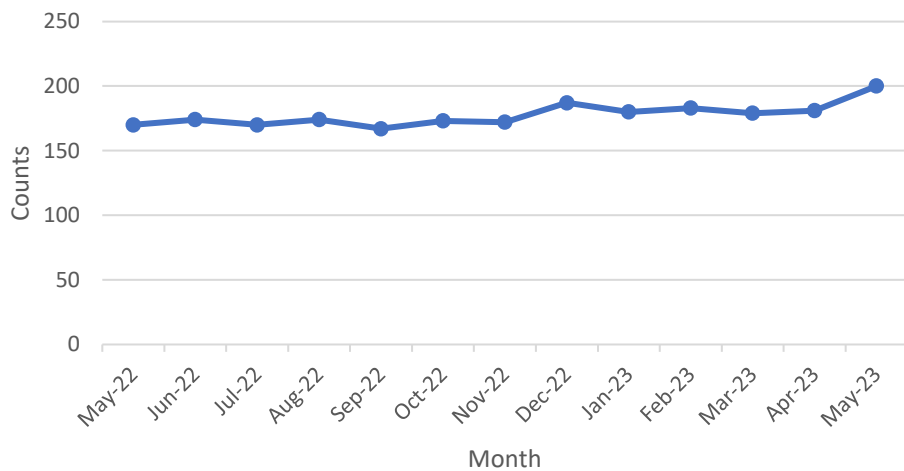
2A.1 PC1 Estimated Read Totals



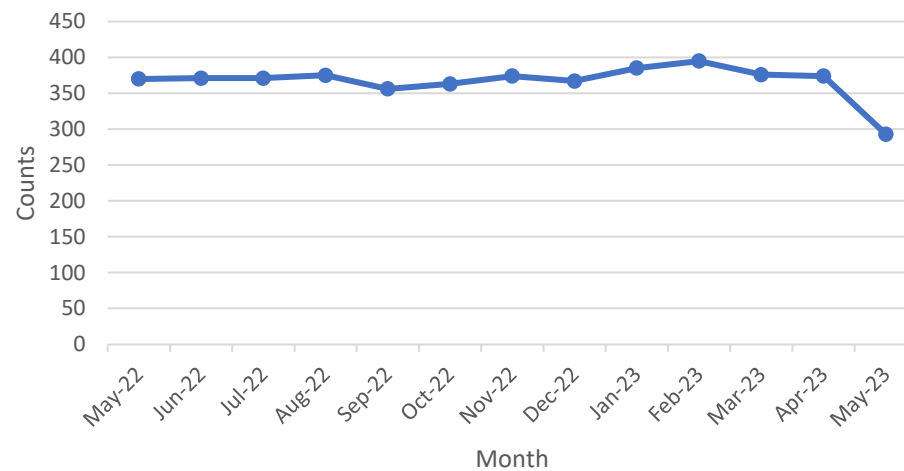
2A.1 PC2 Estimated Read Totals



2A.1 PC1 Check Reads Total



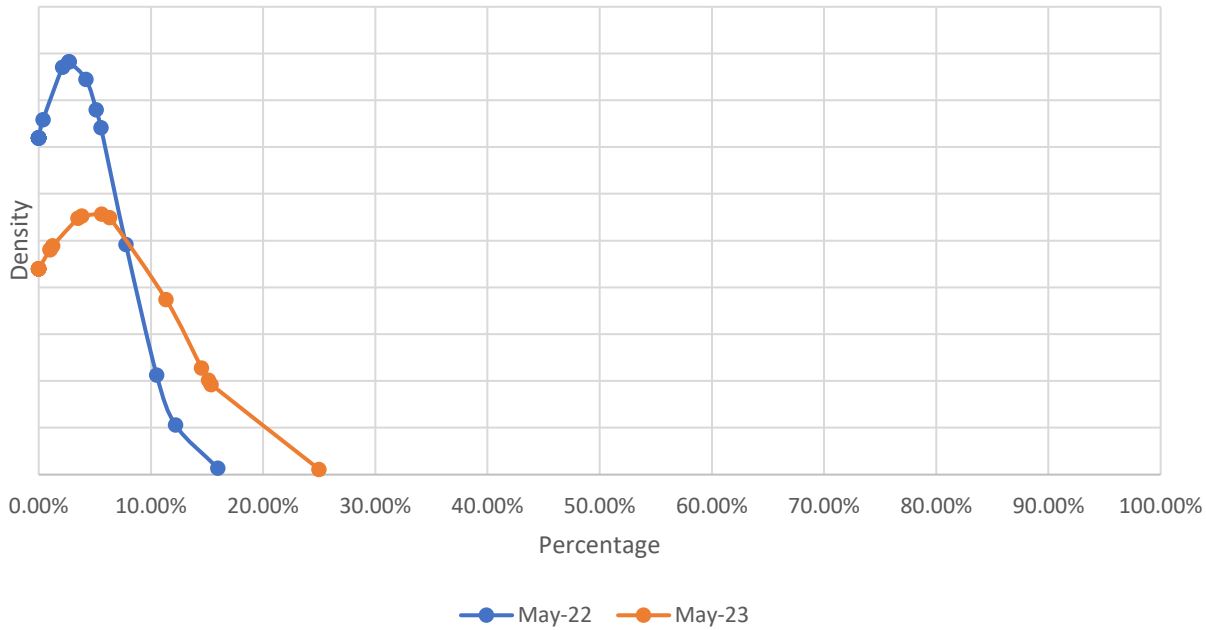
2A.1 PC2 Check Read Totals



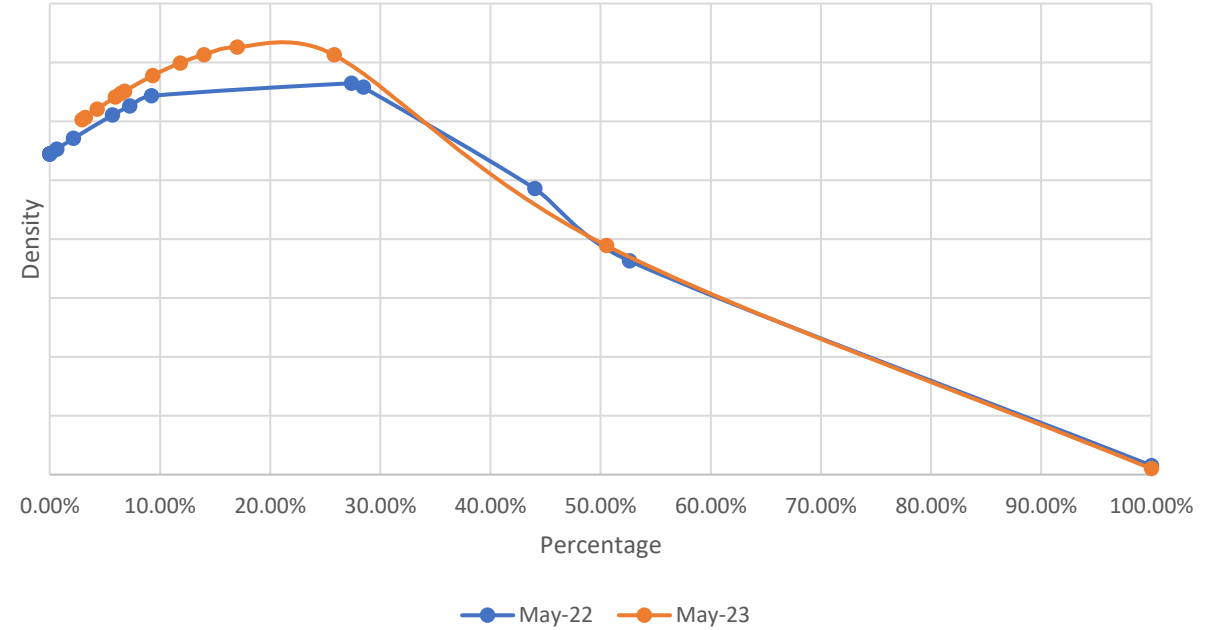
2A.1 ESTIMATED & CHECK READS - PRODUCT CLASSES 1 & 2



2A.1- 12 Month comparison (Average of PC1 Estimated Reads)



2A.1- 12 month comparison (Average of PC2 Estimated Reads)



2A.2 – NO METER RECORDED



Report measures the percentage of each Shipper's portfolio where no meter is recorded in the Supply Point (SP) Register

PC1

0% for all Shippers

PC2

Highest Shippers:
Tehran **100%**

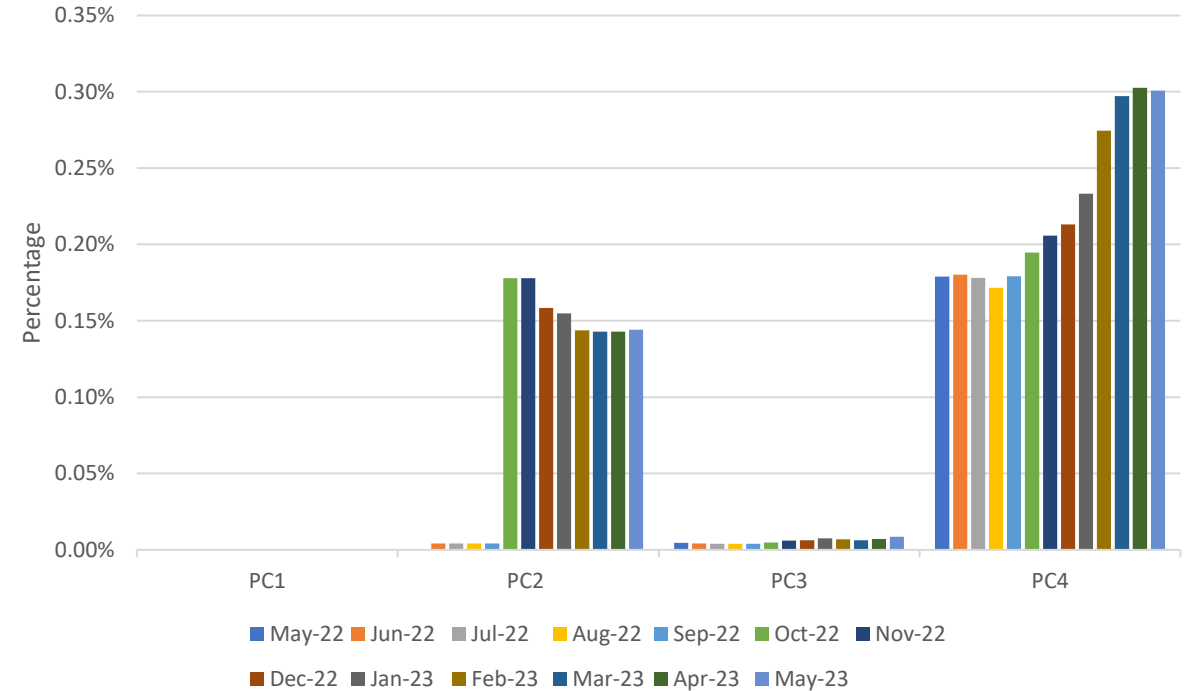
PC3

Highest Shippers:
Nuuk **0.02%**
Taipei **0.02%**
Rome **0.07%**
Mogadishu **3.72%**

PC4

Highest Shippers:
Maputo **12.50%**
Reykjavik **14.29%**
Luxembourg **42.11%**

2A.2 Percentage of No Meter recorded by Product Class



Observations:

- The percentage values within the PC4 category has gradually increased over the period May 2022 – May 2023 this is also reflected in the volume of SPs with no meter recorded in this market
- PC4 (by volume of SPs) count is now 61,328 SPs across all Shipper portfolios down slightly from 61,414 (April '23)
- Shipper Tehran has experienced problems submitting a voluntary withdrawal to remove the one affected PC2 SP from its portfolio, the Shipper is however aware of the root cause of the problem and is looking to resolve accordingly

