

MARCH 23 - GEMSERV

PARR DASHBOARDS

14TH MARCH 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:

↓ 6.45% - Monthly change
↓ 8.99% - Annual change

Monthly changes:

↑ 2.15% Manama ↓ 43.55% Khartoum
↑ 5.71% Valletta ↓ 45.16% Taipei
↑ 16.13% Luanda ↓ 90.32% Marigot

PC2

Industry movement:

↑ 8.67% - Monthly change
↑ 6.84% - Annual change

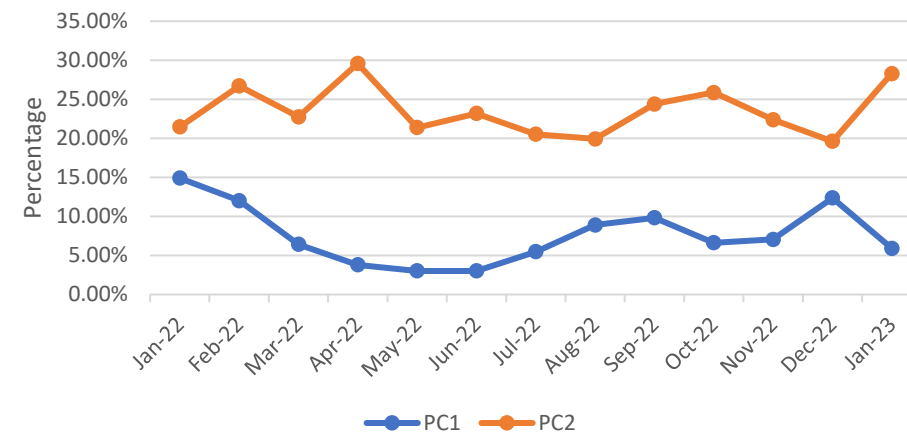
Monthly changes:

↑ 18.44% Manama ↓ 4.30% Abuja
↑ 19.35% Athens ↓ 6.64% Thimphu
↑ 38.71% Lisbon ↓ 24.85% Saipan

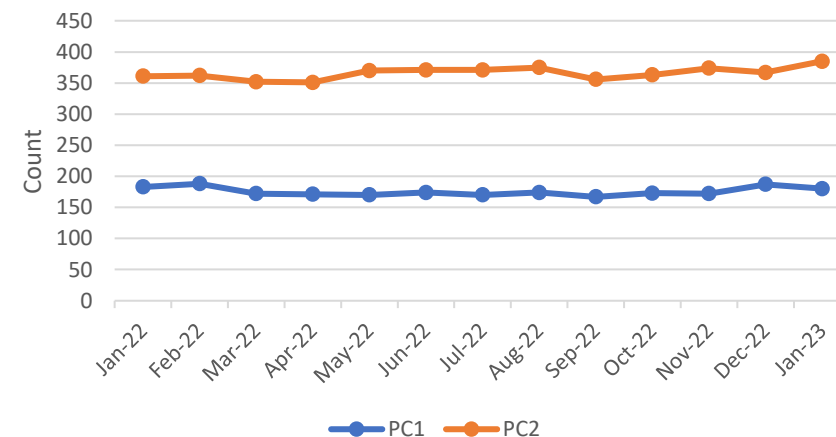
Observations:

- Shipper Marigot has seen a large improvement in terms of the volume of estimated readings provided for its PC1 portfolio
- Shipper Abuja has seen an improvement in the volume of estimated readings provided for its PC2 portfolio, however the volume of estimated reads remains above 95%. Abuja is a relatively new entrant to the market (December 2022)
- DDP Check read reporting is currently under review. PAFA is working with Xoserve & Correla to improve reporting logic & methodology

