

AQ SUB-GROUP

- Group ran through the series of AQ reports, to understand the value of what is currently available.
- Noted that the reports on 2B.11 are the only reports that do not have an industry equivalent – however, there is a mirror report available in the UK Link secure area.
- Appetite to consolidate and link reports was discussed.
- AQ Calculation Failures felt more context needed on reasons.
- AQ Increases & Decreases debate about whether this report was still relevant with rolling AQ, consensus was potentially not. Also noted that current report does not show proportion of movement.
- AQ Corrections mod 736 and the additions to the report through XRN 4876 was discussed.
- Next steps: PAFA to look at how existing reporting can be linked, now and in the future; Xoserve to look into contextual information around AQ calculation failures.

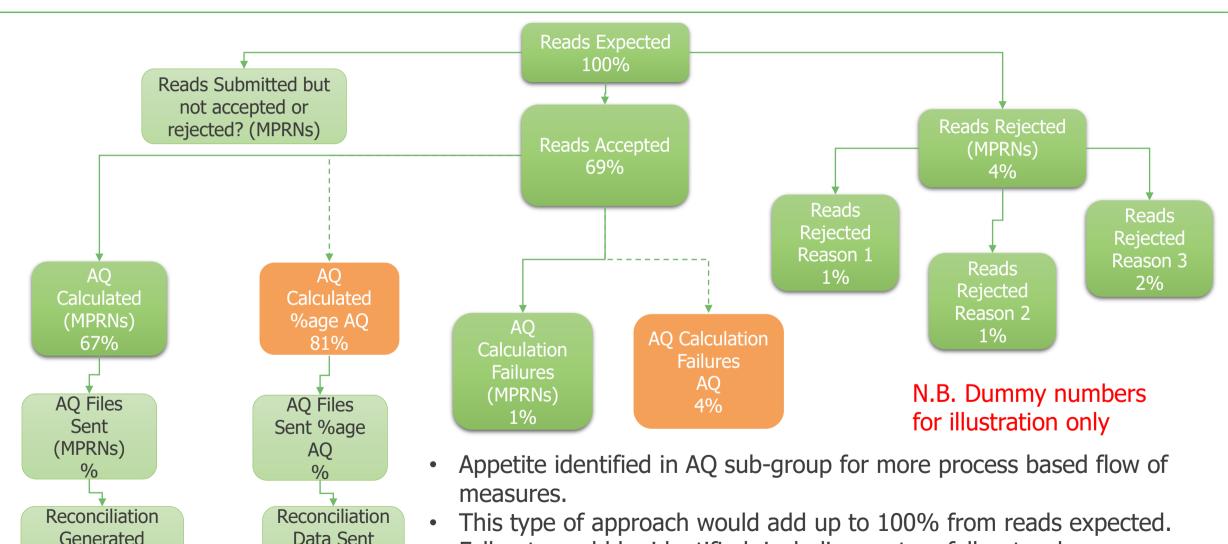


THEFT SUB-GROUP

- Fraser Mathieson of Electralink joined the group, once approval from SPAA Executive had been obtained. This allowed a review of the issue across codes.
- While the original scope of the group was to look at current reporting around theft, undetected theft was also discussed.
- The group looked at existing theft reporting in the UNC, and Fraser updated the group on the recommendations of the Joint Theft Reporting Review (JTRR) group, and how some of these were being brought forward through mod 734S.
- Key next steps:
- PAFA, Xoserve and Electralink to collaborate to bring theft reporting to PAC, as well as data for risk valuation.
- PAFA to liaise with REC to look at ways to promote theft detection across codes.
- PAFA to work with Electralink and Xoserve to ensure input into PARR reporting for mod 734S happens at most appropriate point.
- Xoserve to sample cleared theft cases so PAC can understand how quickly rolling AQs 'catch up' following confirmed theft (or whether AQ corrections are needed).



HIGH LEVEL VIEW OF A POTENTIAL BASIS FOR MORE INTUITIVE READ & AQ REPORTING (FOLLOWING AQ SUB-GROUP)



calculations not performed.

(MPRNs)

(MPRNs)

%

Fall outs could be identified, including system fall-outs where

AQ SUB-GROUP UPDATE: LINKS BETWEEN EXISTING PARR REPORTING

- There are different levels of core granularity across some reports that mean they don't always easily cross-reference.

 N.B. Numbers are based on high level.
- Greater linking of existing indicators can still provide insight.
- Work required to ensure calculations across measures 'flow'.

N.B. Numbers are based on high level industry totals for a single month, but uses for example averages across EUCs for some measures, so some caution advised. Their purpose for this slide is illustrative.