2A.3 NO METER RECORDED AND DATA FLOWS RECEIVED



Report measures the percentage of each Shipper's portfolio where no meter is recorded in the Supply Point Register and data flows received

PC1

0% for all Shippers

PC2

0% for all Shippers

PC3

Highest Shippers:

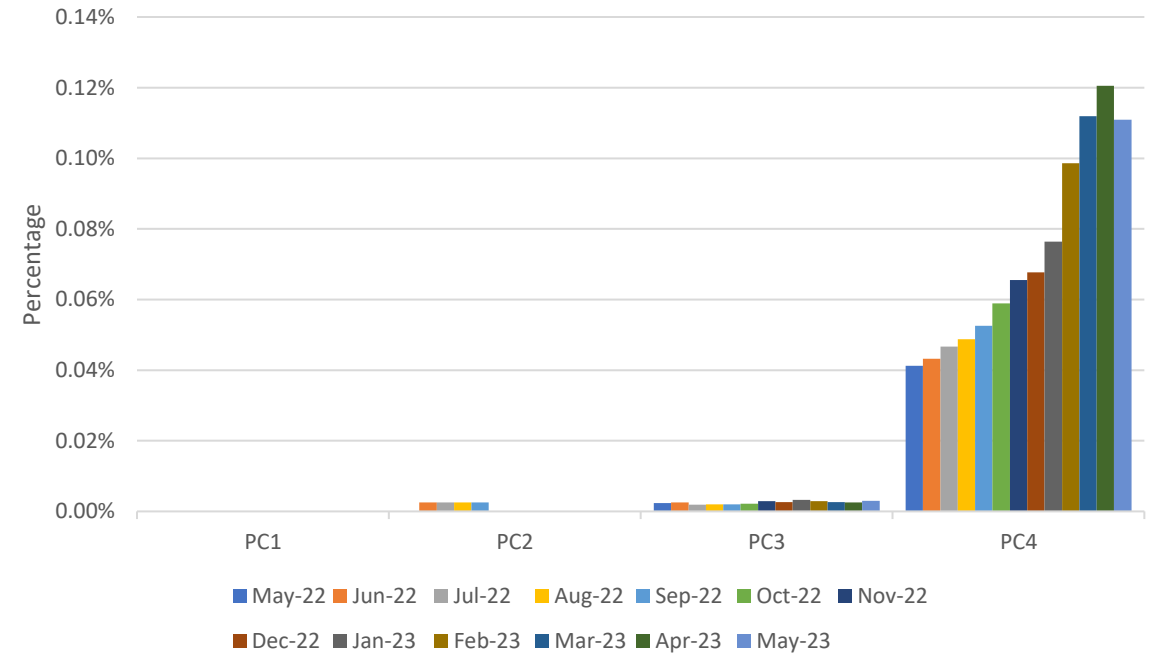
6 Shippers 0.01%
Mogadishu 0.60%

PC4

Highest Shippers:

Accra 0.52%
Roseau 0.59%
Thimphu 0.68%

2A.3 No Meter recorded by Product Class and data flows received



Observations:

- A reduction in volume has been observed this month for the first time in the reporting period (May '22 to May '23) this aligns with ongoing activity by the CDSP engaging with Shipper parties to reduce the volume of instances by providing guidance as to how to remedy the issue i.e., via submission of required RGMA file to install meter asset

2A.4 - SHIPPER TRANSFER READ PERFORMANCE

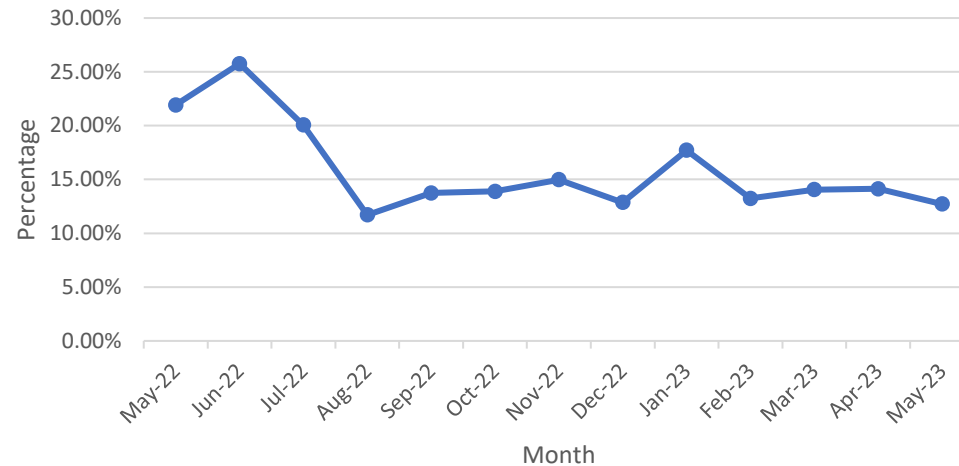


Report measures the percentage of Shipper portfolio of opening meter readings provided by the incoming Shipper passing read validation following transfer of ownership

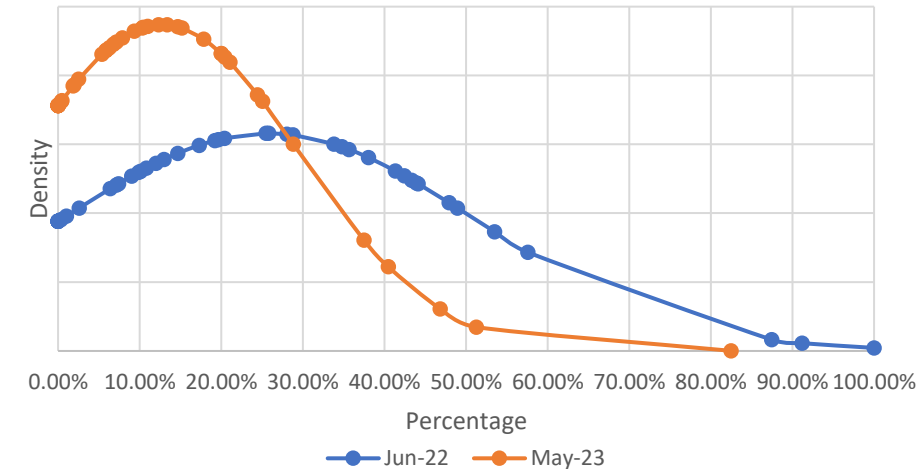
Industry movement:

- ↓ 1.42% - Monthly change
- ↓ 9.19% - Annual change

2A.4 Percentage of opening meter reads provided by industry total



2A.4- 12 Month Comparison of Shipper Transfer Read Performance



Observations:

- Shipper Transfer Read Performance (measured across all PC categories) of which entails the provision of an opening meter reading by the incoming Shipper has remained under 30% for the reporting period
- PAFA is discussing Shipper Transfer Read Performance reporting statistics with the CDSP to ensure that data received is as accurate as possible

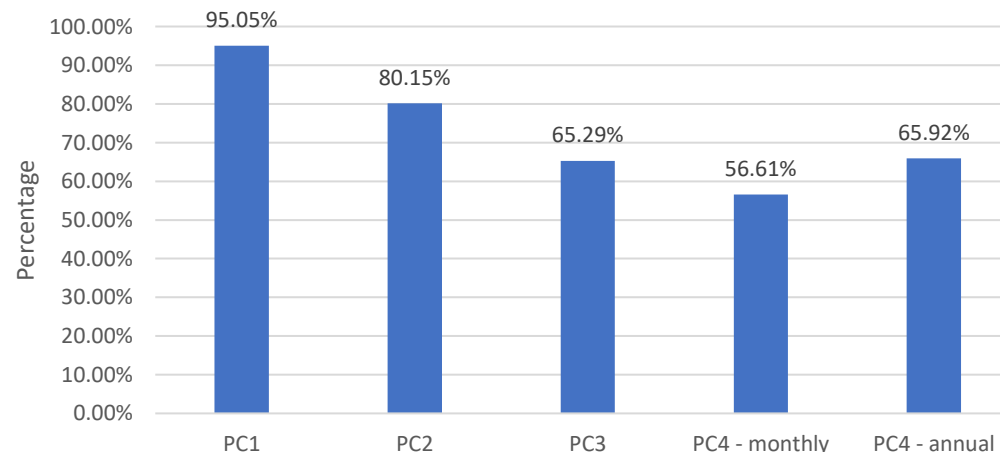
2A.5 - READ PERFORMANCE



Report measures the average percentage of Shipper portfolio submitting reads in May 2023.

PC4 Monthly and Annually read measures the average percentage of Shipper portfolio submitting reads in April 2023.

2A.5 Industry average percentage of Product Class read submissions



Poorest performing Shippers:

PC1

75.00% Lisbon
84.62% Khartoum
84.85% Valletta

PC2

0% Tehran
49.46% Abuja
74.19% Lisbon

PC3

0% Castries
0% Hamilton
0% Philipsburg
0% Sarajevo
0% Yerevan
0% Zagreb
37.63% Valletta
38.43% Nuuk
46.15% Mogadishu

PC4 (Monthly)

0% Ashgabat
0% Berlin
0% Gibraltar
0% Luxembourg
0% Maputo
0% Reykjavik
0% Vienna

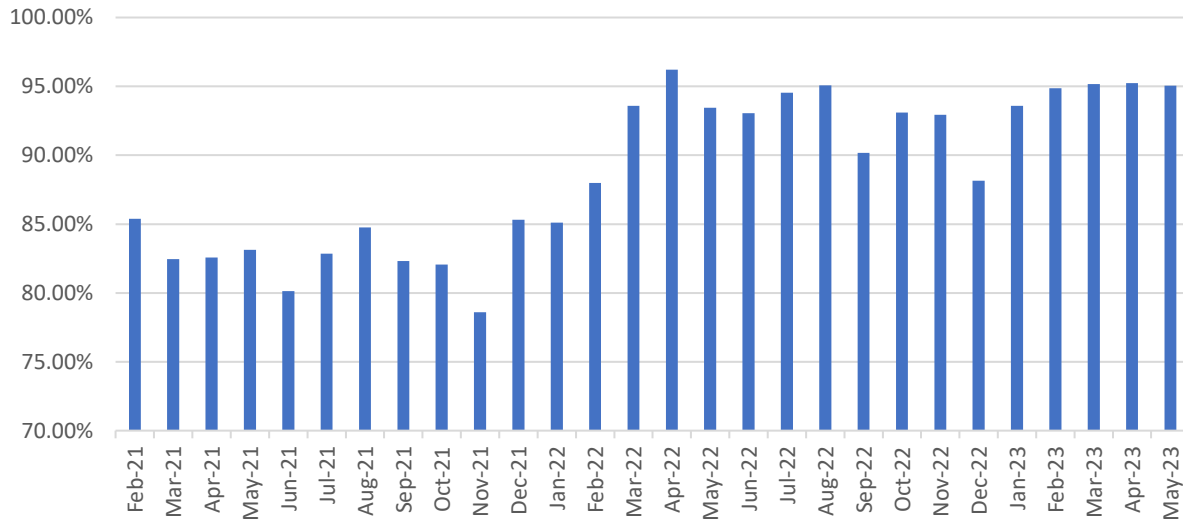
PC4 (Annual)

0% Bamako
0% Berlin
0% Djibouti
0% Gibraltar
0% Luxembourg
0% Majuro
0% Reykjavik
0% Sarajevo
0% Tallinn