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

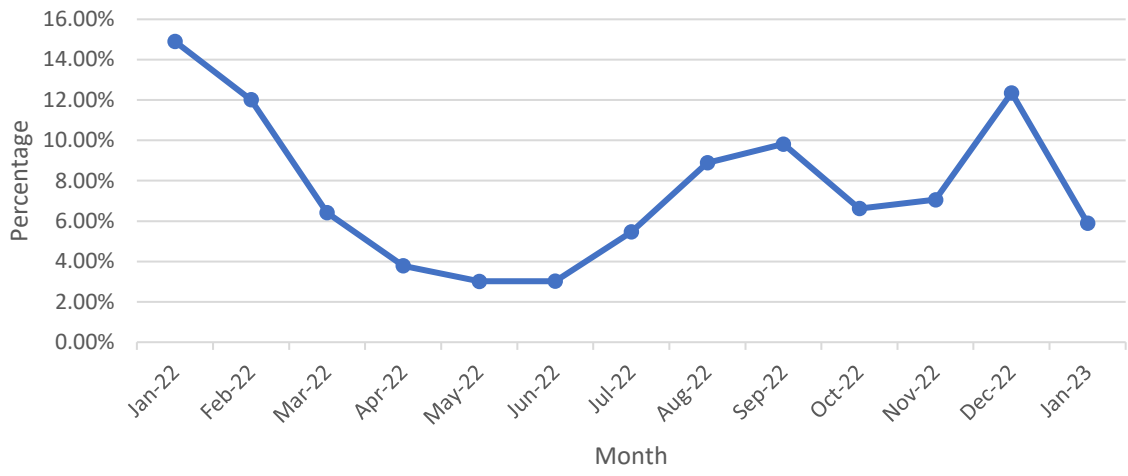


2A.1 Count of Check Reads not completed for PC1 and PC2

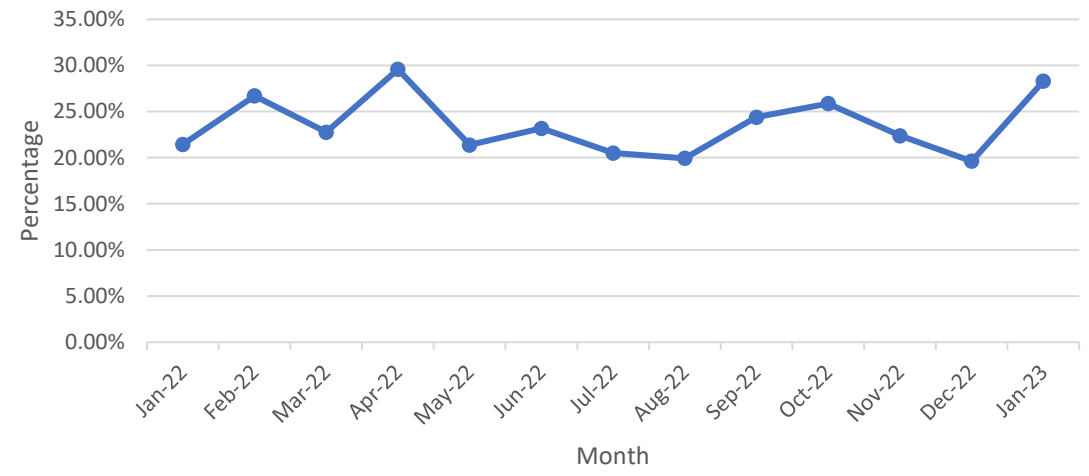


2A.1 ESTIMATED & CHECK READS - PRODUCT CLASSES 1 & 2

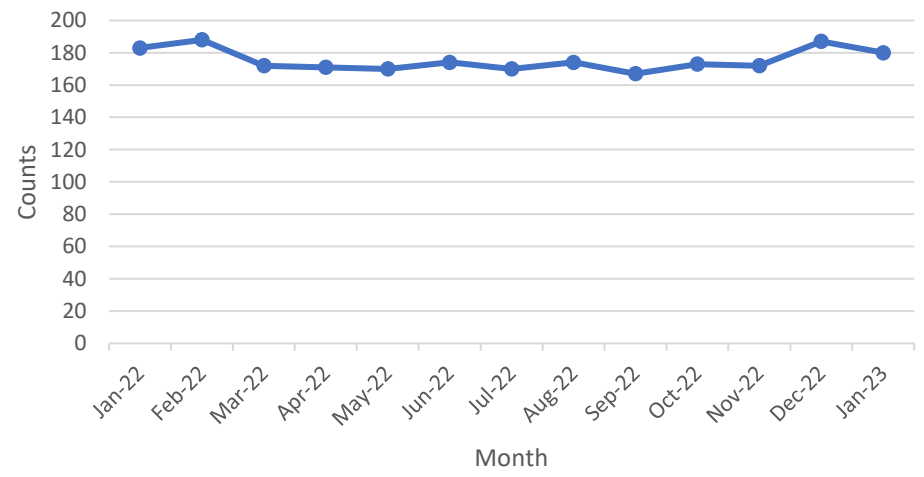
2A.1 PC1 Estimated Read Totals



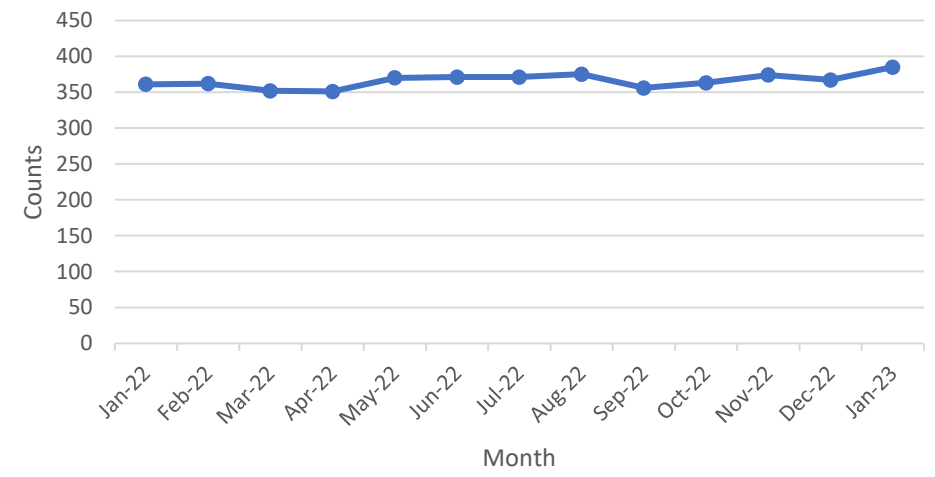
2A.1 PC2 Estimated Read Totals



2A.1 PC1 Check Reads Total



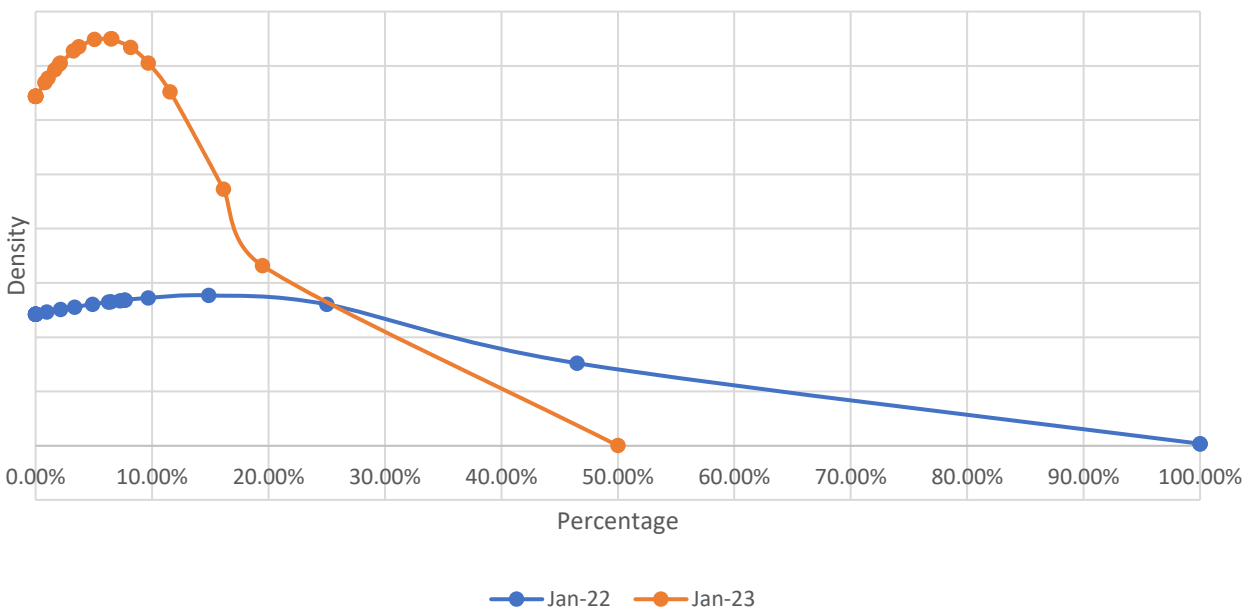
2A.1 PC2 Check Read Totals



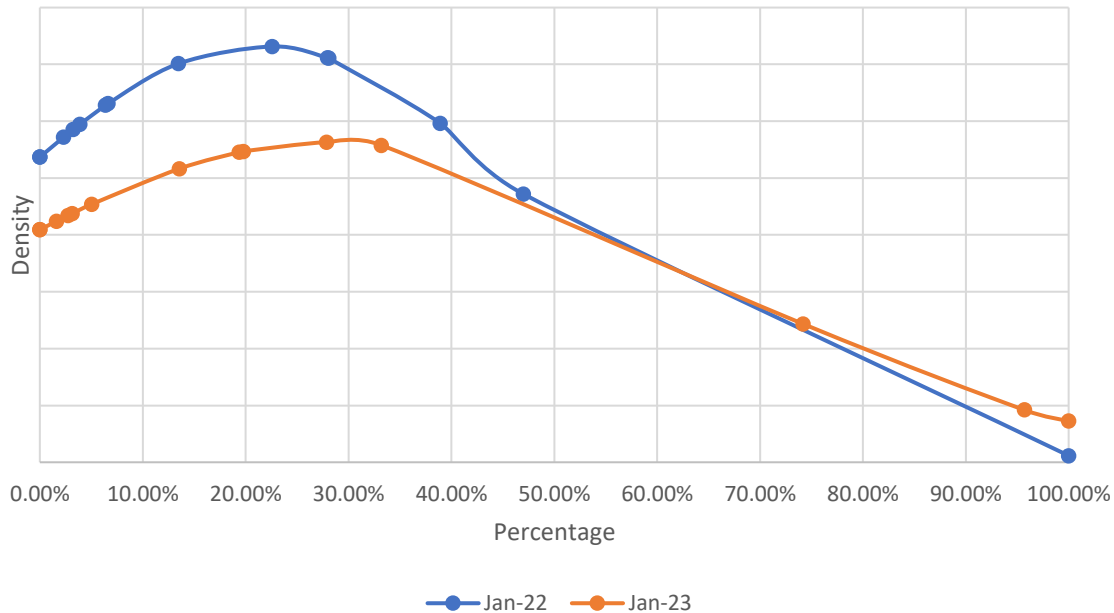
2A.1 ESTIMATED & CHECK READS - PRODUCT CLASSES 1 & 2



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%**

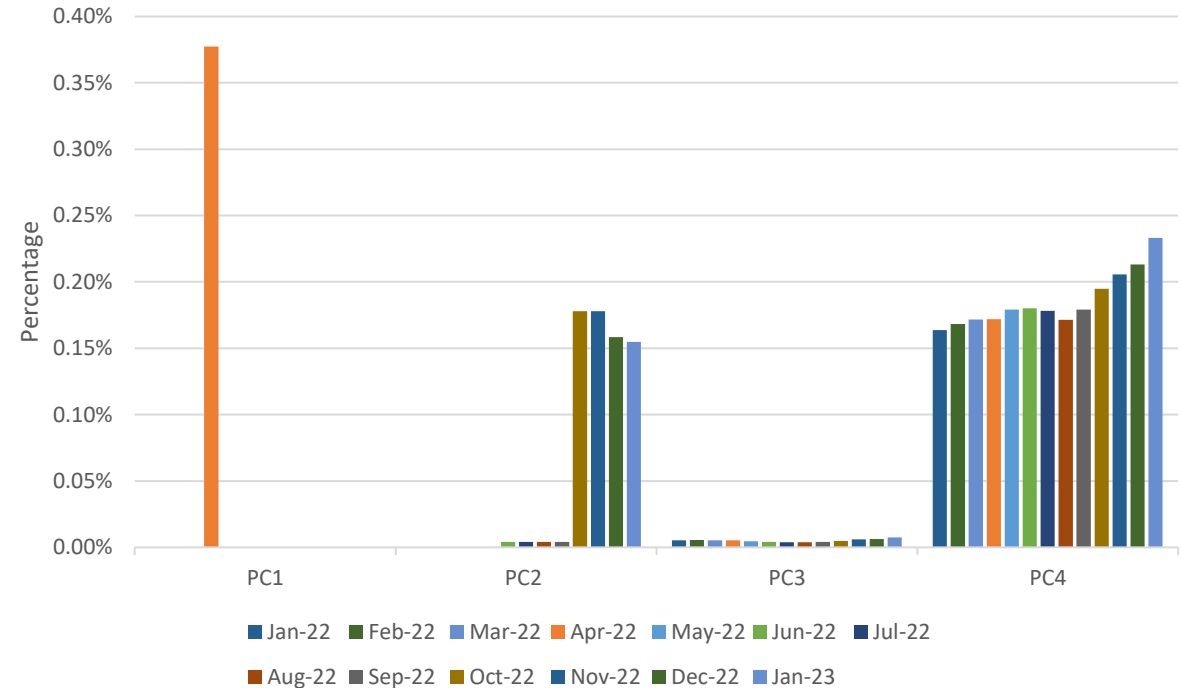
PC3

Highest Shippers:
Taipei **0.02%**
Roseau **0.12%**
Mogadishu **0.57%**

PC4

Highest Shippers:
Reykjavik **12.50%**
Saipan **25%**
Luxembourg **42.11%**

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



Observations:

- The percentage values within PC3 & PC4 categories have gradually increased over the period Jan 2022 – Jan 2023 this is also reflected in the volume of SPs with no meter recorded in these markets.
- PC3 (by volume of SPs) is at its highest level since Jan 2022, this being 356 SPs across all Shipper portfolios
- PC4 (by volume of SPs) is at its highest level since Jan 2022, this being 47,256 SPs across all Shipper portfolios

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:

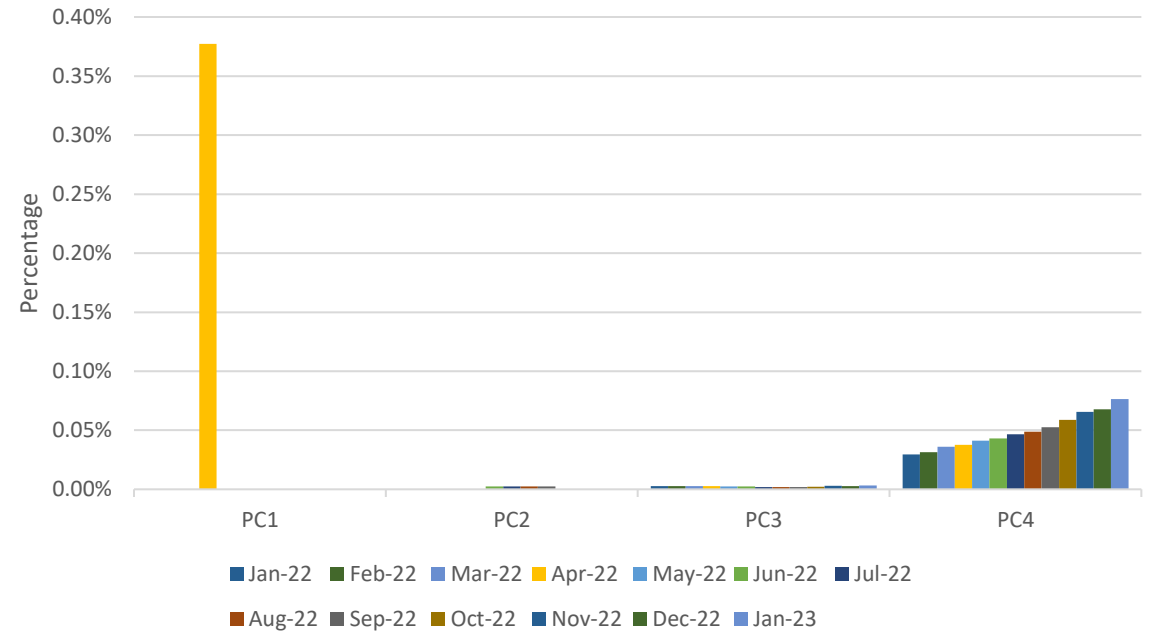
Rome 0.01%
Roseau 0.12%
Mogadishu 0.29%

PC4

Highest Shippers:

Belmopan 0.82%
Saipan 25%
Praia 25%

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



Observations:

- Shippers Saipan and Praia have hit 25% of total portfolio in the PC4 market, however the volume of SPs on related portfolios is low
- It should also be noted that the Praia portfolio is currently in the process of transitioning over to a Third Party Shipper

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:

↑ 6.33% - Monthly change

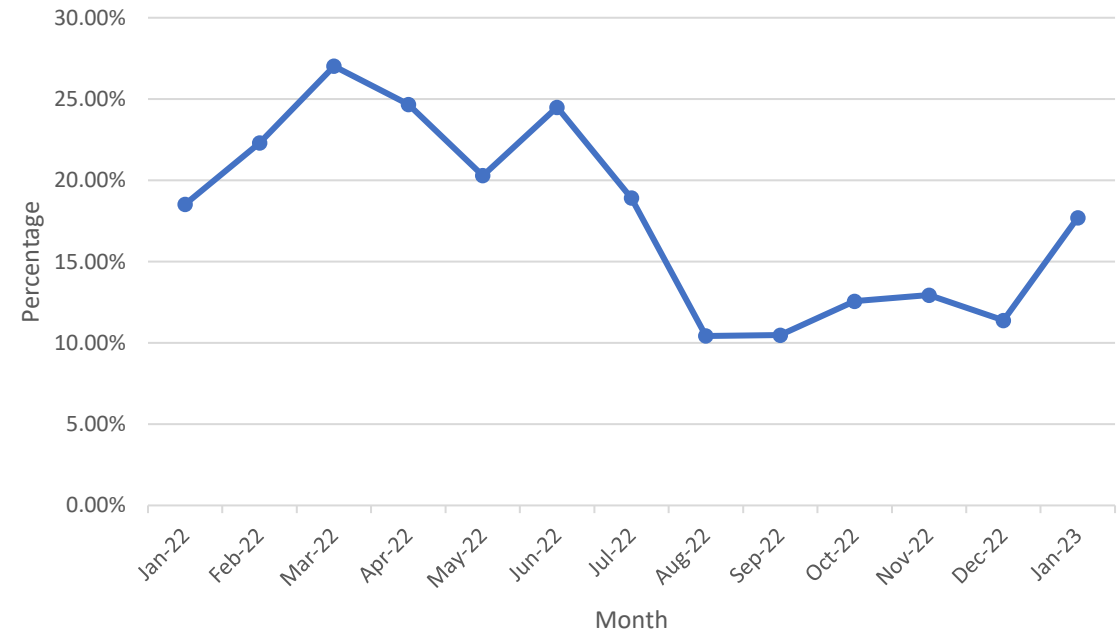
↓ 0.82% - Annual change

NEWS & UPDATES

07/02/2023: NOTIFICATION

There has been an update to the Transfer Read Performance dashboards. It was identified that only accepted submission of a U01 file was being recorded for a successful transfer, whereas other valid file types were not being included. That has now been rectified. Most parties will see only marginal changes to their percentages, but any parties that regularly use other read file types other than U01 may see an increase in transfer read performance percentage in future.

