

Recent PAC Sub-Groups Update

14th December 2020



Gemserve

AQ SUB-GROUP

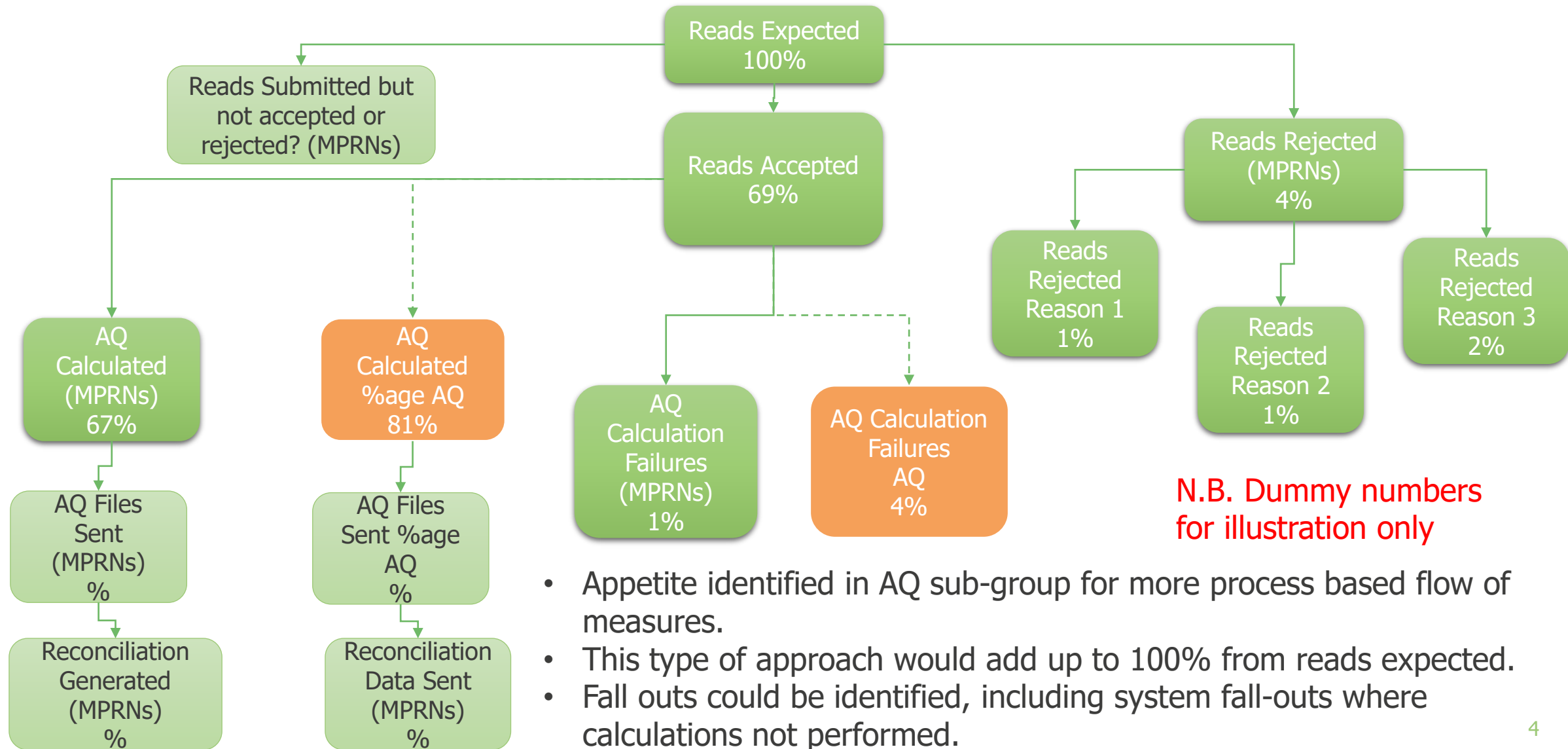
- Group ran through the series of AQ reports, to understand the value of what is currently available.
- Noted that the reports on 2B.11 are the only reports that do not have an industry equivalent – however, there is a mirror report available in the UK Link secure area.
- Appetite to consolidate and 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)



- Appetite identified in AQ sub-group for more process based flow of measures.
- This type of approach would add up to 100% from reads expected.
- Fall outs could be identified, including system fall-outs where calculations not performed.

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

	Current Read			Current AQ			Additional AQ and read health					Aged Read					Asset and supply point data			
	Read Performance (Reads Accepted versus Expected)	Meter Read Validity By Reason Codes	Reads not submitted (by calculation)	AQ Calculated by MPRNS	AQ Calculation Failures	AQ Calculated by AQ Percentage	AQ Correction Reason Code 1 (Thft)	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	%age energy	Count	%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	xx	xx	xx	xx	xx	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 AOs on 177,000 PC3 meters	Smart meter exchanges - Late meter exchanges involving smart meters	AMR data provision	Covid 19 Measures
Read Performance										X	X														
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										X										
Check Reads									X																
Shipper Transfer Read													X												
No meter recorded														X											
No meter recorded and data														X											
Standard Correction Factor																	X								
WAR Bands								X																	
NDM Sample Data																									

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.