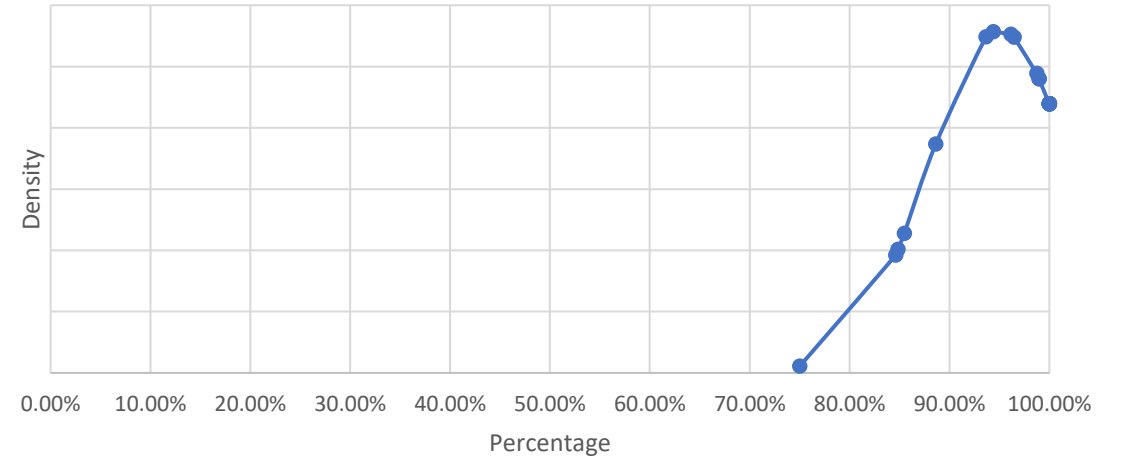
2A.5 - READ PERFORMANCE (PC1)



Read Performance - PC1



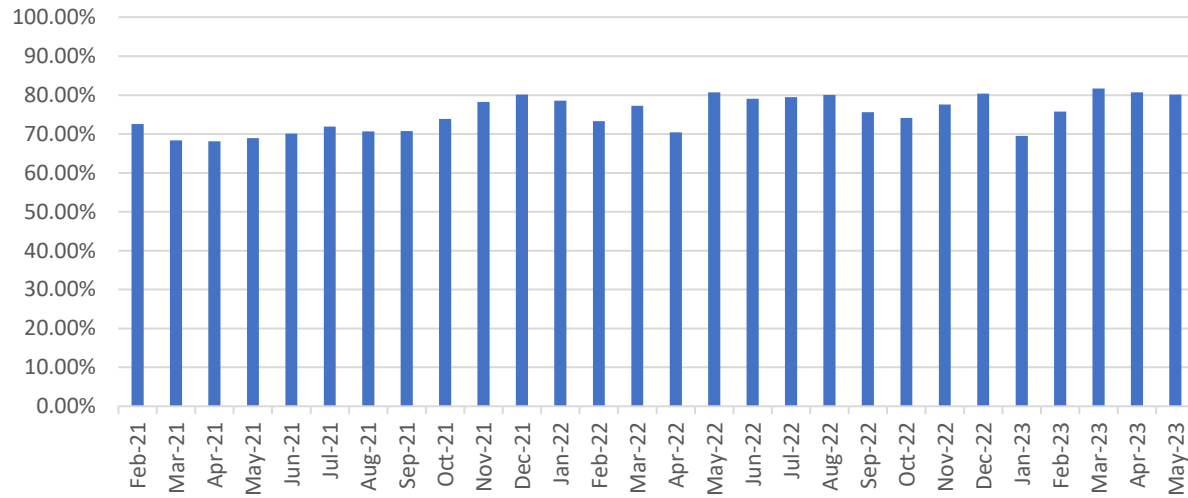
2A.5 Distribution of percentage of PC1 sites providing meter reads



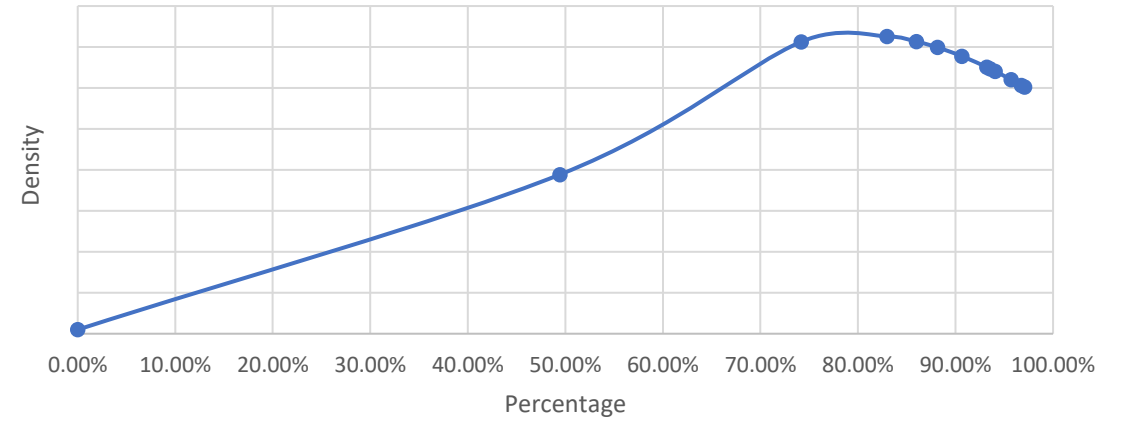
2A.5 - READ PERFORMANCE (PC2)



Read Performance - PC2



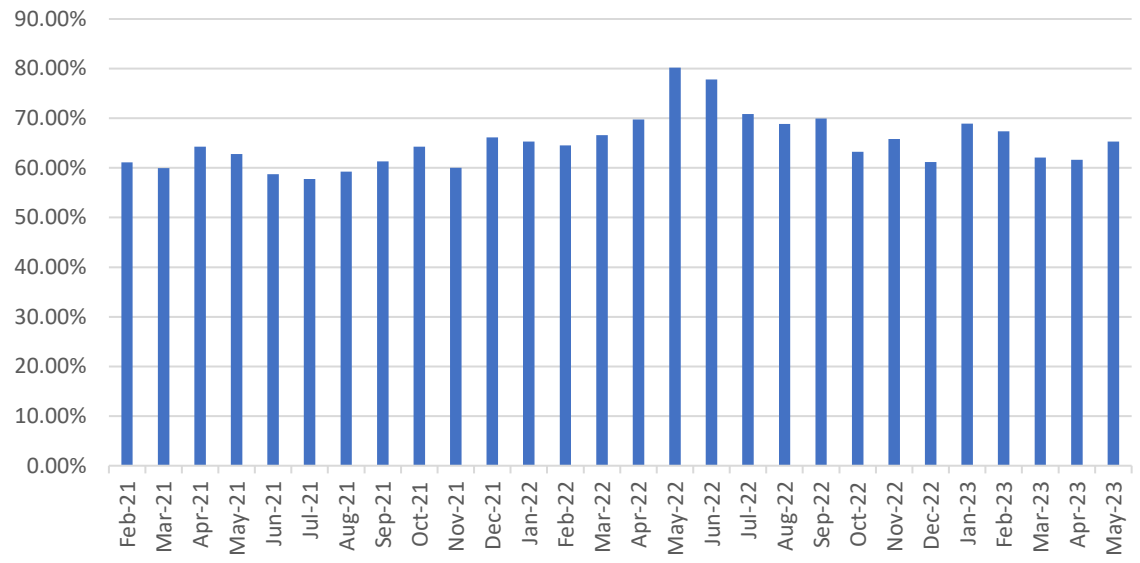
2A.5 Distribution of percentage of PC2 sites providing meter reads



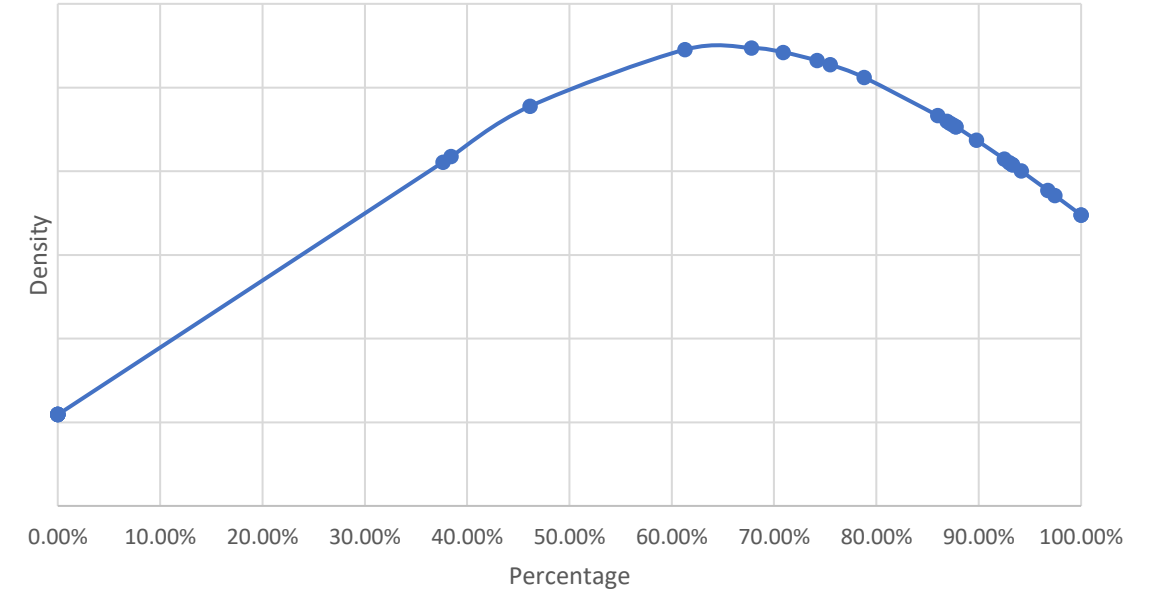
2A.5 - READ PERFORMANCE (PC3)



Read Performance - PC3



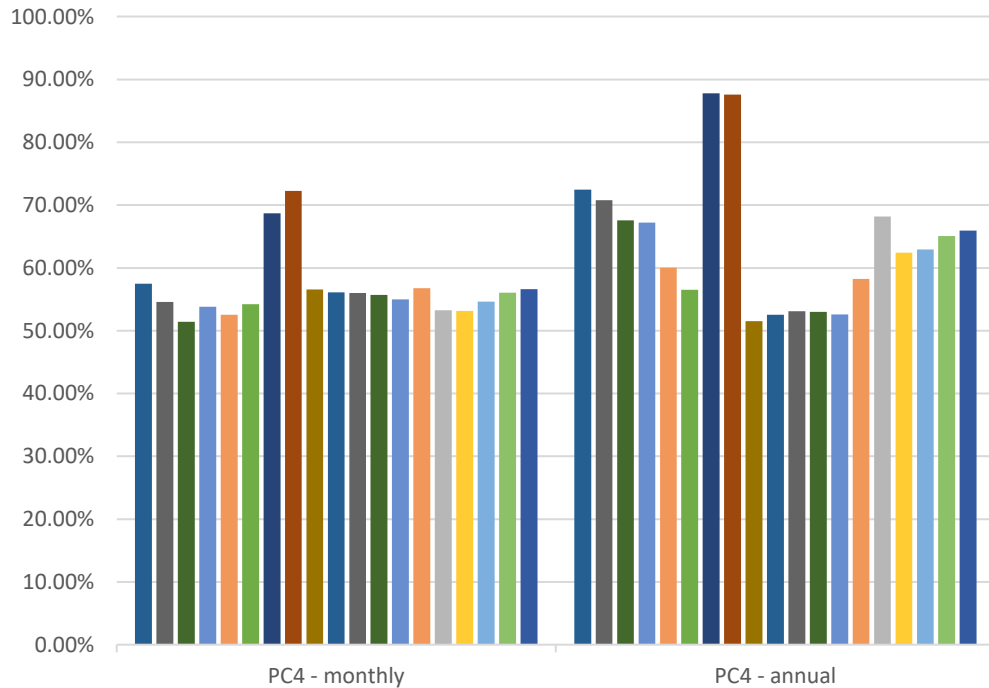
2A.5 Distribution of percentage of PC3 sites providing meter reads