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



Observations:

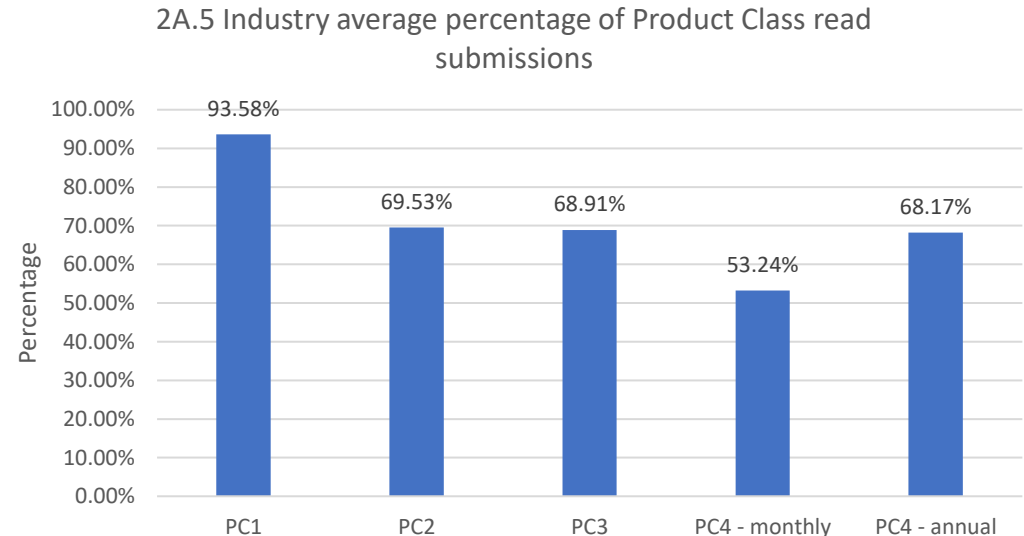
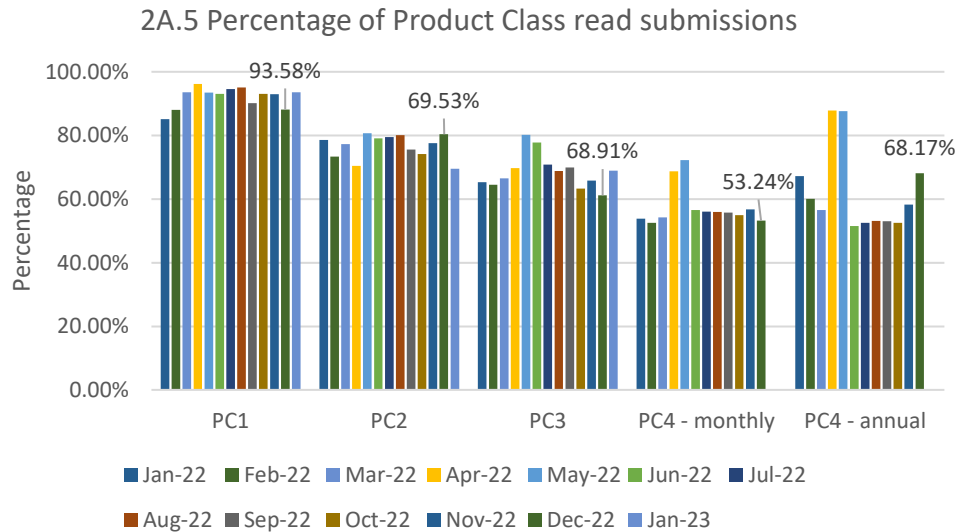
- A change to DDP reporting in respect of Shipper Transfer Read Performance was implemented on the 07/02/2023
- Previous reports provided only took into consideration the receipt and acceptance of UMR (U01) files received from Shippers within the opening meter reading window, therefore reporting only took into consideration the PC4 market
- As a result of the reporting change implemented the amended report logic now takes into consideration the receipt and acceptance of all available meter reading file types for PCs 1 – 4 in the opening meter reading window
- Revised data based upon new report criteria has been provided within the latest PARR Report

2A.5 - READ PERFORMANCE



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

PC4 Monthly and Annually read measures the average percentage of Shipper portfolio submitting reads in December 2022.



Poorest performing Shippers:

PC1

50% Abuja
80.51% Valletta
83.87% Luanda

PC2

0% Tehran
4.30% Abuja
25.81% Lisbon

PC3

0% Avarua
0% Sarajevo
0.88% Philipsburg
1.33% Yerevan

PC4 (Monthly)

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

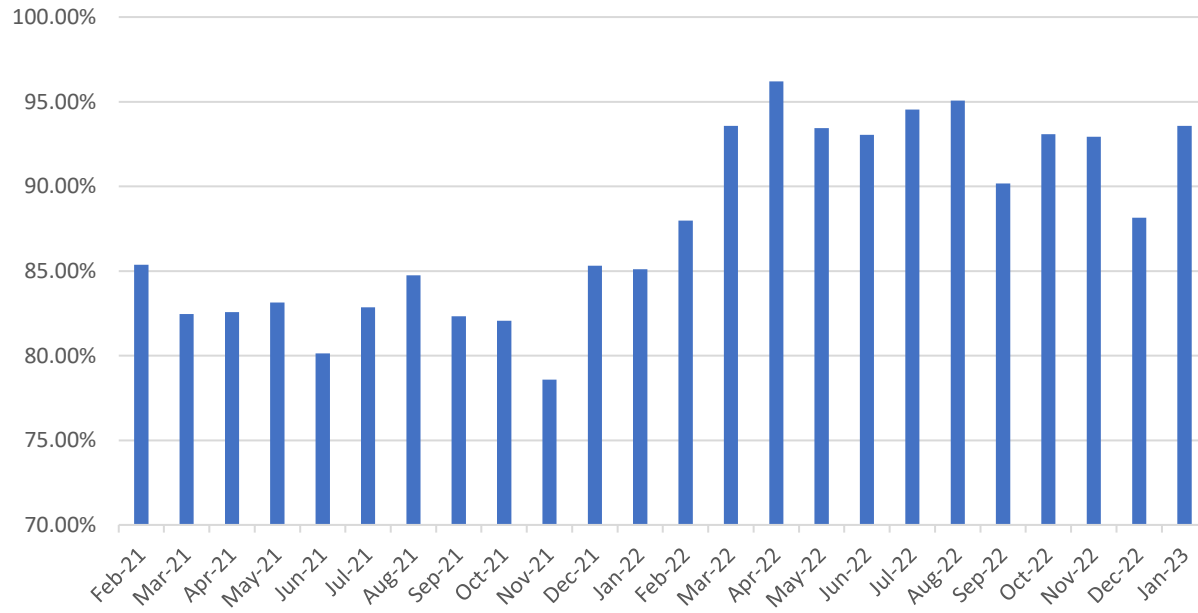
PC4 (Annual)

0% Bamako
0% Berlin
0% Bishek
0% Djibouti
0% Luxembourg
0% Reykjavik
0% Sarajevo
0% Tallinn

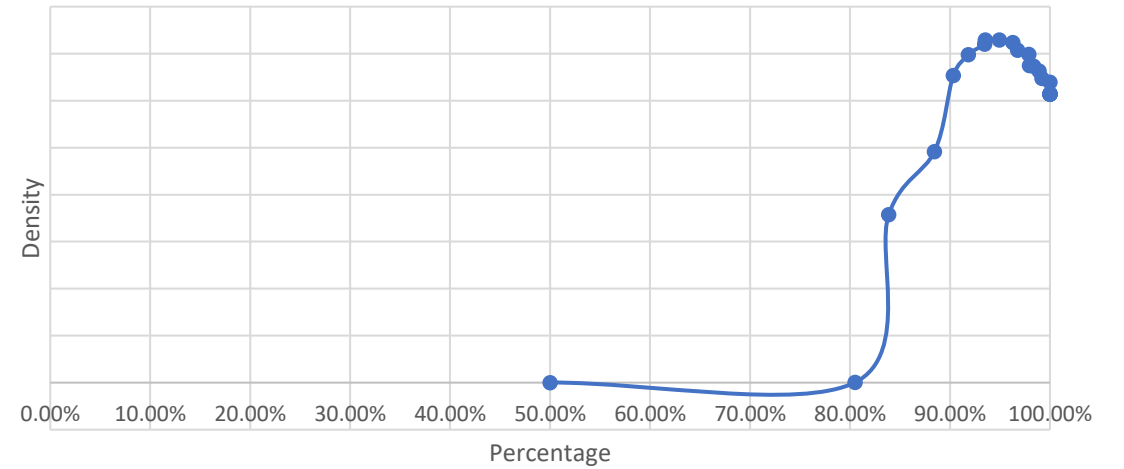
2A.5 - READ PERFORMANCE (PC1)



Read Performance - PC1



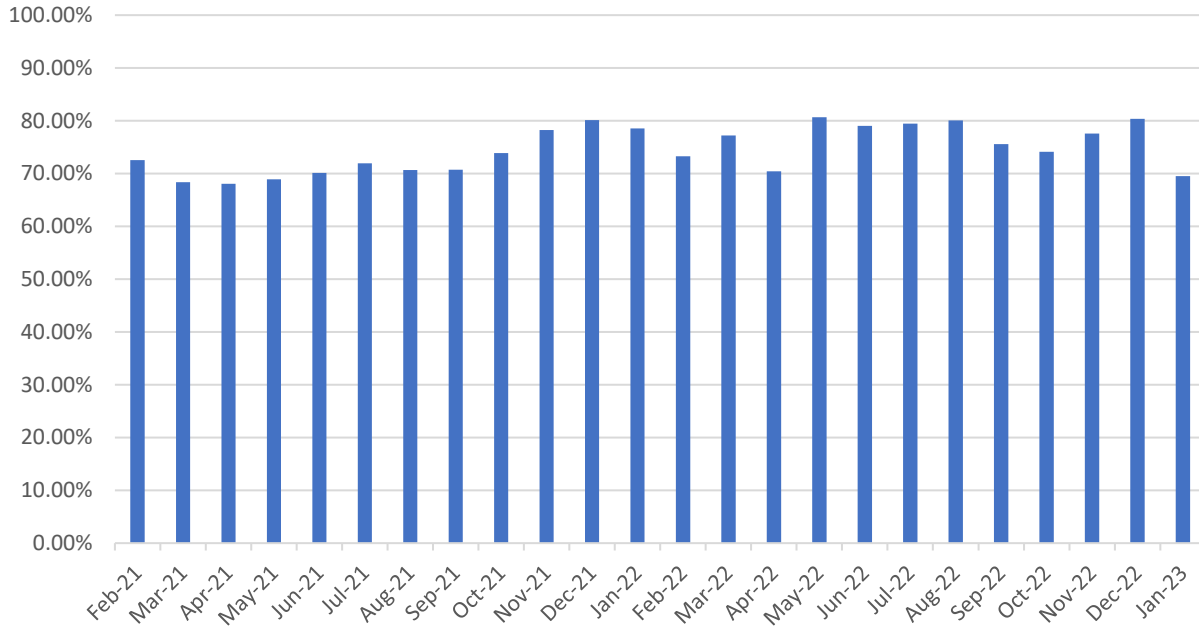
2A.5 Distribution of percentage of PC1 sites providing meter reads



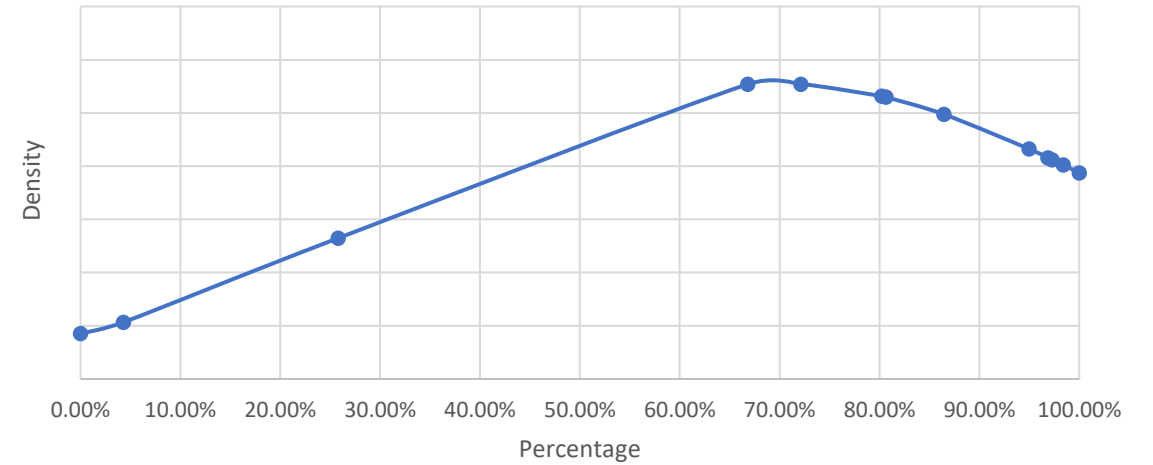
2A.5 - READ PERFORMANCE (PC2)



Read Performance - PC2



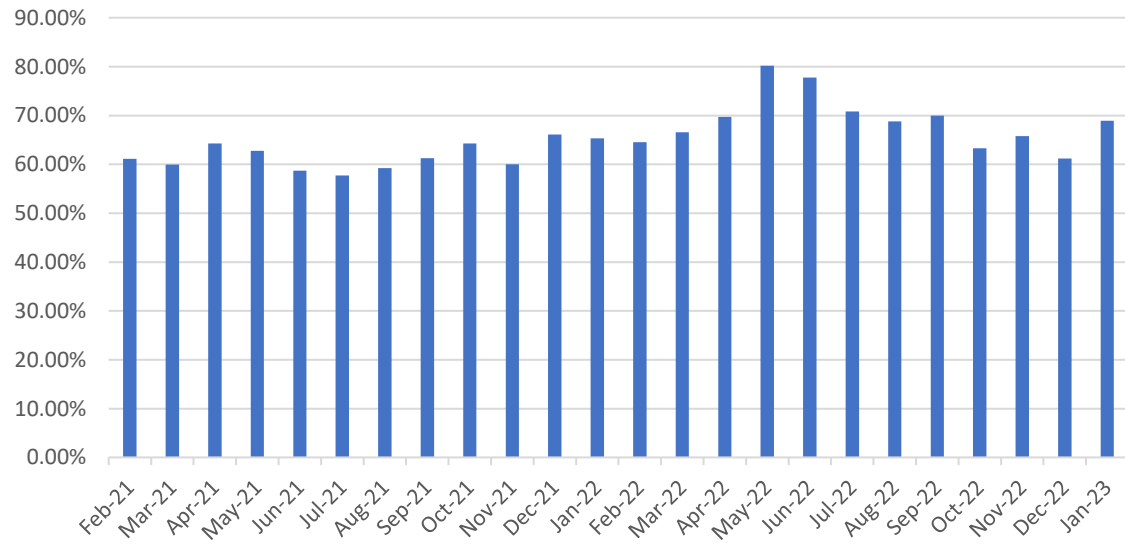
2A.5 Distribution of percentage of PC2 sites providing meter reads