Category	PARR Report	PARR Number	Class 1	Class 2	Class 3	Class 4	Class 4 Monthly	Class 4 Annual	Class 4 Group 1 (Monthly >293,000)	Class 4 Group 2 (Monthly Smart/AMR <293000)	Class 4 Group 3 (Annual, <293000, cyclic read)	Not Class Specific
	Read Performance	2B.5	96.58%	75.16%	57.11%		45.50%	82.99%				
Recent Read	Estimated Reads	2B.1	3.34% (96.66%)	24.84% (75.16%)								
Recent Read	Meter Read Validity 1 - 7	2B.6	4.81%	8.30%	8.21%	14.46%						
	Shipper Transfer Read	2B.4										35.13%
	Mod 672 AQ Calculation	2B.15							46.76%	51.87%	86.41%	
	AQ Portfolio Calculation	2B.11a	83.99%	70.45%	84.49%		42.99%	35.14%				
	AQ Portfolio Increase	2B.11b	43.35%	24.66%	47.66%		34.47%	36.75%				
AQ	AQ Portfolio Decrease	2B.11c	43.20%	43.98%	25.83%		42.95%	40.21%				
	AQ Calculation Failures 1 - 5	2B.11h										151,267
	AQ Correction Reason Code 1 (Theft)	2B.8										1
	AQ Correction Reason Code 2 - 4	2B.8										2,872
	No Read 1 Year (by EUC)	2B.7	1.08% (98.92%)	8.55% (91.45%)	2.47% (97.53%)	9.78% (90.22%)						
	No Read 2 Years (by EUC)	2B.7	0.03% (99.97%)	4.89% (95.11%)	1.65% (98.35%)	3.14% (96.86%)						
Aged Read	No Read 3 Years (by EUC)	2B.7	0% (100%)	0% (100%)	0% (100%)	1.33% (98.67%)						
Aged Read	No Read 4 Years (by EUC)	2B.7	0.07% (99.93%)	1.03% (98.97%)	0.11% (99.89%)	3.68% (96.32%)						
	Replaced Meter Read	2B.10										26,392
	Check Reads	2B.1	109	400								
Motor agest /	No meter recorded	2B.3	0	0	153	90,125						
Meter asset / meter point	No meter recorded and data	2B.2	0	0	74	8,640						
meter point	Standard Correction Factor (by EUC)	2B.9										1,870

OPTIONS FOR MORE ACCESSIBLE PARR REPORTING

- Mock up below of what a more accessible PARR output report might look like.
- Could benefit PAC and industry, making performance clear and accessible to all.

N.B. Dummy numbers for illustration only

By Class and by month - 1, 2, 3, Class 4 agreed combination, tab per class

	Cı	urrent Rea	d	Current AQ					Additional	I AQ and read health				Aged Read							Asset and supply poir		point data
	Read Performance (Reads Accepted versus Expected)	Reads not submitted (calculation) Meter Read Validity E Reason Codes Read Performance (Re Accepted versus Expec			AQ Calculation Failures	AQ Calculated by AQ Percentage		Code 1 (Theft)	AQ Correction Reason	Code 2 - 4	Shipper Transfer Read		No Read 1 Year	No Read 2 Years	No Read 3 Years	No Read 4 Years	Replaced Meter Read (percentage of portfolio)	Check Reads not provided (versus required)		No meter recorded	No meter recorded and data	Standard Correction Factor	
								Count	Count %age energy		%age energy												
Shipper 1	75%	5%	20%	74%	1%	82%		1	2%	1,500	-4%	40%		95%	96%	97%	98%	0.20%	5%		0.50%	0.40%	50
Shipper 2	XX	XX	XX	XX	XX	XX		XX	XX	XX	XX	XX		XX	XX	XX	XX	XX	XX		XX	XX	XX
Shipper 3	XX	XX	XX	XX	XX	XX		XX	XX	XX	XX	XX		XX	XX	XX	XX	XX	XX		XX	XX	XX
Shipper 4	XX	XX	XX	XX	XX	XX		XX	XX	XX	XX	XX		XX	XX	XX	XX	XX	XX		XX	XX	XX
Shipper 5	XX	XX	XX	XX	XX	XX	<u> </u>	XX	XX	XX	XX	XX	l	XX	XX	XX	XX	XX	XX		XX	XX	XX



PARR REPORTS MAPPED TO RISKS

- Mapping of PARR reports to existing PAC risks shows monitoring not occurring for multiple risks.
- As the risk valuation work develops in the short term, options for PARR reports for other risks will likely be required.

PARR Report	Theft	Offtake errors	Bypass	JTRR 1 (Not all theft energy entering settlements)	JTRR 2 AQ Corrections and theft	Unregistered / shipperless	Est reads class 1 & 2	WAR Bands	Derived meter read drift	Meter readings fail validation	Read submission frequency (PC4)	No read line in the sand	Transfer Reads	Incorrect or missing meter asset data	AQ Corrections	Retrospective Updates	Incorrect use of standard CF above 732,000 kwh	Use of standard CF for sites consuming on or below 73,200 kwh	Incorrect use of bespoke CF below 732,000 kwh	Removal and/or non- replacement of correction equipment	Post New UK Link implementation reconciliations; pot 2	Understated AQs on 177,000 PC3 meters	Smart meter exchanges - Late meter exchanges involving smart meters	AMR data provision	Covid 19 Measures
Read Performance										X	X														
Read Performance Estimated Reads							X																		
Meter Read Validity 1 - 7		:	:							X				-			-			-					
No Read 1 - 4 Year												X													
Replaced Meter Read																X									
Mod 672 AQ Calculation											X														
AQ Portfolio Calculation				[X				[[[-		
AQ Portfolio Increase																									
AQ Portfolio Decrease																									
AQ Calculation Failure 1 - 5																									
AQ Correction Reason Code 1 - 4					X										Х										
Check Reads									X																
Shipper Transfer Read													X												
No meter recorded														X											
No meter recorded and data														X											
Standard Correction Factor																	X								
WAR Bands								X												1					
NDM Sample Data				<u> </u>																					



POTENTIAL WAYS FORWARD

- Link existing measures where possible in the short term.
- Is there a chance to rationalise and improve the PARR reporting as it migrates to DDP?
- Outputs should be standardised by core granularity, by class, for example.
- Underlying granularity to be retained and improved for PAC and PAFA insight.
- Chance to reconsider whether counts or percentages are best measure of each benchmark?
- Ensure calculations allow flow of information across measures (meter read validity for example).
- Totals required for each measure.
- Class 4 needs further consideration to standardise measures and obligations.
- Consider if PARR reports required for other settlement risks not currently covered.