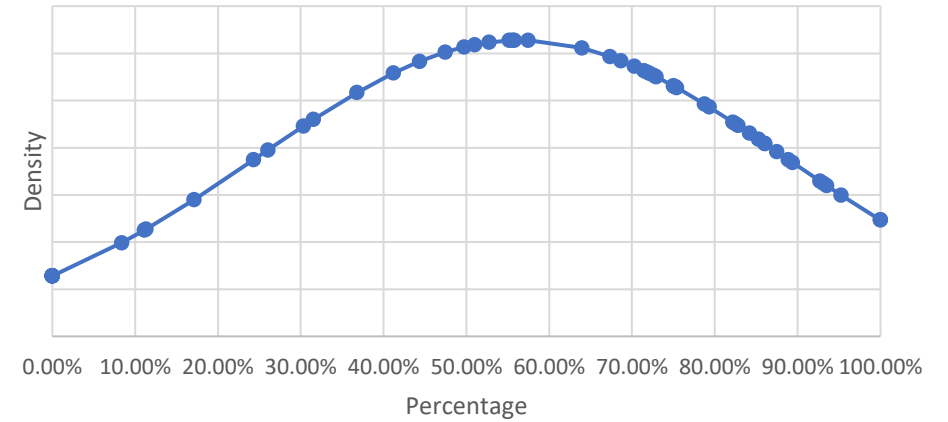
2A.5 - READ PERFORMANCE (PC4)



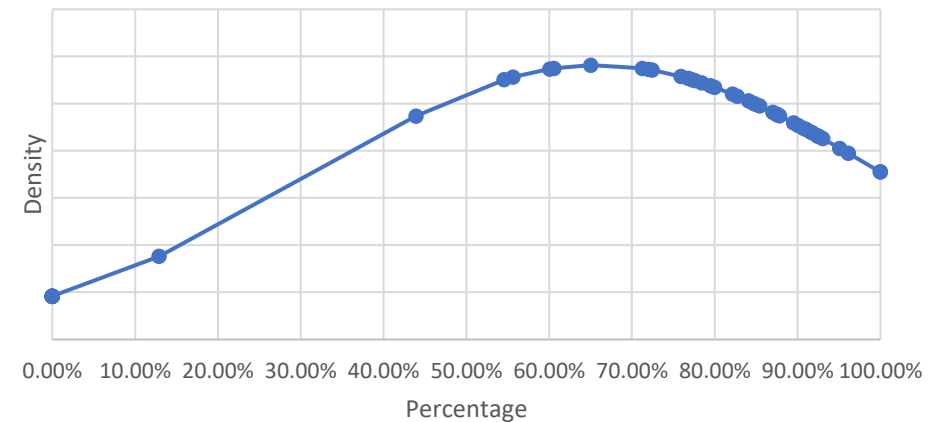
Read Performance - PC4



2A.5 Distribution of read performance for PC4 Monthly sites



2A.5 Distribution of percentage of PC4 Annual sites providing meter reads



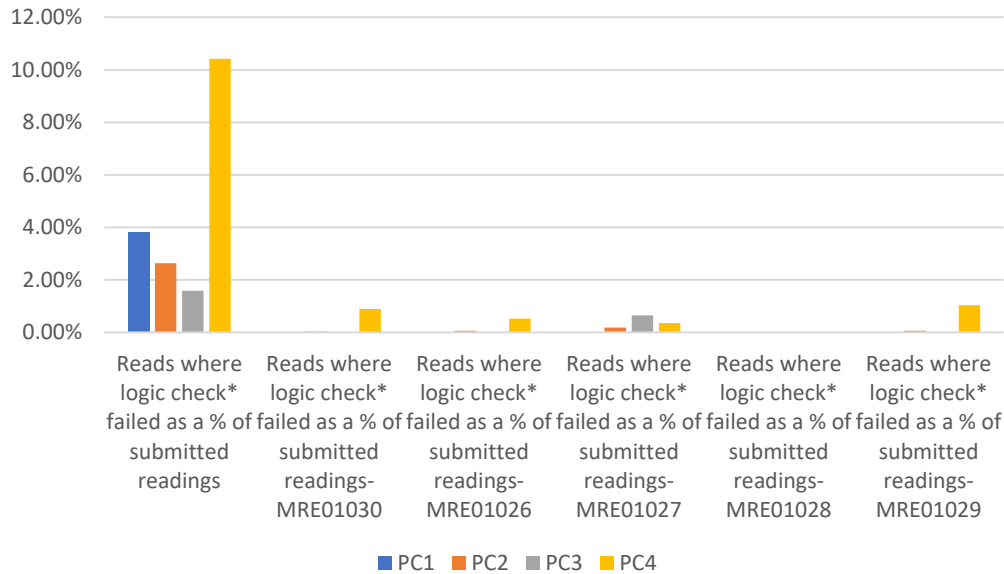
- Oct-21
- Nov-21
- Dec-21
- Jan-22
- Feb-22
- Mar-22
- Apr-22
- May-22
- Jun-22
- Jul-22
- Aug-22
- Sep-22
- Oct-22
- Nov-22
- Dec-22
- Jan-23
- Feb-23
- Mar-23
- Apr-23



2A.6 METER READ VALIDITY MONITORING

Report measures the percentage of Shipper portfolio where readings submitted failed read validation

2A.6 Industry total percentage of meter read validity failure by Product Class - May 2023



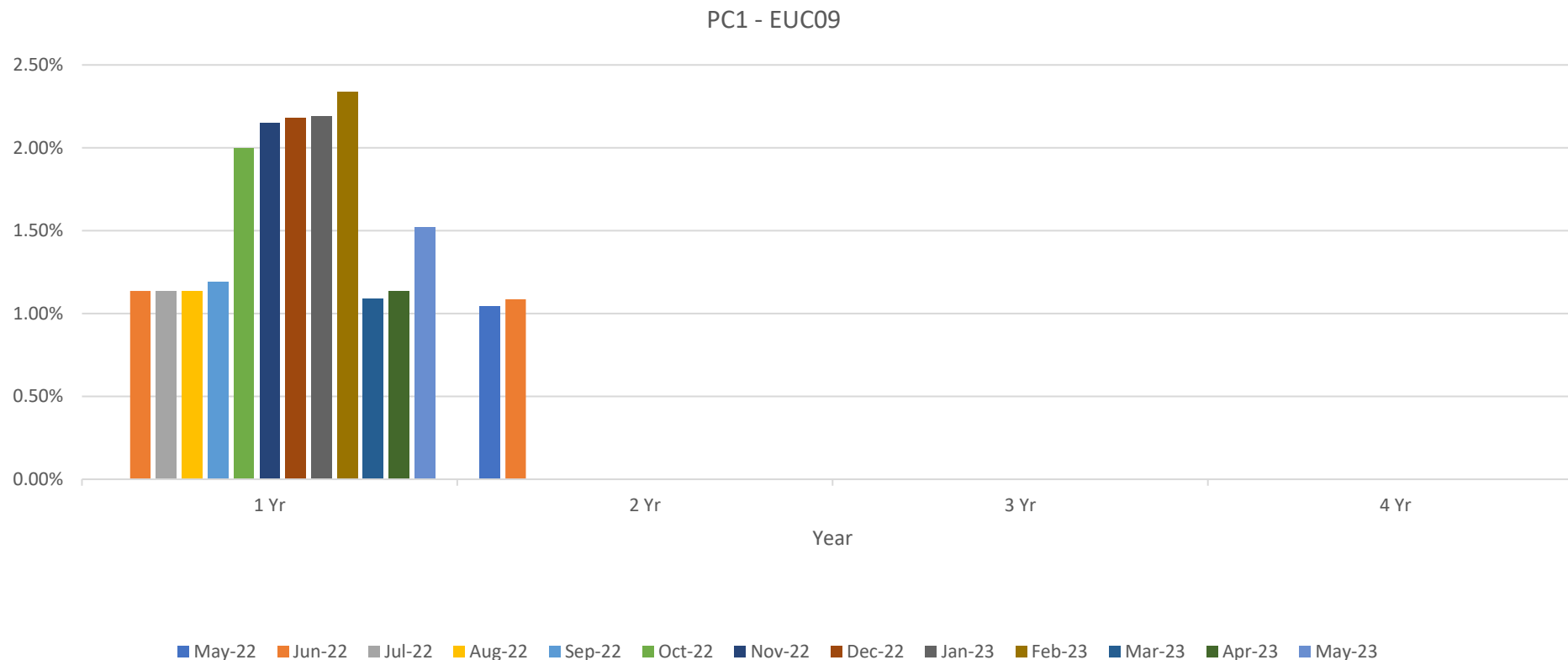
- RFI requests are to be issued to 12 Shipper parties whereby high levels of meter read validity volumes (>20%) alongside associated poor meter reading performance levels (<70%) have been identified in PC3 & PC4 categories

Product Class	Reads where logic check* failed as a % of submitted readings	MRE01030	MRE01026	MRE01027	MRE01028	MRE01029
1	Lisbon – 20.00%	N/A	N/A	N/A	N/A	N/A
2	Papeete – 29.49%	Lisbon – 2.04%	Philipsburg – 0.21%	Thimphu – 2.71%		Philipsburg – 0.37%
3	Accra – 100%	Valletta – 31.33%	Gitega – 0.01%	Monaco – 8.09%		Monaco – 19.13%
4	Monaco – 80.00%	Khartoum – 12.50%	Luanda – 4.27%	Philipsburg – 3.00%		Belmopan – 23.63%

2A.7 NO READS RECEIVED FOR 1, 2, 3 OR 4 YEARS - PRODUCT CLASS 1



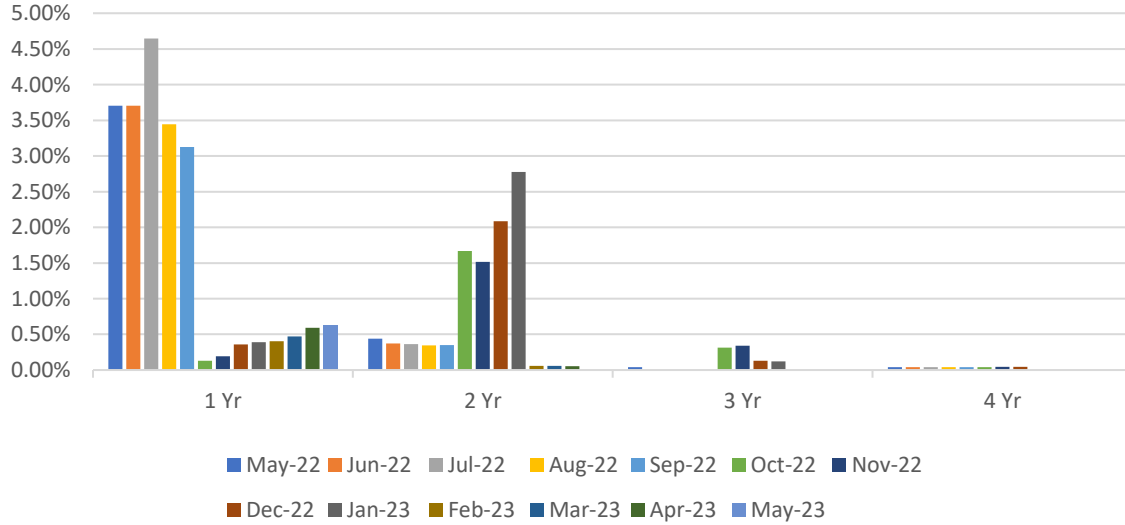
All reports measures the percentage of Shipper portfolio in the specified AQ band without a meter reading for the specified period