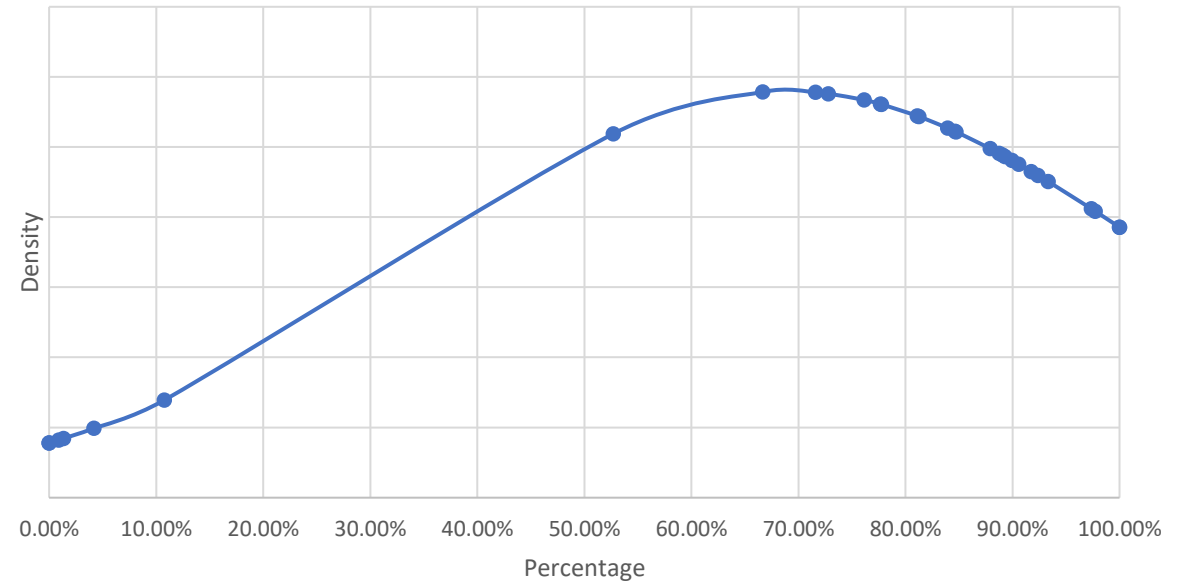
2A.5 - READ PERFORMANCE (PC3)



Read Performance - PC3



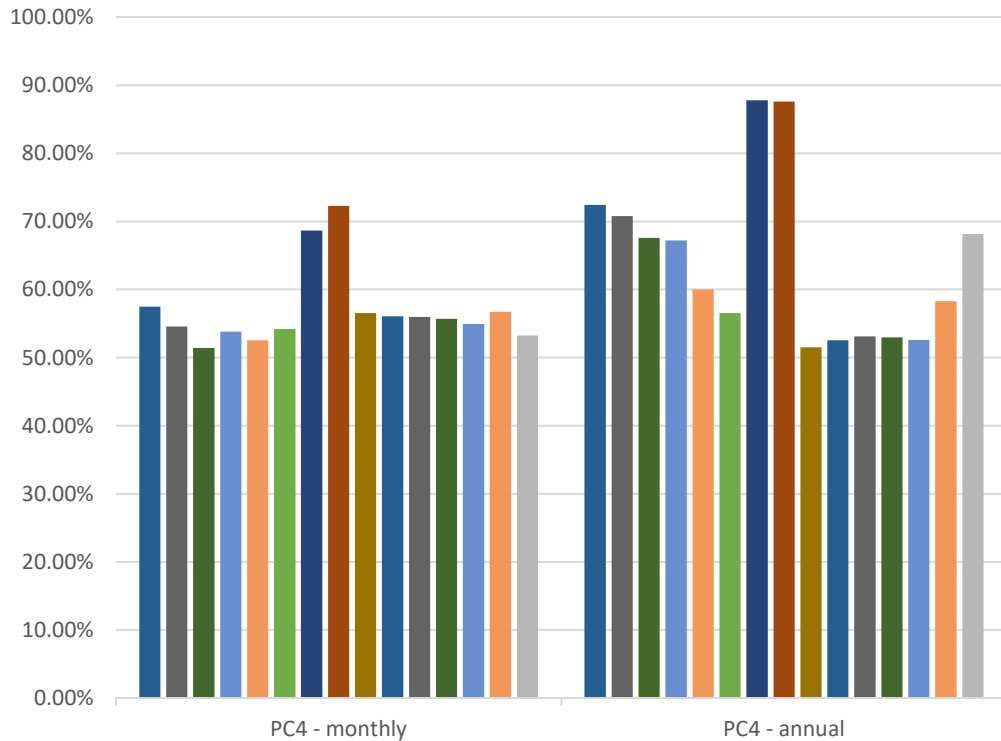
2A.5 Distribution of percentage of PC3 sites providing meter reads



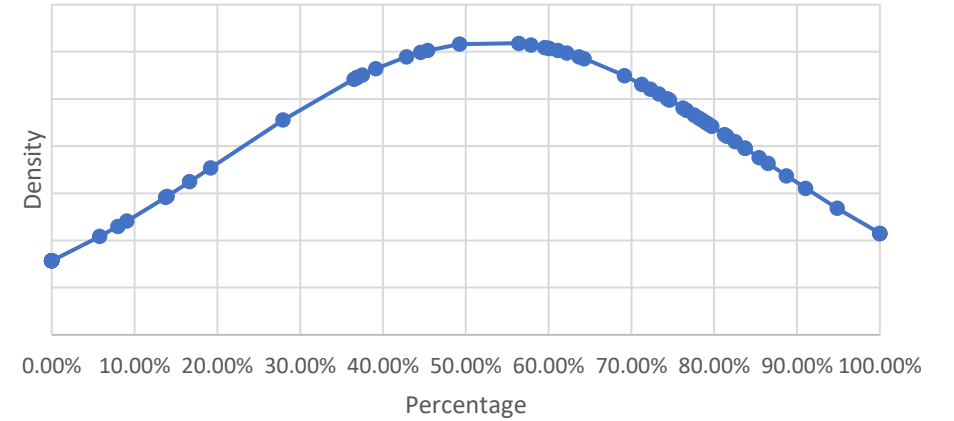
2A.5 - READ PERFORMANCE (PC4)



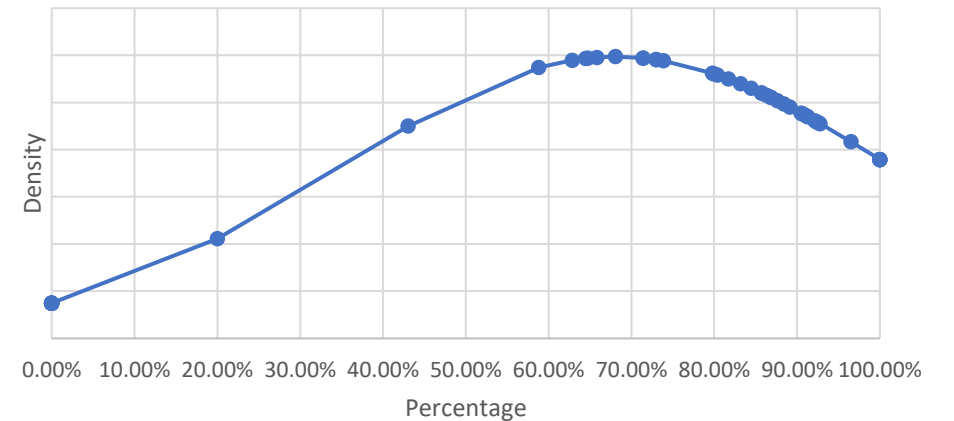
Read Performance - PC4



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



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



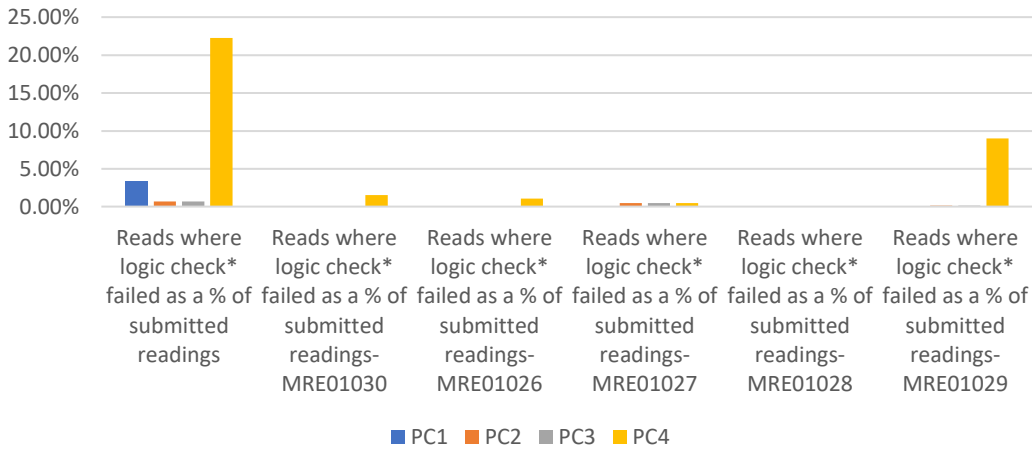
- Oct-21
- Nov-21
- Dec-21
- Jan-22
- Feb-22
- Mar-22
- Apr-22
- May-22
- Jun-22
- Jul-22
- Aug-22
- Sep-22
- Oct-22
- Nov-22
- Dec-22

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 - January 2023

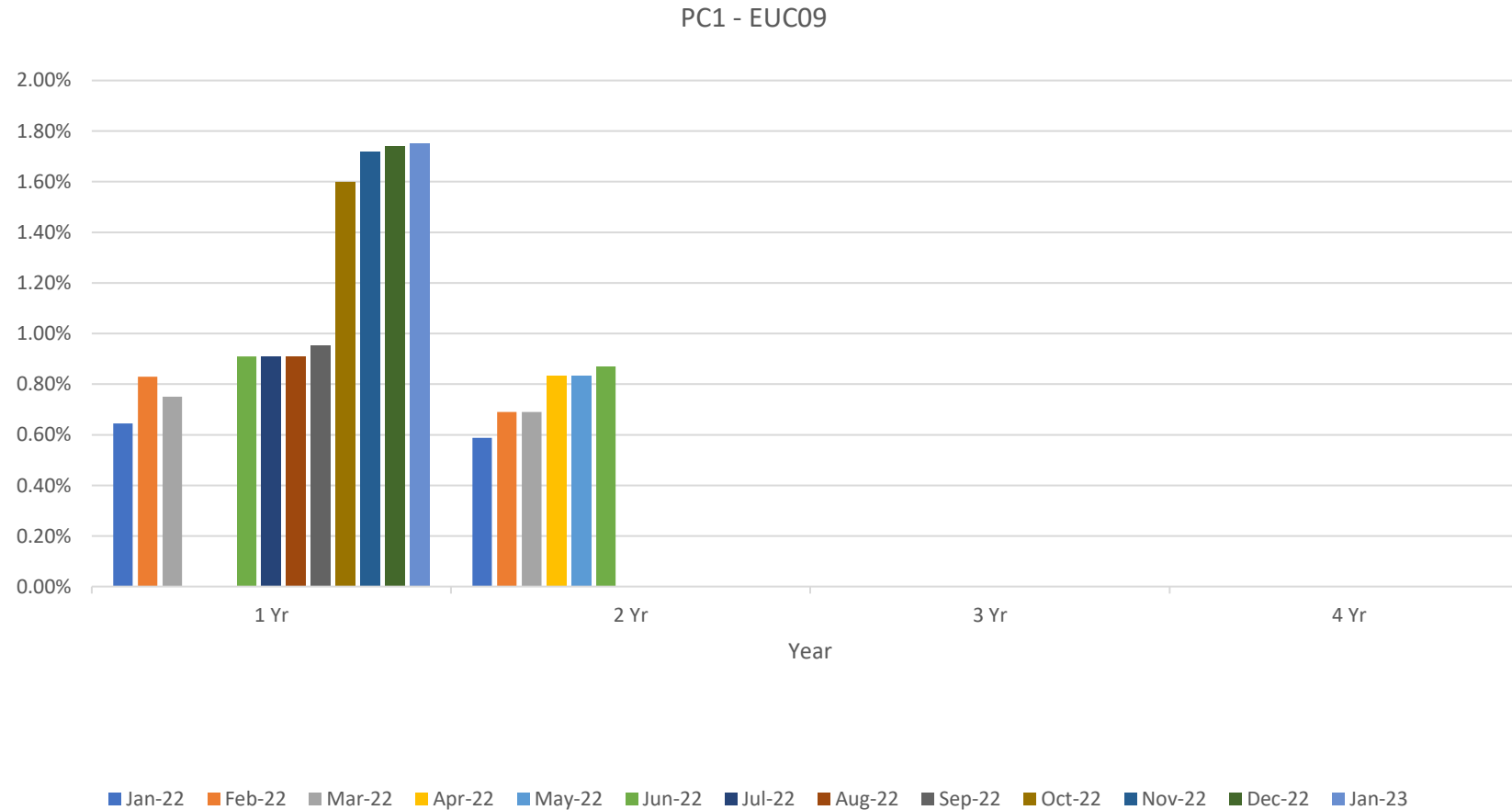


Product Class	Reads where logic check* failed as a % of submitted readings	MRE01030	MRE01026	MRE01027	MRE01028	MRE01029
1	Saipan – 79.17%	N/A	N/A	N/A	N/A	N/A
2	Philipsburg – 28.38%	Abuja – 6.67%	Papeete – 0.96%	Abuja – 2.38%		Philipsburg – 0.44%
3	Yerevan – 65.10%	Monaco – 25.52%	Roseau – 0.01%	Brazzaville – 1.72%		Khartoum – 13.71%
4	Thimphu – 82.30%	Yerevan – 19.21%	Valletta – 4.37%	Khartoum – 9.09%		Monaco – 50%

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



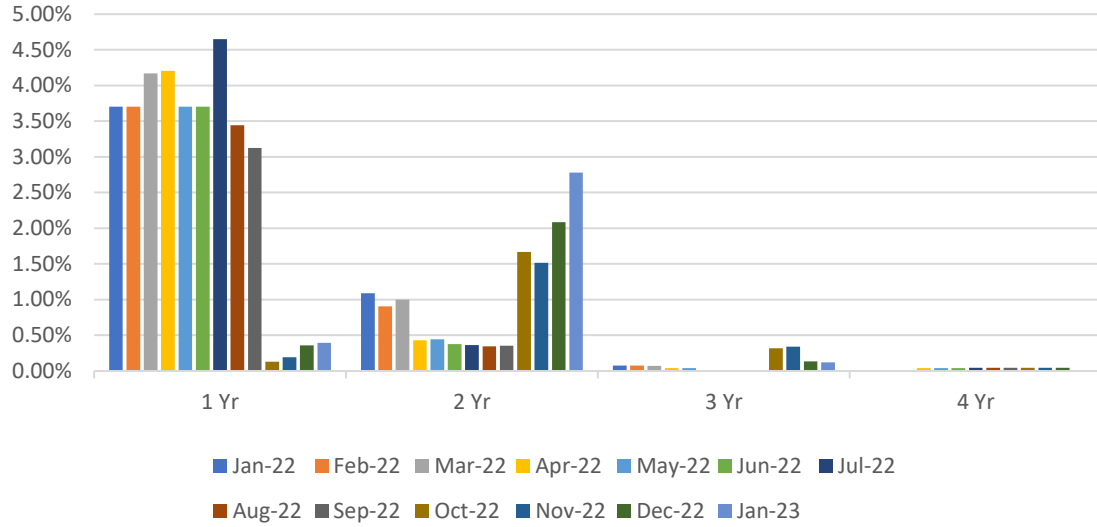
All reports measures the percentage of Shipper portfolio in the specified AQ band without a meter reading for the specified period



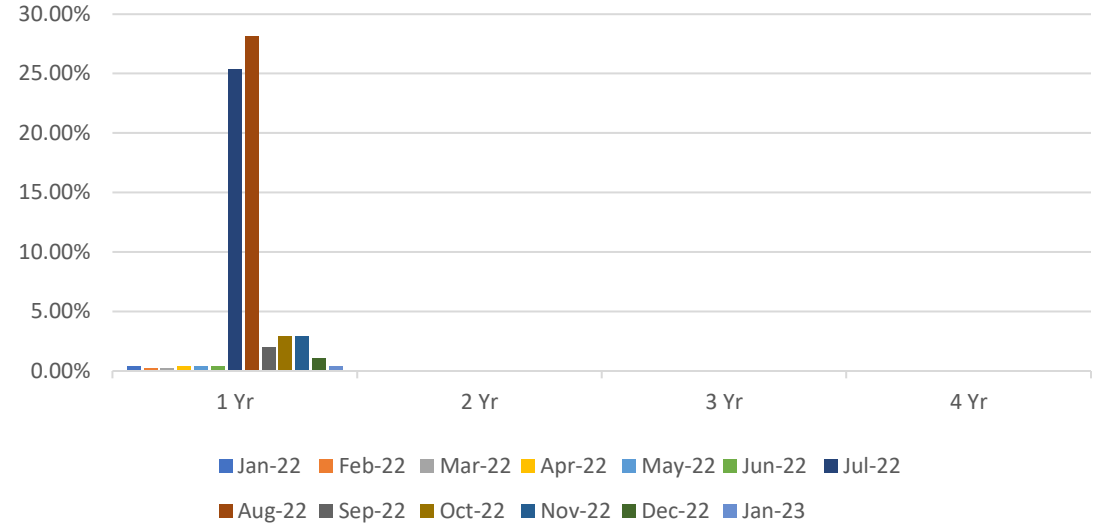
2A.7 NO READS RECEIVED FOR 1, 2, 3 OR 4 YEARS - PRODUCT CLASS 3