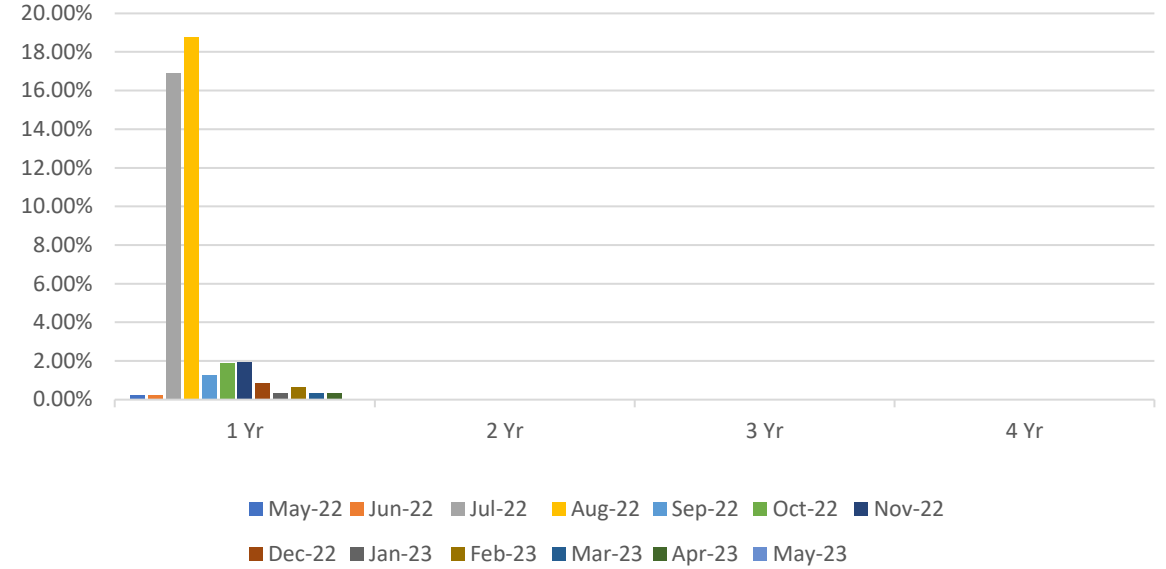
2A.7 NO READS RECEIVED FOR 1, 2, 3 OR 4 YEARS - PRODUCT CLASS 3



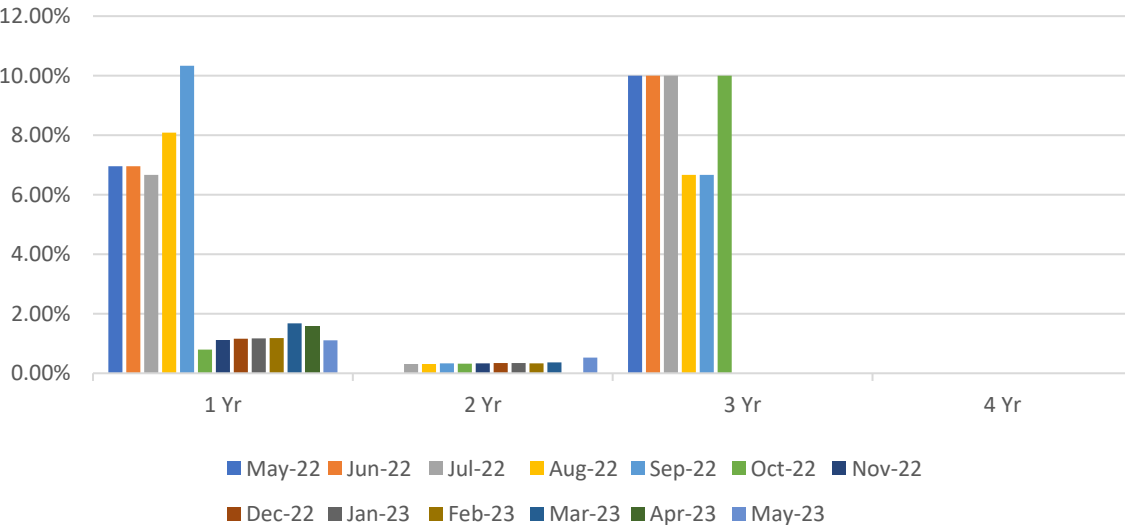
PC3 - EUC05



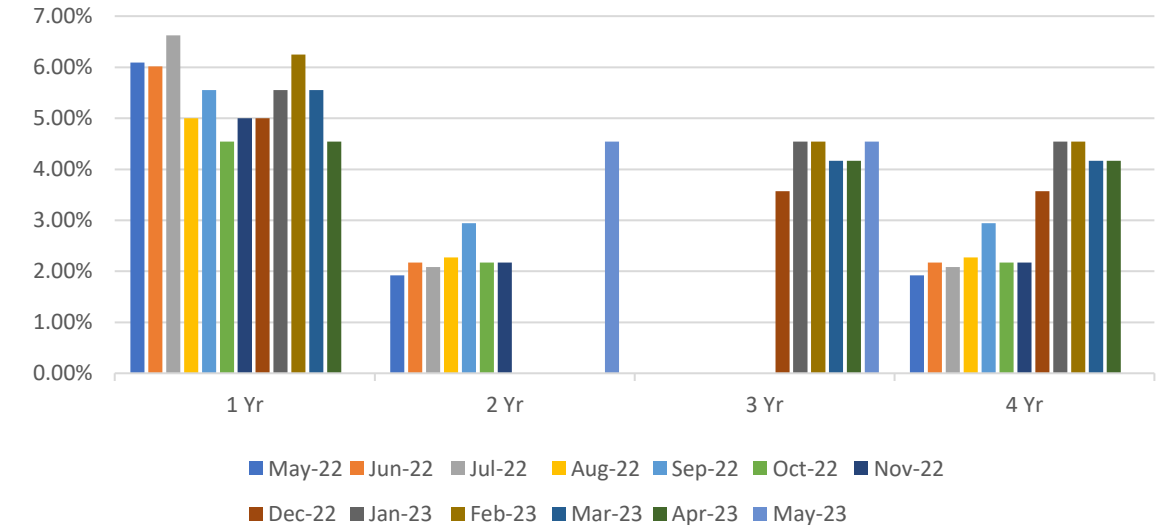
PC3 - EUC06



PC3 - EUC07



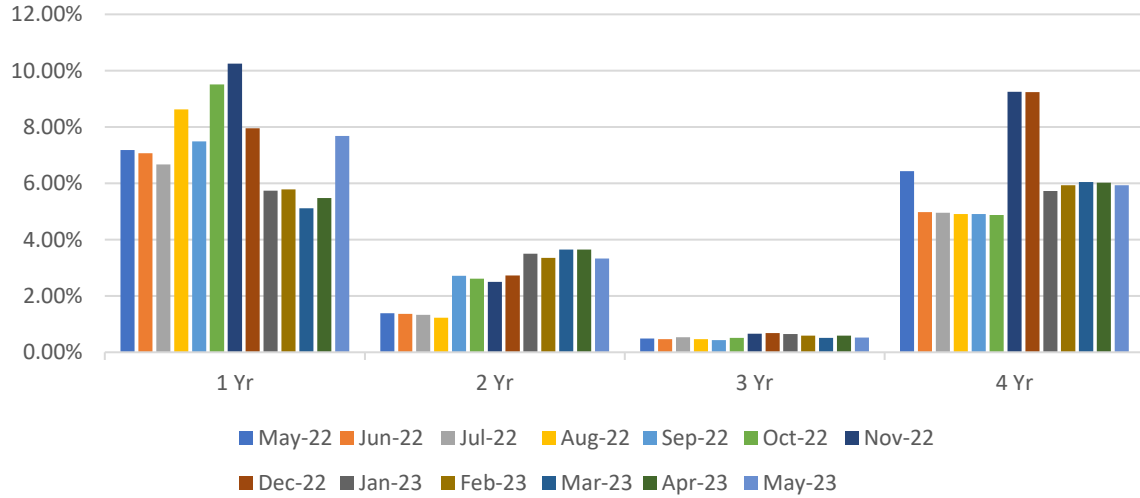
PC3 - EUC08



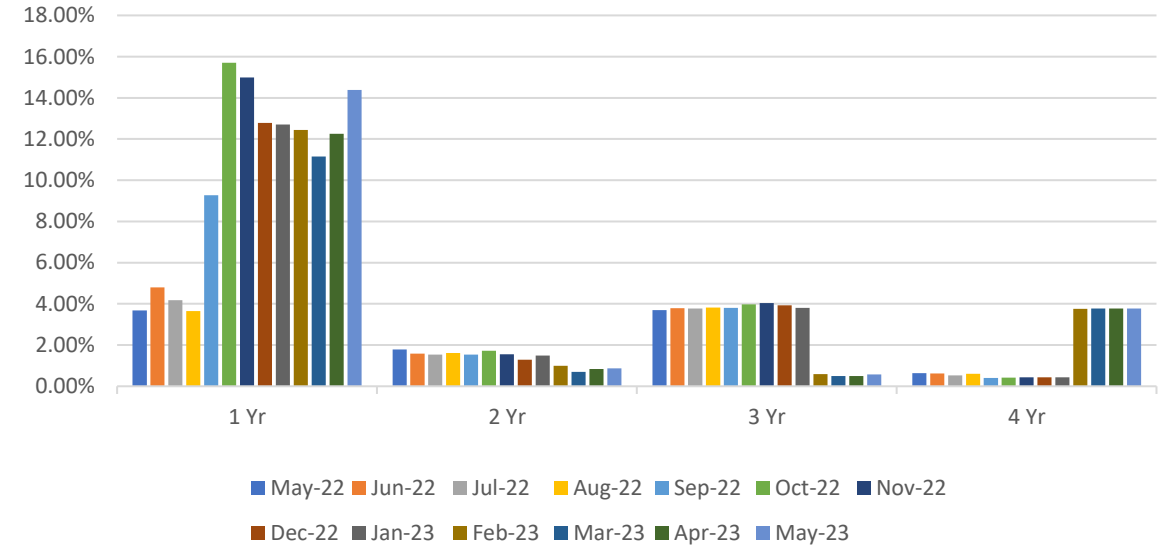
2A.7 NO READS RECEIVED FOR 1, 2, 3 OR 4 YEARS - PRODUCT CLASS 4