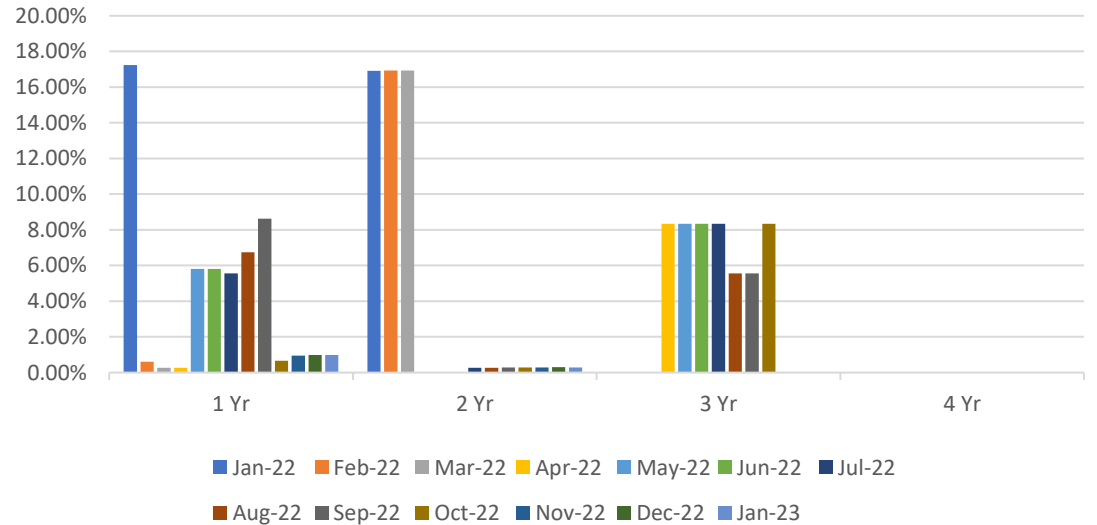
PC3 - EUC05



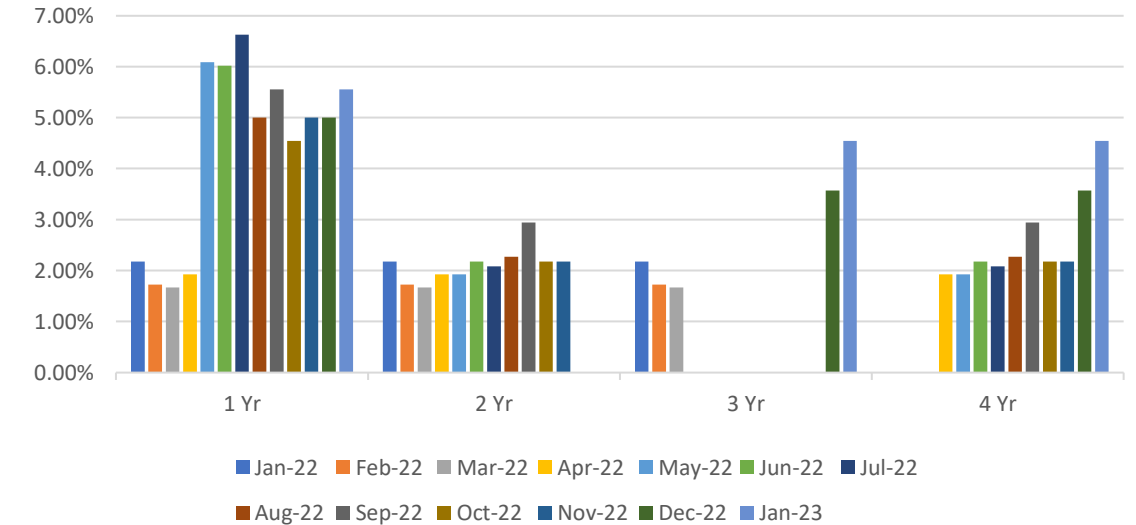
PC3 - EUC06



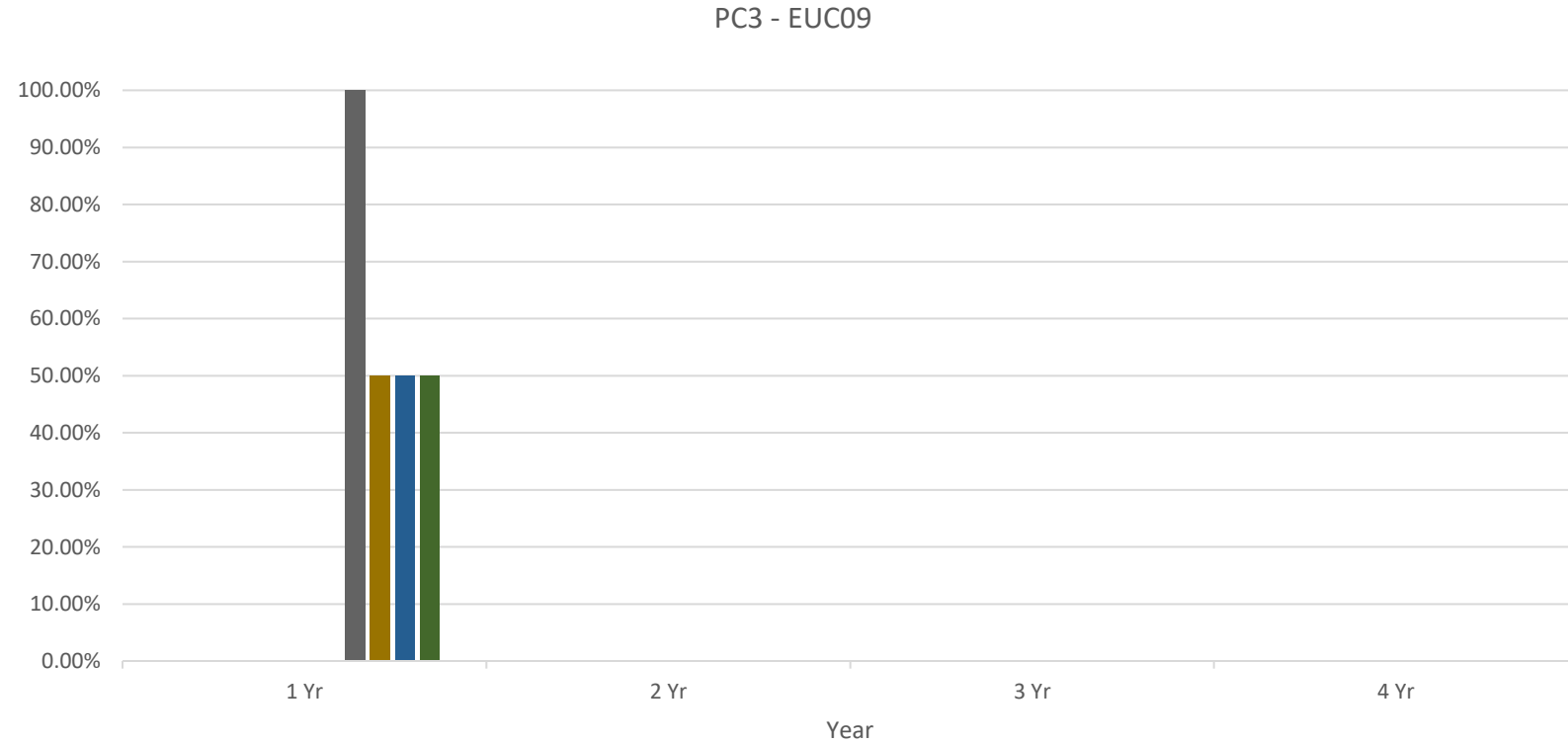
PC3 - EUC07



PC3 - EUC08



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

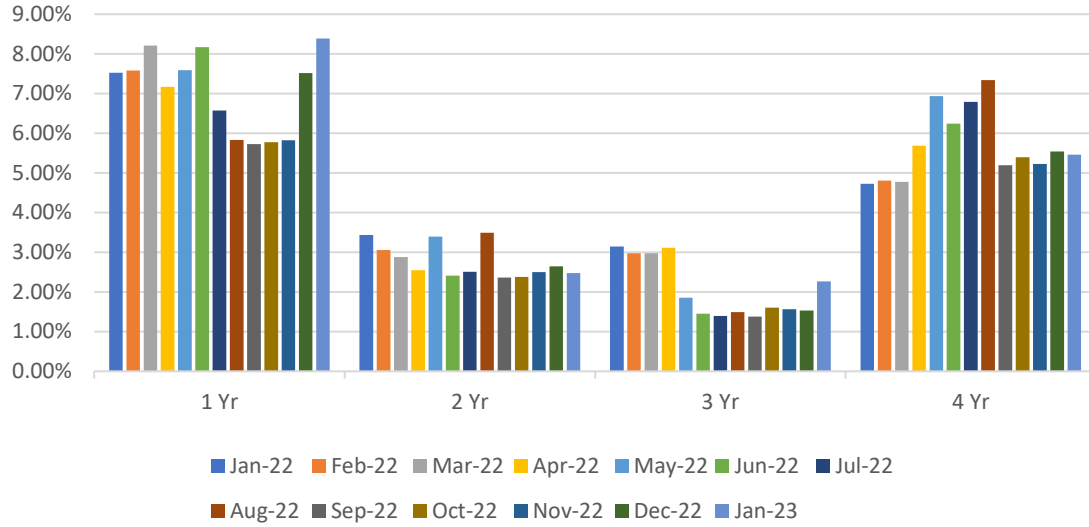


■ Jan-22 ■ Feb-22 ■ Mar-22 ■ Apr-22 ■ May-22 ■ Jun-22 ■ Jul-22 ■ Aug-22 ■ Sep-22 ■ Oct-22 ■ Nov-22 ■ Dec-22 ■ Jan-23

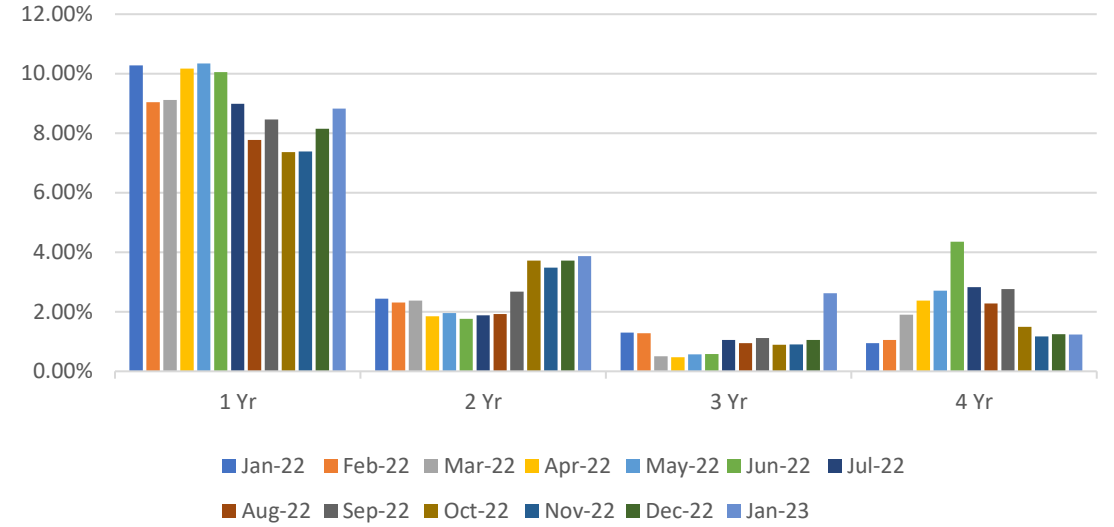
2A.7 NO READS RECEIVED FOR 1, 2, 3 OR 4 YEARS - PRODUCT CLASS 4