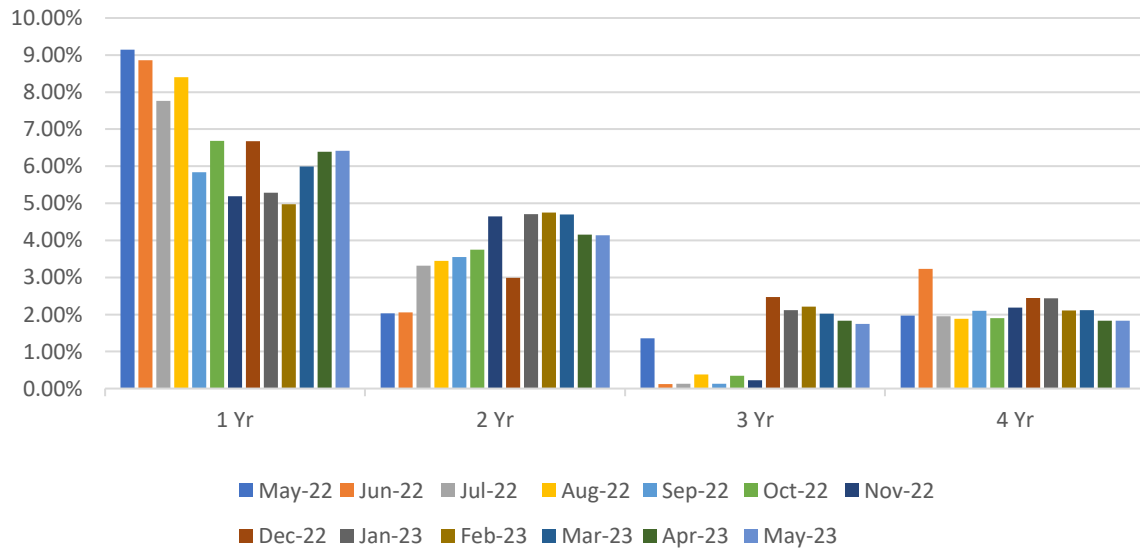
PC4 - EUC05



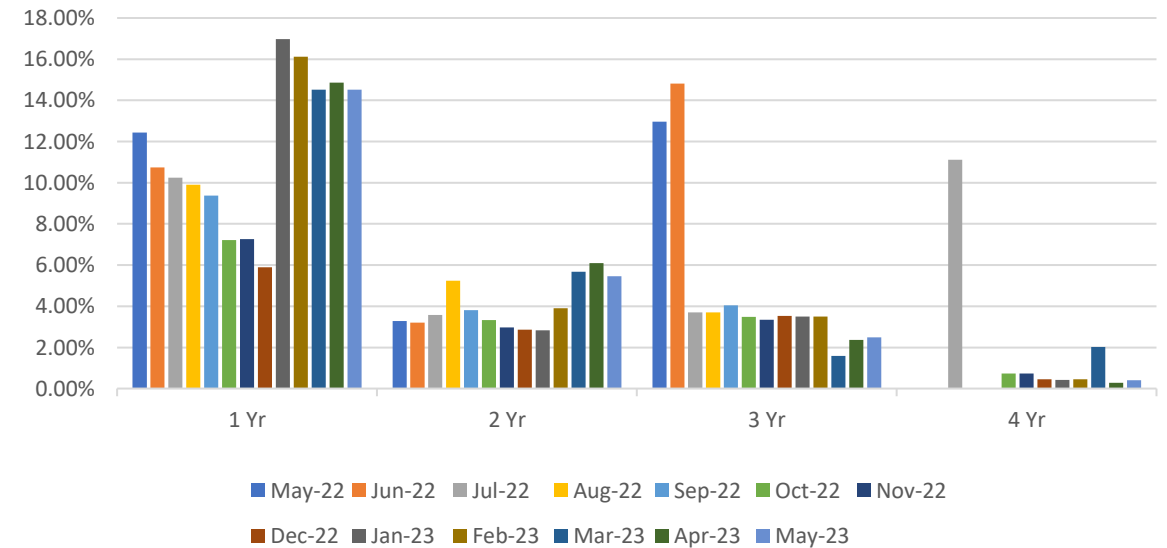
PC4 - EUC06



PC4 - EUC07



PC4 - EUC08





2A.8 AQ CORRECTION BY REASON CODE

Report measures the count of Shipper Portfolio of MPRNs where successful AQ Correction(s) has been submitted

Changes in total number of AQ corrections used

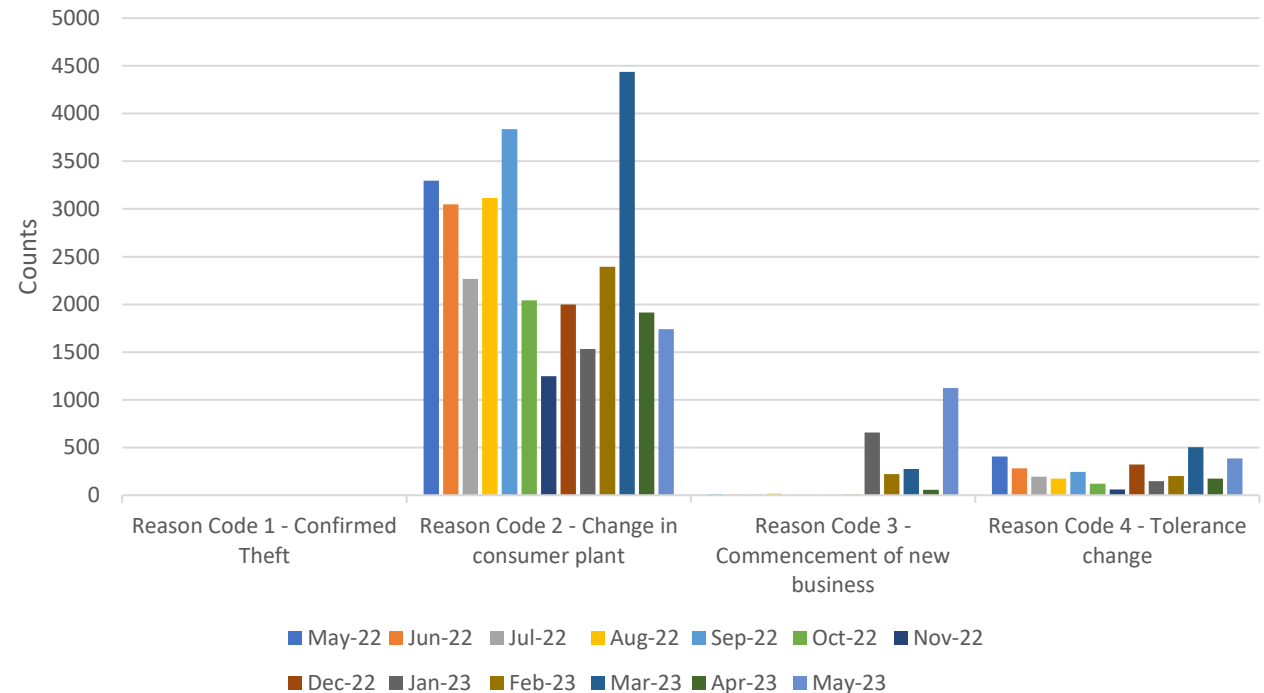
Reason Code 01- Confirmed Theft
No Monthly or Annual Change

Reason Code 02- Change in Consumer Plant
↓ 173 Monthly Change
↓ 1,556 Annual Change

Reason Code 03- Commencement of New Business Activity
↑ 1,064 Monthly Change
↑ 1,111 Annual Change

Reason Code 04- Tolerance Change
↑ 211 Monthly Change
↓ 19 Annual Change

2A.8 Count of AQ Corrections used by reason code



Observations:

- A spike in AQ Correction submissions (Reason Code '03') was observed in May 2023, this was due to over 1k submissions by the Shipper Brazzaville
- There have been no Theft of Gas (Reason Code '01') instances since August 2021, expectation is that a small volume of cases would have been raised within this period
- PAFA will continue to closely monitor this subject matter with due consideration to the agreed implementation of 'Modification 0816S – Updates to AQ Correction Processes' (implementation date TBC)

2A.9 STANDARD CF AQ > 732,000 KWH



Report measures the count of sites with an AQ >732,000 kWh whereby a standard correction factor (1.02264) is associated with the relevant SP yet an individual (bespoke) correction factor is required

EUC04

↑ 27 Monthly Change
↓ 243 Annual Change

EUC07

↓ 1 Monthly Change
↓ 4 Annual Change

EUC05

↑ 10 Monthly Change
↑ 41 Annual Change

EUC08

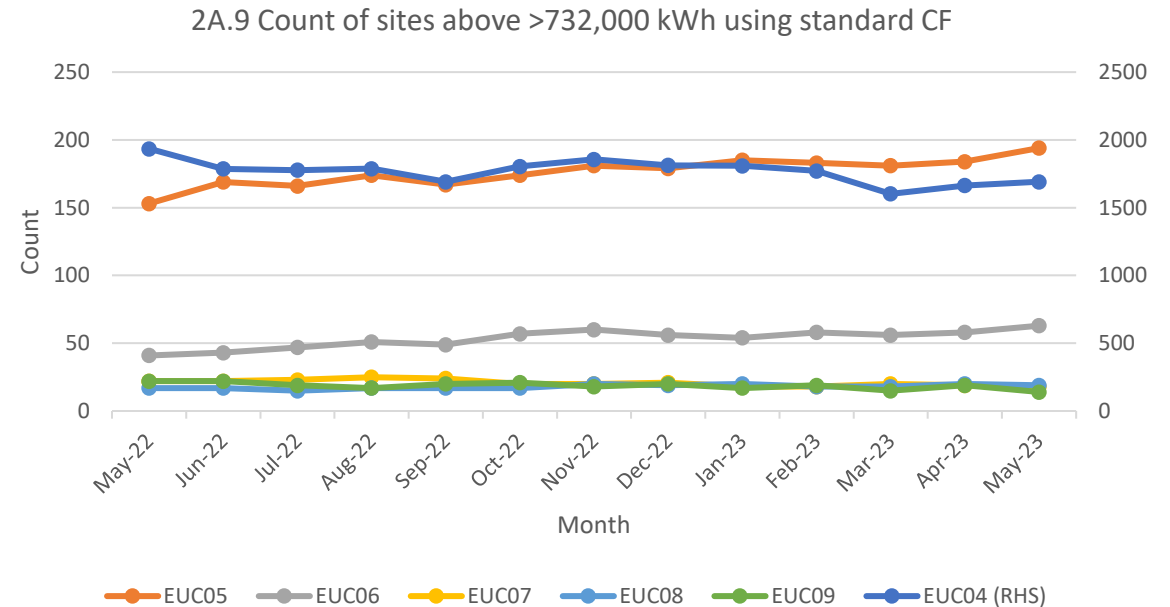
↓ 1 Monthly Change
↑ 2 Annual Change

EUC06

↑ 5 Monthly Change
↑ 22 Annual Change

EUC09

↓ 5 Monthly Change
↓ 8 Annual Change



Observations:

- Volumes within EUC04 have generally reduced within the last 6 calendar months however remain at circa 1,750 SPs across this period
- PAFA is continuing to liaise with the CDSP to further understand the impact of UNC681S. PAFA is seeking to identify instances whereby a Shipper has yet to submit a bespoke CF and the CDSP is unable to automatically update the CF as no history of a non-standard CF is available to utilise

2A.10 REPLACED METER READ



Report measures the count of meter reading replacements which results in reconciliation adjustments

EUC01

↑ 3,942 Monthly Change
↓ 21,858 Annual Change

EUC02

↑ 221 Monthly Change
↑ 324 Annual Change

EUC03

↑ 67 Monthly Change
↑ 72 Annual Change

EUC04

↑ 28 Monthly Change
↑ 36 Annual Change

EUC05

↑ 3 Monthly Change
↑ 3 Annual Change

EUC06

↓ 1 Monthly Change
↑ 4 Annual Change

EUC07

No Monthly Change
↑ 7 Annual Change

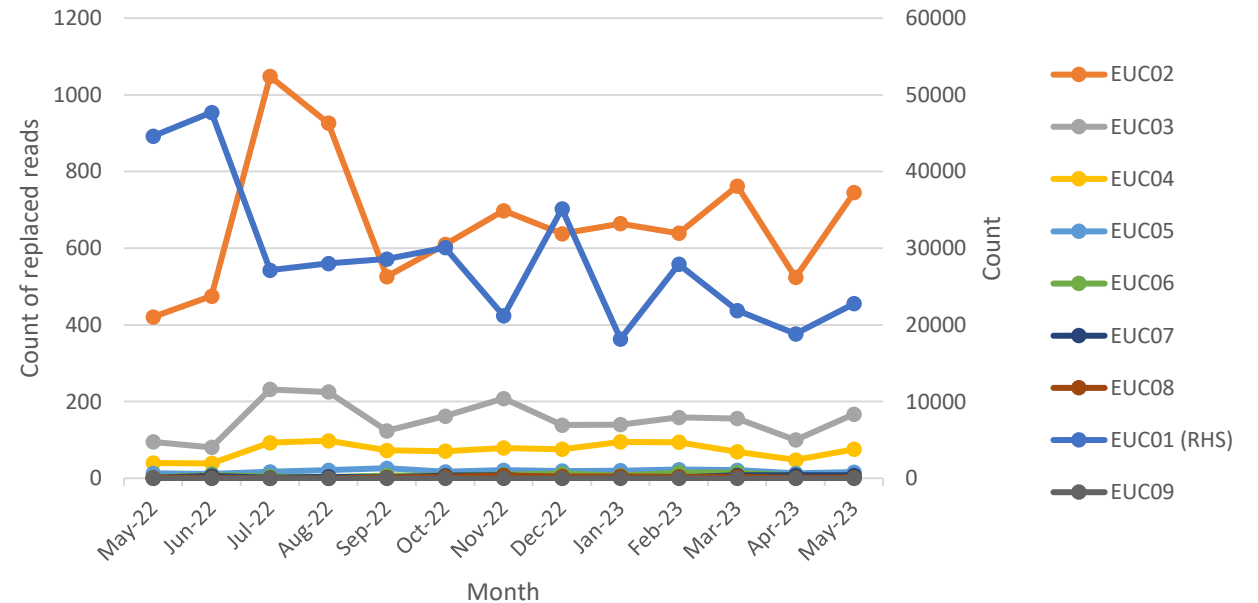
EUC08

↑ 1 Monthly Change
↑ 1 Annual Change

EUC09

No Monthly Change
No Annual Change

2A.10 Count of meter reading replaced by EUC



Observations:

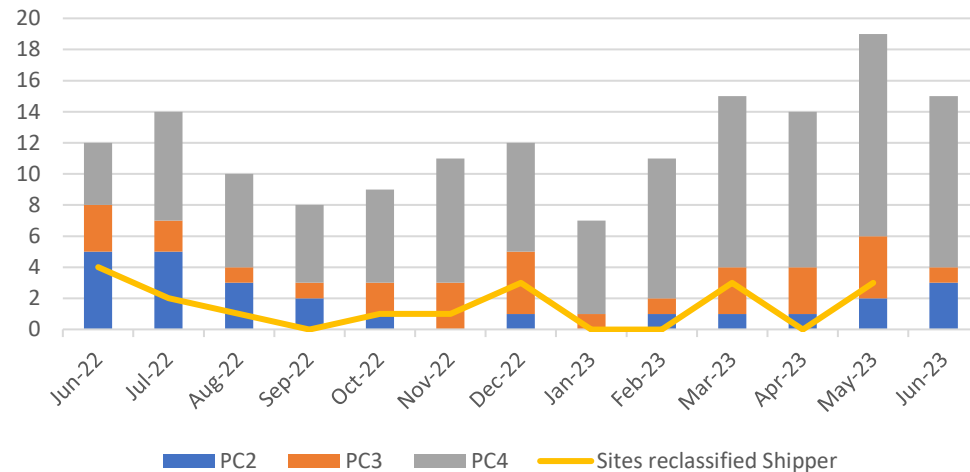
- Read replacement activity within EUC01 is driven by the volume of SPs within this particular End User Category and volumes continue to fluctuate month by month
- An increase in replacement readings was noted in all End User Categories (with the exception of EUC06) in the month of May '23
- PAFA will continue to monitor this subject matter

2A.11 SITES ABOVE CLASS 1 THRESHOLD NOT IN CLASS 1

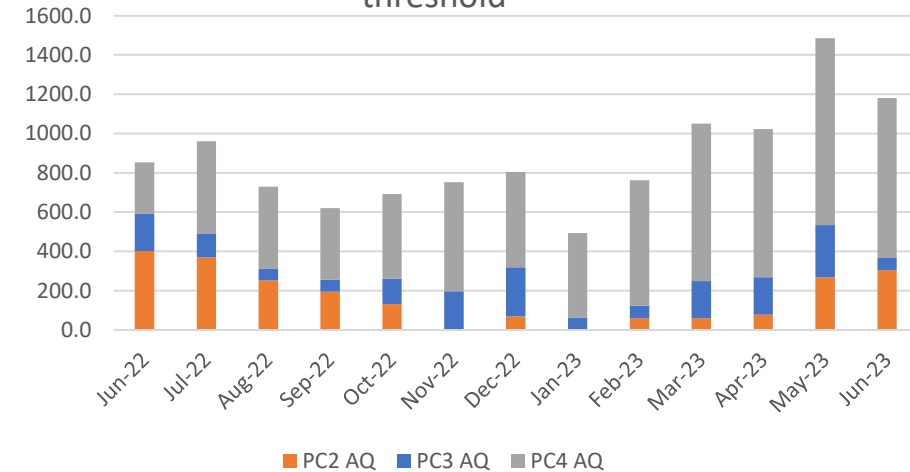


Report measures the number of sites meeting, approaching or have reached the criteria for re-confirmation as Class 1 as set out in UNC G2.3.15b

Supply points above the Class 1 threshold



Total AQ (GWh) of supply points above Class 1 threshold



Observations:

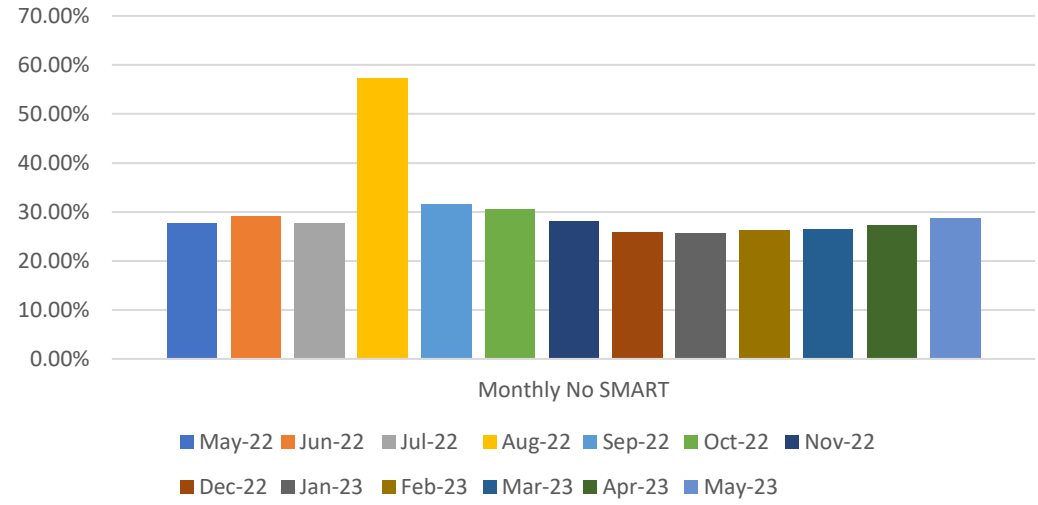
- There are currently 11 SPs within the PC4 sector of which meet PC1 threshold requirements (RAQ = 58.6m kWh)
- There is currently one SP within the PC3 sector of which meet PC1 threshold requirements (RAQ = 58.6m kWh)
- There are currently three SPs within the PC2 sector of which meets PC1 threshold requirements (RAQ = 58.6m kWh)
- 3 SPs were reclassified by a Shipper party in the month of May 2023

2A.12A AQ READ PERFORMANCE – PC4 MONTHLY ‘NO SMART’

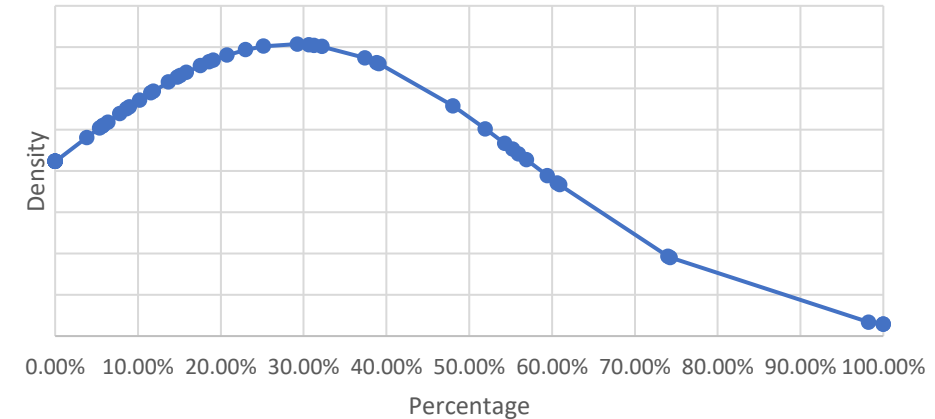


Report measures the percentage of PC4 monthly read performance at AQ level for sites without a SMART meter with an AQ >= 293,000 kWh

2A.12 AQ at Risk - Monthly no SMART industry average



2A.12a Distribution of AQ read performance for PC4 Monthly sites no SMART - 12 month average



Observations:

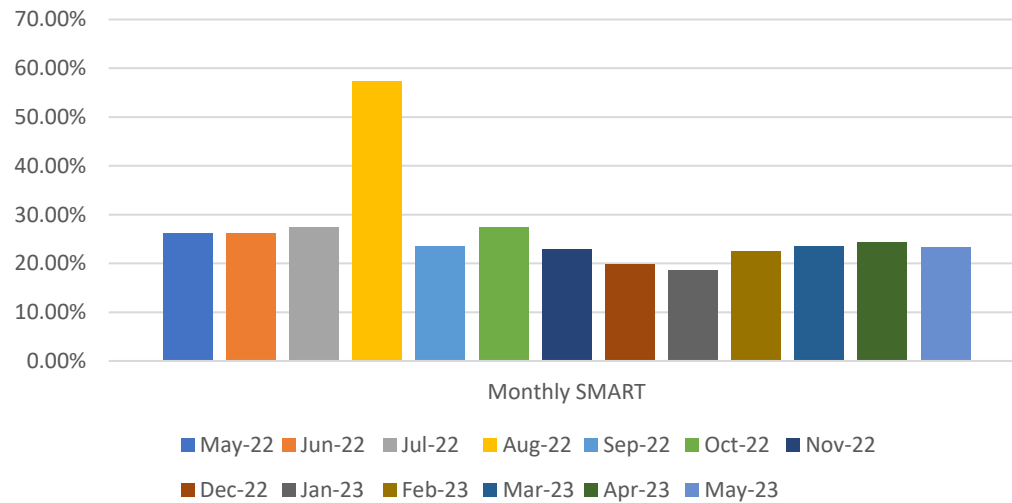
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis
- Three Shippers (Canberra, Monaco & Sarajevo) achieved a score of over 90% for its portfolio in this market category

2A.12B AQ READ PERFORMANCE – PC4 MONTHLY ‘SMART’

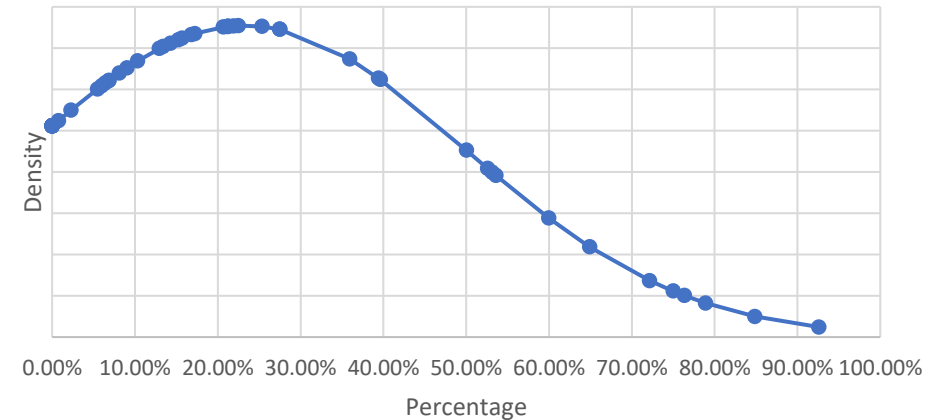


Report measures the percentage of PC4 monthly read performance at AQ level for sites with a SMART meter with an AQ $\geq 293,000$ kWh