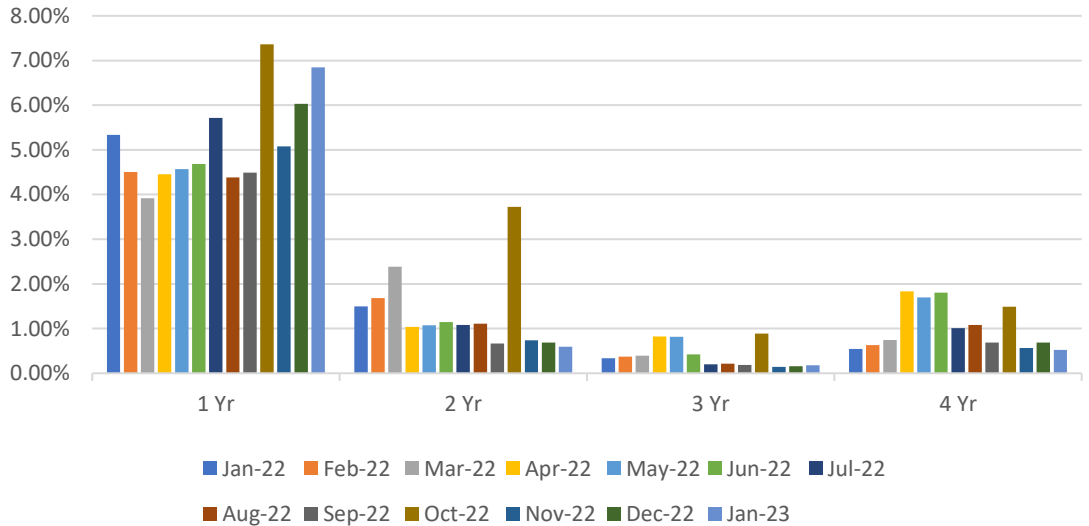
PC4 - EUC01



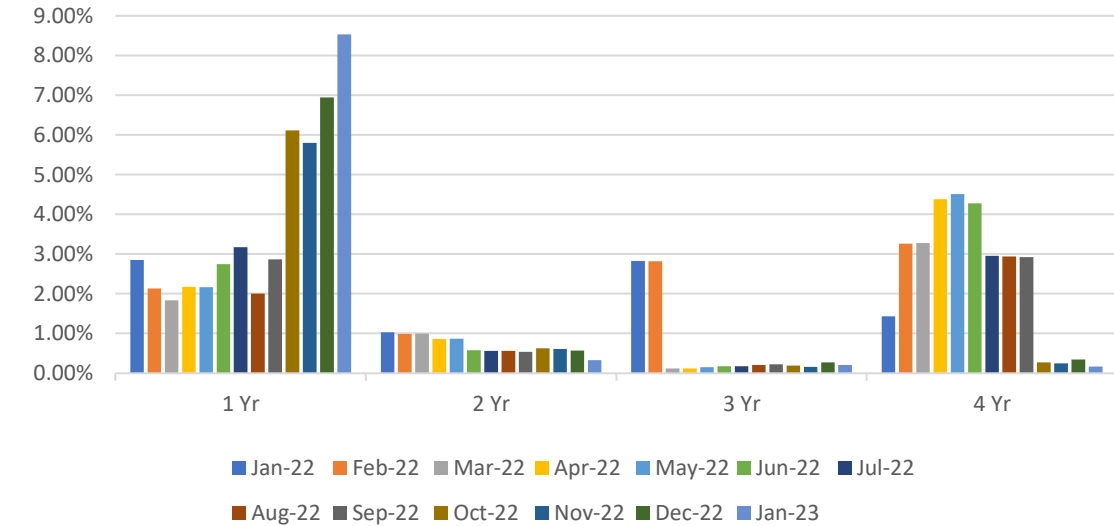
PC4 - EUC02



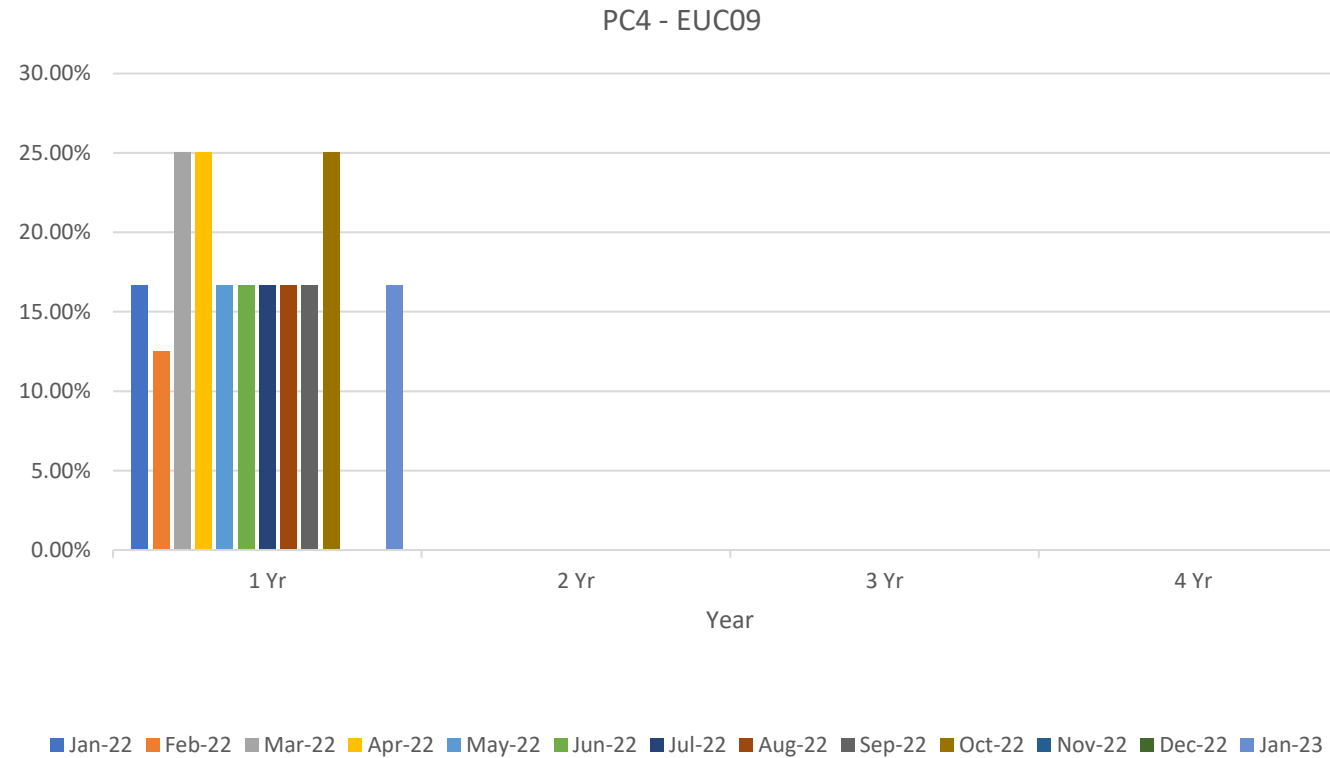
PC4 - EUC03



PC4 - EUC04



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





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

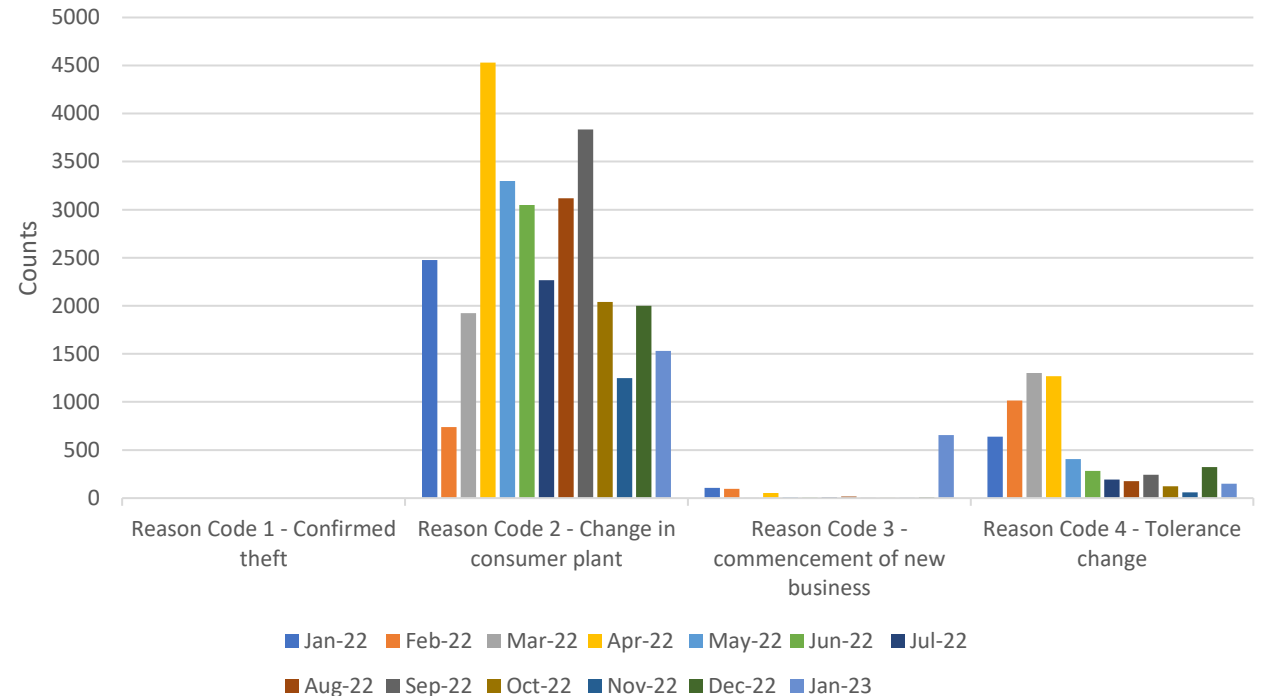
Reason Code 01- Confirmed Theft
No Monthly or Annual Change

Reason Code 02- Change in Consumer Plant
↓ 467 Monthly Change
↓ 944 Annual Change

Reason Code 03- Commencement of New Business Activity
↑ 648 Monthly Change
↑ 550 Annual Change

Reason Code 04- Tolerance Change
↓ 174 Monthly Change
↓ 488 Annual Change

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



Observations:

- A large spike was noticed in January 2023 in respect of AQ correction submissions with a reason code of '03' (Commencement of new business activity). This spike is largely due to the submission of 643 AQ corrections by the Shipper Brazzaville in the month of January 2023
- PAFA will continue to closely monitor this subject matter with due consideration to the development of modification of "Modification 0816S – Updates to AQ Correction Processes"

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

↓ 4 Monthly Change
↓ 63 Annual Change

EUC07

↓ 3 Monthly Change
↓ 5 Annual Change

EUC05

↑ 6 Monthly Change
↑ 37 Annual Change

EUC08

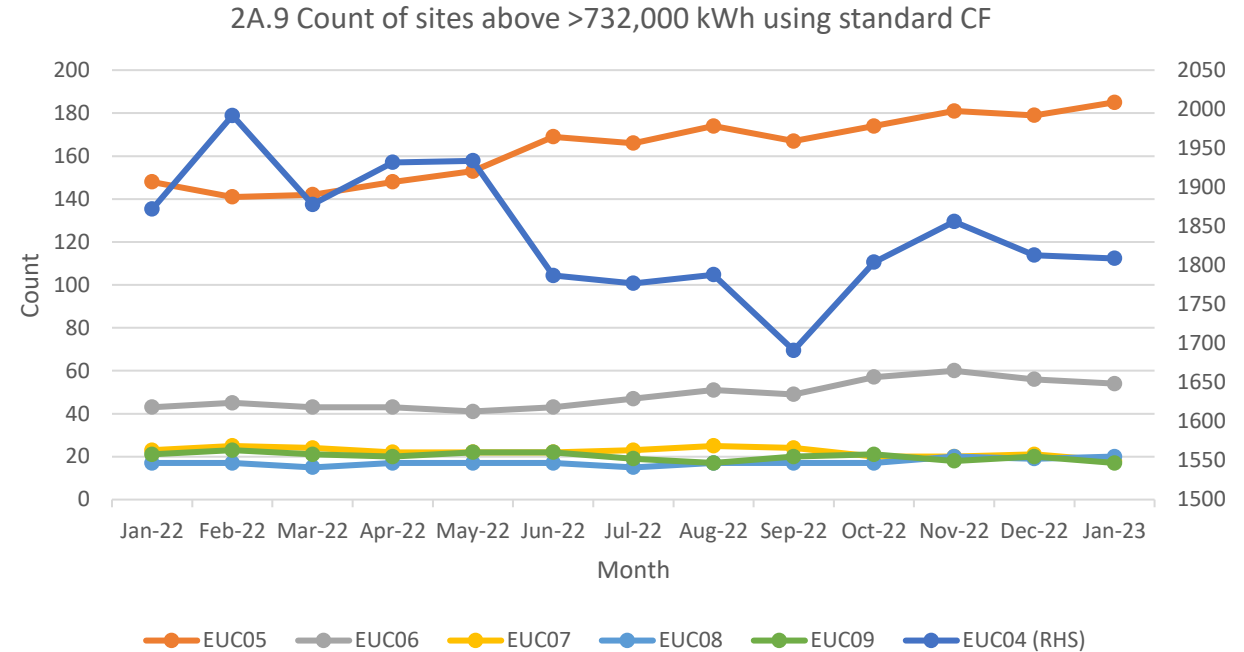
↑ 1 Monthly Change
↑ 3 Annual Change

EUC06

↓ 2 Monthly Change
↑ 11 Annual Change

EUC09

↓ 3 Monthly Change
↓ 4 Annual Change



Observations:

- EUC04 has averaged circa 1,800 SPs per month in the last calendar year
- PAFA is aware of the implementation of UNC681S and the impact of amendments undertaken by the CDSP to amend correction factor values where required
- PAFA will continue to monitor this subject matter accordingly

2A.10 REPLACED METER READ



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

EUC01

↓ 16955 Monthly Change
↓ 30797 Annual Change

EUC02

↑ 26 Monthly Change
↑ 260 Annual Change

EUC03

↑ 1 Monthly Change
↑ 54 Annual Change

EUC04

↑ 19 Monthly Change
↑ 64 Annual Change

EUC05

↑ 1 Monthly Change
↑ 10 Annual Change

EUC06

↓ 5 Monthly Change
↑ 1 Annual Change

EUC07

↑ 3 Monthly Change
No Annual Change

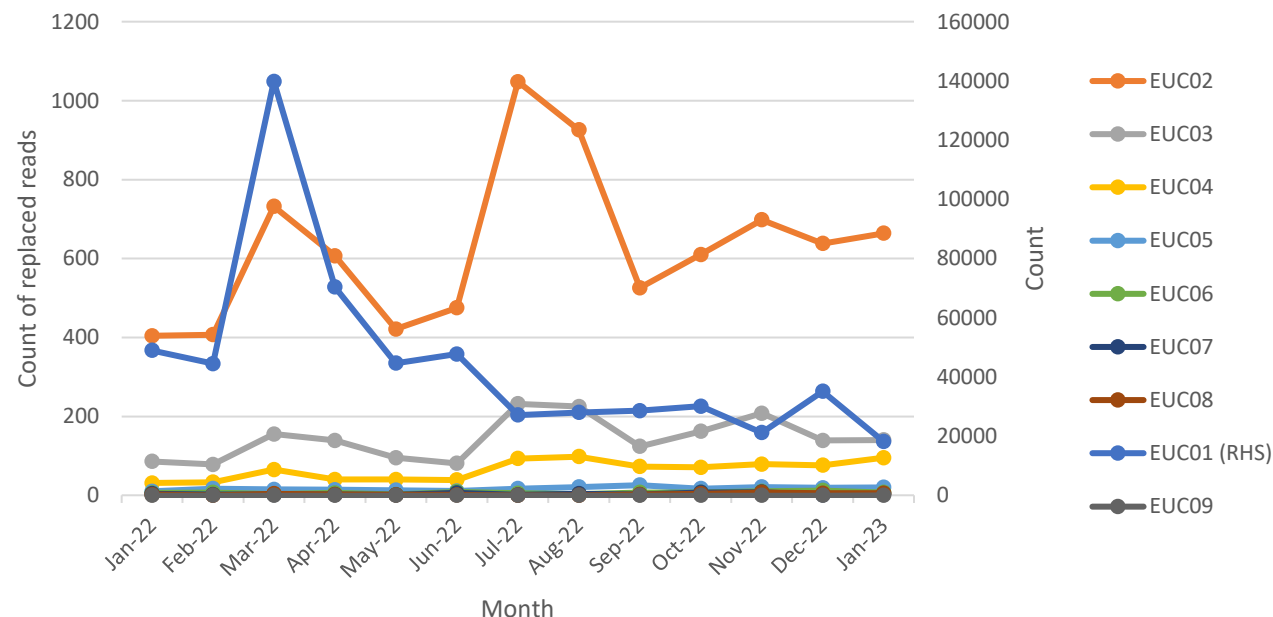
EUC08

No Monthly Change
↑ 3 Annual Change

EUC09

↑ 1 Monthly Change
↑ 1 Annual Change

2A.10 Count of meter reading replaced by EUC



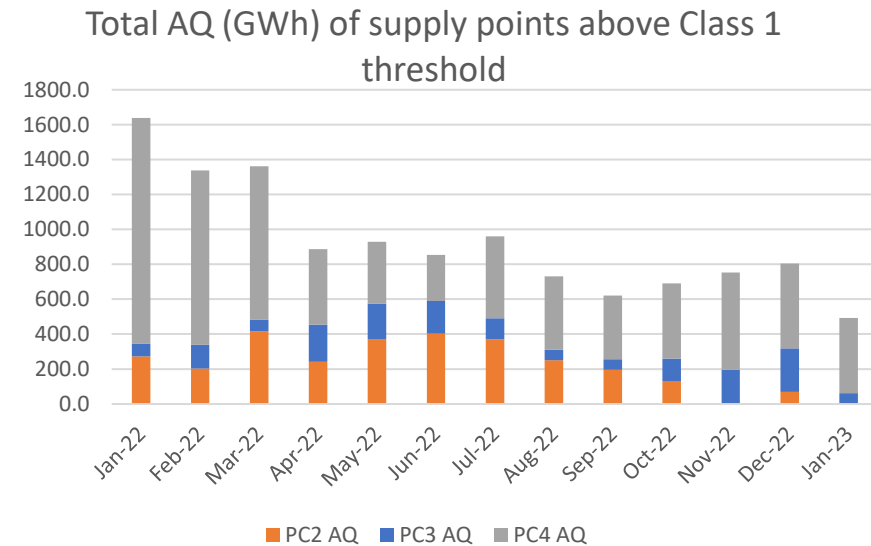
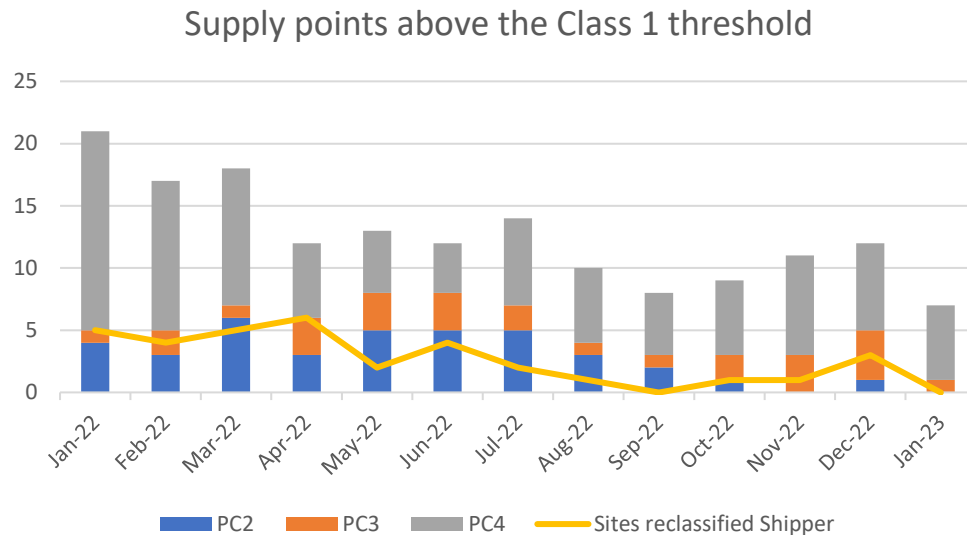
Observations:

- 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
- Volumes of meter reading replacements should not be generally viewed detrimentally as this activity would normally suggest a Shipper party is attempting to resolve issues with potentially erroneous meter readings previously submitted
- 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



Observations:

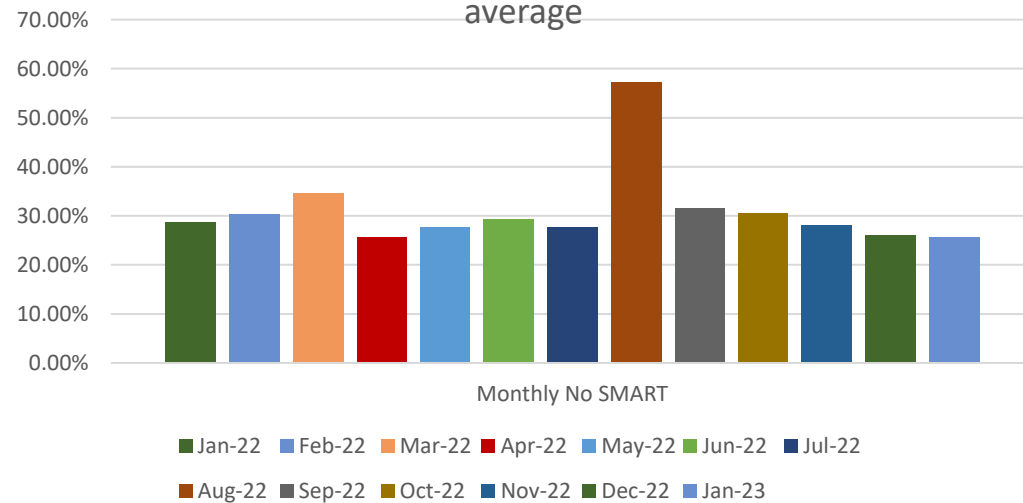
- The volume of SPs and associated GWh volume has generally decreased over the calendar year, January 2023 was also the first month since September 2022 whereby no SPs were reclassified by a registered Shipper party

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

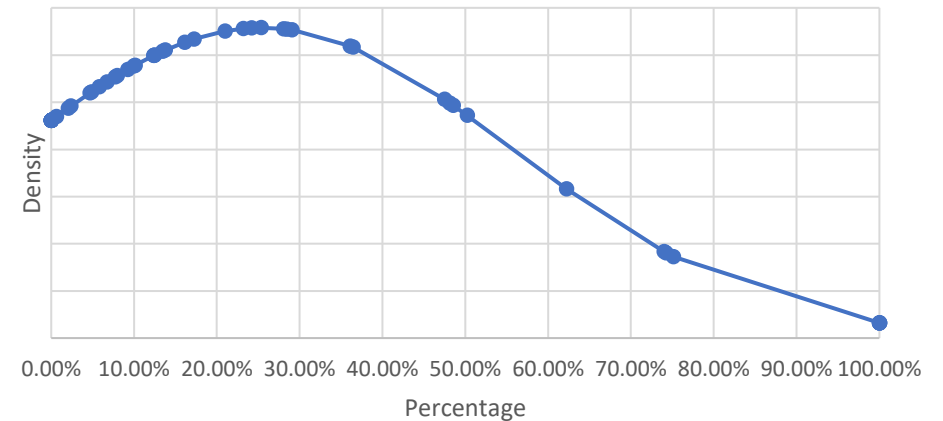


Report measures the percentage of PC4 monthly read performance at AQ level for sites without a SMART meter with an AQ >= 293,000 kWh

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:

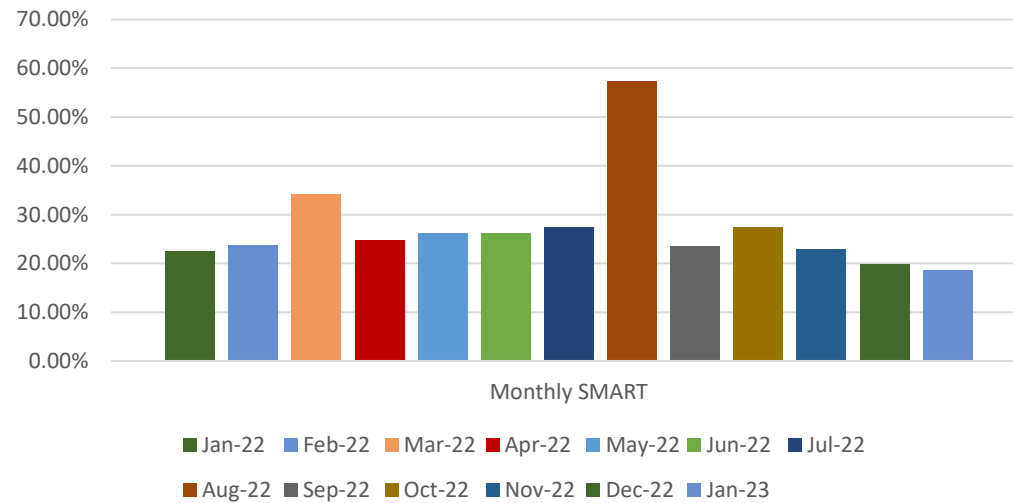
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis

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

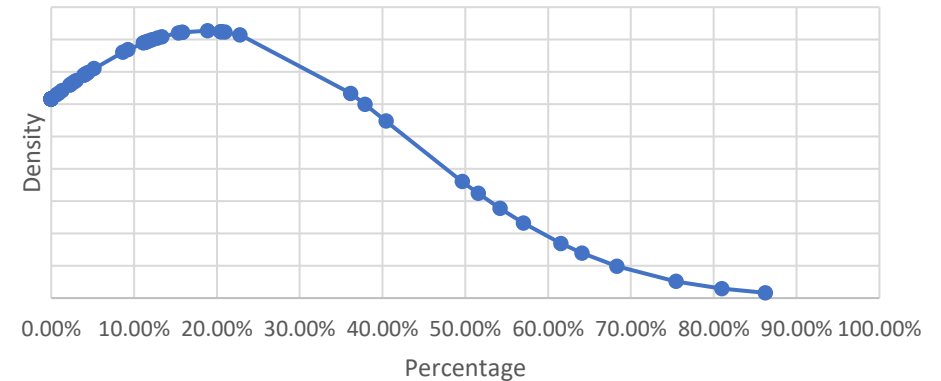


Report measures the percentage of PC4 monthly read performance at AQ level for sites with a SMART meter with an AQ $\geq 293,000$ kWh

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:

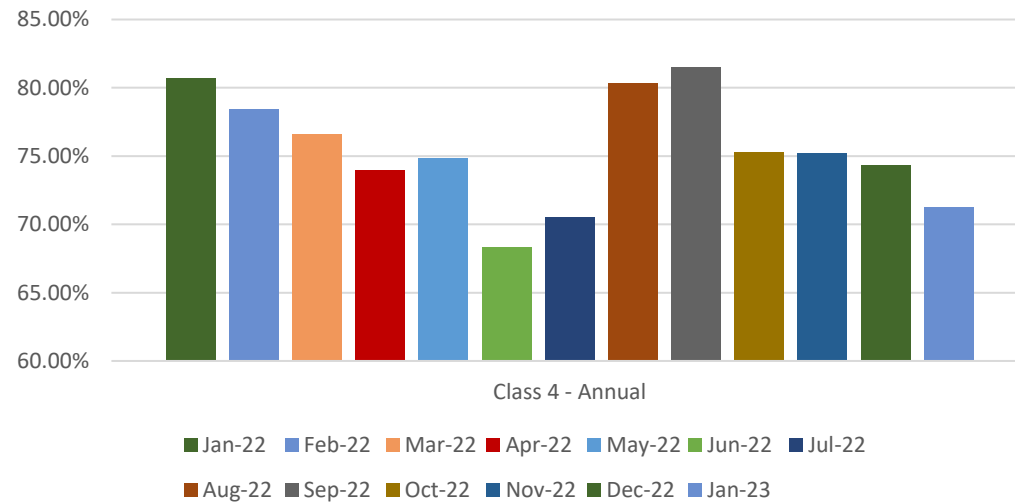
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis
- PAFA has been tasked with investigating potential root causes that are impacting upon smart meter reading performance levels. Work has begun in respect of this task and updates will be provided to PAC going forward.



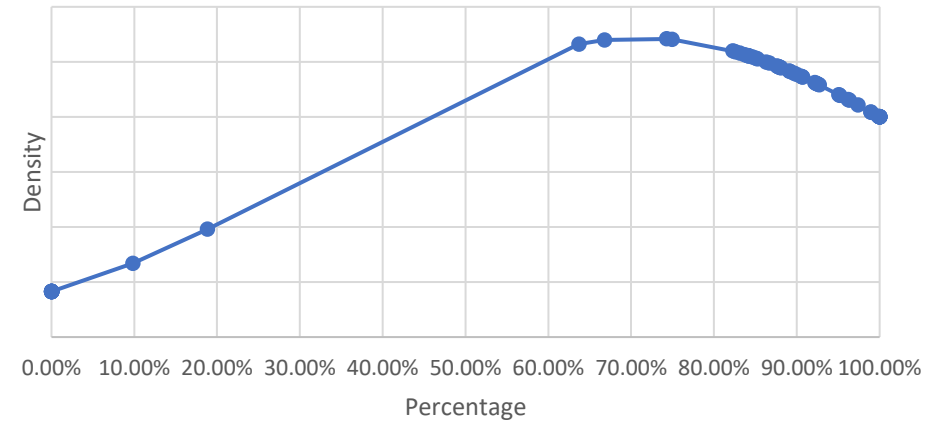
2A.12C AQ READ PERFORMANCE – PC4 ANNUAL

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:

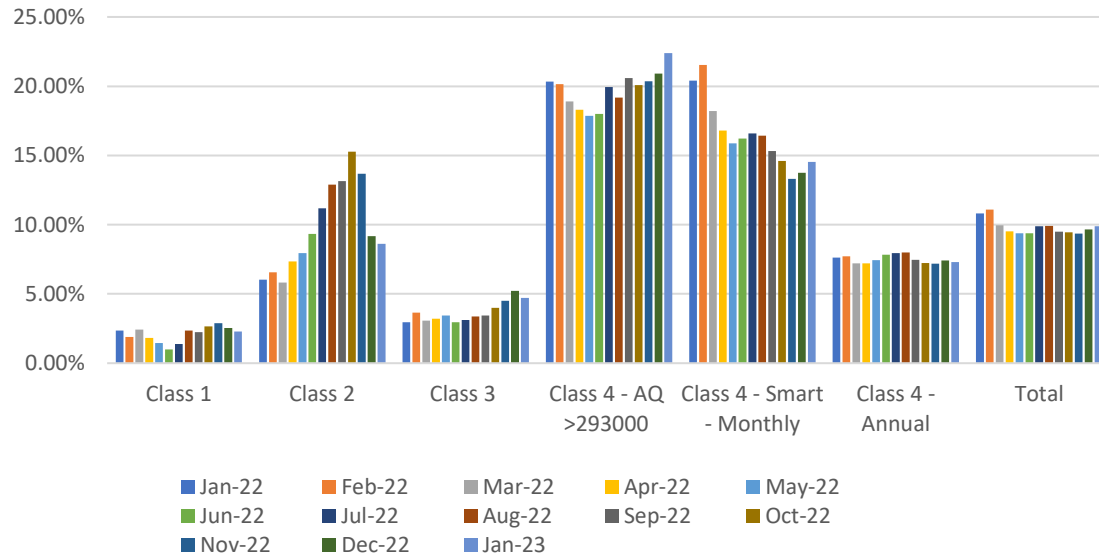
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis

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



Observations:

- PC4 remains the primary category whereby the AQ at Risk value is greatest – this is to be expected given the volume of SPs within this market sector

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

Product Class 1

Canberra **4.64%**
Thimphu **5.87%**
Valletta **9.72%**

Product Class 4 – AQ >293000 kWh

Gibraltar **100%**
Maputo **100%**
Tallinn **100%**

Product Class 2

Gitega **0.68%**
Abuja **26.77%**
Rome **27.76%**

Product Class 4 – Monthly SMART

12 Shippers **100%**

Product Class 3

Kampala **26.70%**
Avarua **100%**
Sarajevo **100%**

Product Class 4 - Annual

8 Shippers **100%**

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	January	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	January	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	January	M-1
2A.4	Shipper Transfer Read Performance	Shipper provided an opening meter read within D+10 of transfer of ownership	Total	Annual	Percentage	January	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	January/ December (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	January	M-1

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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	January	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	January	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	January	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	January	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	January	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	January	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	January	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	January	M-1



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