2A.12 AQ at Risk - Monthly SMART industry average



2A.12b Distribution of AQ read performance for PC4 Monthly sites $\geq 293,000$ kWh SMART - 12 month average



Observations:

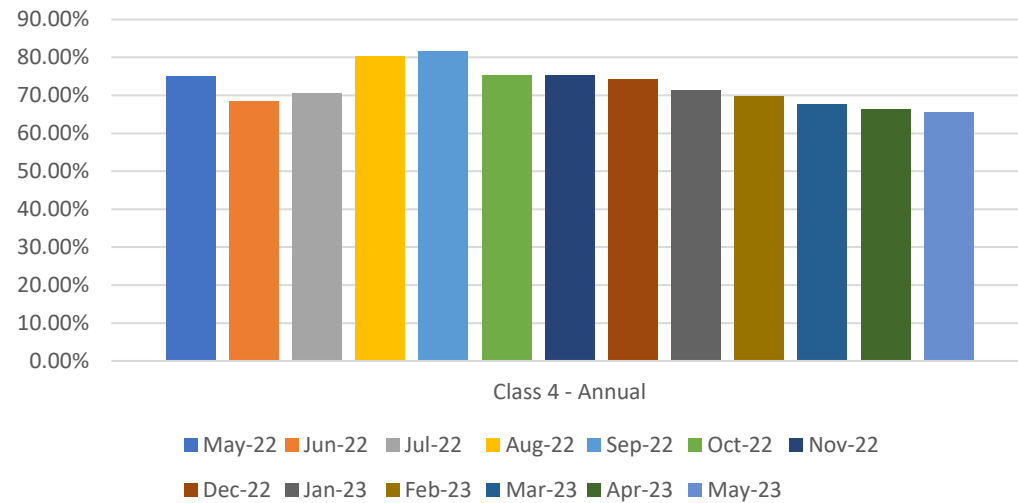
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis
- The best Shipper performer was Lisbon achieving a value of 92% for its portfolio in this market category
- PAFA is continuing to investigate potential root causes that are impacting smart meter reading performance levels. Work is ongoing in respect of this task and updates will be provided to PAC going forward

2A.12C AQ READ PERFORMANCE – PC4 ANNUAL

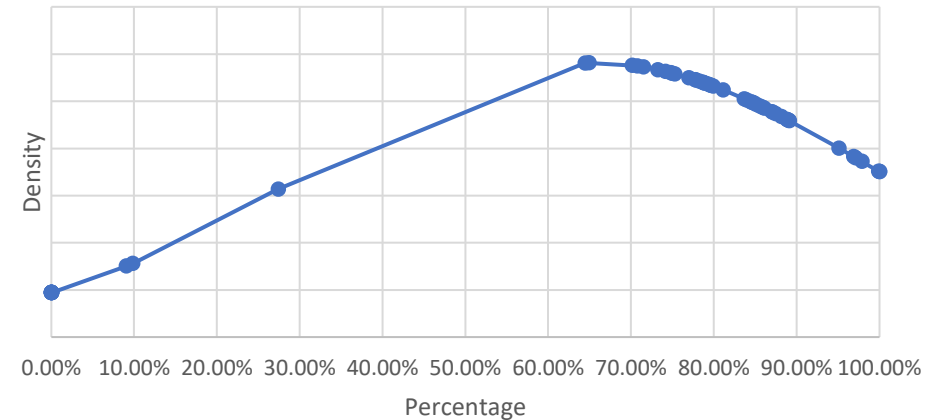


Report measures the percentage of PC4 annual read performance at AQ level for sites <293,000 kWh with no SMART/AMR

2A.12 AQ at Risk - Annual read industry average



2A.12c Distribution of AQ read performance for PC4 Annual sites -12 month average



Observations:

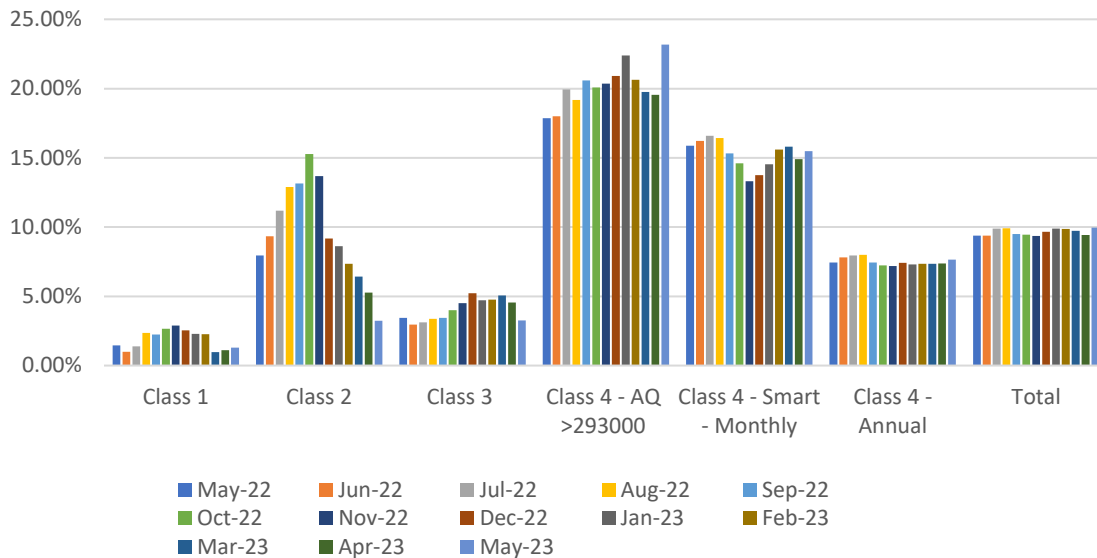
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis

2A.13 AQ AT RISK



Report measures the percentage of Annual Quantity within each product class without a meter reading within timescales as set out in the UNC

2A.13 AQ at Risk - Product Class split



Shippers with the highest percentage of AQ at Risk within their portfolio in May 2023:

Product Class 1

Rome **1.63%**
Valletta **3.15%**
Philipsburg **5.04%**

Product Class 2

Thimphu **3.75%**
Rome **9.40%**
Abuja **17.74%**

Product Class 3

Kampala **27.14%**
Mogadishu **32.37%**
Sarajevo **100%**

Product Class 4 – AQ >293000 kWh

Zagreb **72.06%**
Warsaw **74.41%**
Skopje **82.73%**
Gibraltar **100%**
Kampala **100%**
Maputo **100%**

Product Class 4 – Monthly SMART

12 Shippers **100%**

Product Class 4 - Annual

7 Shippers **100%**

Observations:

- The percentage of AQ at risk for the PC4 AQ>293000 kWh category is at its highest value (23.18%) since May 2021
- PAFA will review existing & future RFI response data received from Shipper parties to further understand factors affecting AQ at risk volumes
- PAFA will continue to monitor existing Performance Improvement Plans (PIPs) to determine the impact upon AQ at risk volumes

APPENDIX – PARR REPORT DETAILS



Report ID	Topic	Details	Split By	12 Rolling Months	Report Format	Report Period	Condition
2A.1	Estimated & Check Reads	Estimated Reads: The percentage of Shippers portfolio where actual reads were not provided. Excludes NTS and Telemetered sites Check Reads: The number of MPRNS which have not had a site visit read for <=13 months	Class	Annual	Percentage	May	M-1
2A.2	No Meter Recorded on the Supply Point Register	The percentage of a Shipper's portfolio where no meter is fitted at the supply point for more than 6 months.	Class	Annual	Percentage	May	M-1
2A.3	No Meter Recorded on the Supply Point Register and Data Flows Received	The percentage of a Shipper's portfolio where no meter is fitted at the supply point for more than 6 months but data flows are received	Class	Annual	Percentage	May	M-1
2A.4	Shipper Transfer Read Performance	Shipper provided an opening meter read within D+10 of transfer of ownership	Total	Annual	Percentage	May	M-1
2A.5	Read Performance	Shipper to provide read as per frequency for each Product Class. Class and Shipper transfer are excluded. 6 monthly are considered as annual sites.	Class	Monthly	Percentage	May/ April (PC4 only)	M-1/M-2 (PC4)
2A.6	Meter Read Validity Monitoring	Percentage of Shippers portfolio which failed meter read validation MRE01026: Reading Breached lower outer tolerance MRE01027: Reading Breached upper outer tolerance MRE01028: Reading Breached lower inner tolerance and no override flag provided MRE01029: Reading Breached upper outer tolerance and no override flag provided MRE01030: Override tolerance passed and no override flag provided	Class	Monthly	Percentage	May	M-1

APPENDIX – PARR REPORT DETAILS



Report ID	Topic	Details	Split By	12 Rolling Months	Report Format	Report Period	Condition
2A.7	No read for 1,2,3 or 4 years	Percentage of Shipper portfolio in the specified EUC band which has not received a read for the specified period. Estimates are not counted	EUC Band and Class	Annual	Percentage	May	M-1
2A.8	AQ Corrections by reason code	Count of MPRNs on each Shippers portfolio where the AQ correction process was used.	Reason code	Annual	Count	May	M-1
2A.9	Standard Correction Factors	Count of sites with an AQ>732,000 kWh which have used a standard correction factor instead of using a site specific correction factor as per the requirements	EUC Band	Annual	Count	May	M-1
2A.10	Replaced Meter Reads	Count of sites which have replaced a meter read (actual meter reading with another actual meter read), with an updated AQ for the MPRN	EUC Band	Annual	Count	May	M-1
2A.11a	Sites above the Class 1 threshold which are not in Class 1	Reports on all sites with an Annual Quantity over the mandatory Daily Metered threshold which are not in Class 1 as a count and as a total AQ. Separated between those that have fully met the UNC G2.3.15b criteria, and those that have not yet met them.	Current Class	Annual	Count and sum of AQ	May	M
2A.11b	Count of sites reclassified to Class 1 by the Shipper and CDSP	Compares the number of qualifying sites which have been moved to Class 1 by the Shipper and by the CDSP each calendar month.	Shipper v CDSP	Annual	Count and sum of AQ	May	M-1

APPENDIX – PARR REPORT DETAILS



Report ID	Topic	Details	Split By	12 Rolling Months	Report Format	Report Period	Condition
2A.12	Class 4 read submission performance as a percentage of portfolio AQ	Assesses performance against the Class 4 meter read performance, expressed as a percentage of total AQ in that Shipper's ownership. Targeting larger AQ sites would aid settlement by ensuring that more energy is reconciled more quickly. Sites are excluded if there was a change of Shipper or where an "operational" Smart or Advanced meter was fitted for the first time in the calendar month. Sub-divided by Meter reading obligations, a = Monthly due to AQ, b = Smart/AMR fitted c = non-Monthly	Meter reading obligation	Annual	Percentage Read	May	M-1
2A.13	Breakdown of AQ overdue for a Meter Reading	Reports on the total AQ by Shipper which is overdue for a meter reading. "Overdue" for the purposes of this report is UNC obligation plus 2 or 3 months, i.e. - Class 1, 2, 3 - no read for three months - Class 4 monthly read sites - no read for three months - Class 4 non-monthly read sites - no read for 15 months	Meter reading obligation	Current and prior month only	Percentage overdue	May	M-1



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