

## PrA TPDs checklist (updated)

**Reporting period:** Year 26\_2 (Autumn-Winter 2022/23)

**Period of Operational Use:** Autumn-Winter 2022/23 (06/09/2022 – 31/03/2023)

Check	Results	Comments																																													
<b>Date of receipt</b>	Wednesday 22 June 2022	Within timeframes according to TPDs timetable																																													
<b>Data completeness (FF)</b>	Expected files: <ul style="list-style-type: none"> <li>• x6 .csv Regression data (PC 1, 2b, 2s, 3, 4b, 4s)</li> <li>• x6 .csv GAACs</li> <li>• x8 .csv Profile coefficients (PC 1 to 4s)</li> <li>• x48 .csv Algorithmic stretched coefficients</li> </ul>	We received all expected files																																													
<b>Data format (FF)</b>	All files in correct format.	No issues																																													
<b>Data completeness (NFF)</b>  <u>Record Count of:</u> <u>Regression Coefficients</u>	We received all expected files as shown below.  <b>Regressions</b> <table border="1"> <thead> <tr> <th></th><th>Actual</th><th>Expected</th></tr> </thead> <tbody> <tr> <td>Records</td><td>597552</td><td>597552</td></tr> <tr> <td>GSP</td><td>1400</td><td>1400</td></tr> <tr> <td>PFL</td><td>100</td><td>100</td></tr> <tr> <td>RES</td><td>2500</td><td>2500</td></tr> <tr> <td>COF</td><td>527600</td><td>527600</td></tr> <tr> <td>PER</td><td>65950</td><td>65950</td></tr> <tr> <td>ZHD</td><td>1</td><td>1</td></tr> <tr> <td>ZPT</td><td>1</td><td>1</td></tr> </tbody> </table> <b>Profile Coefficients</b> <table border="1"> <thead> <tr> <th></th><th>Actual</th><th>Expected</th></tr> </thead> <tbody> <tr> <td>ZHD</td><td>1</td><td>1</td></tr> <tr> <td>PFC</td><td>8</td><td>8</td></tr> <tr> <td>DPP</td><td>140160</td><td>140160</td></tr> <tr> <td>ZPT</td><td>1</td><td>1</td></tr> <tr> <td>Total</td><td>140170</td><td>140170</td></tr> </tbody> </table>		Actual	Expected	Records	597552	597552	GSP	1400	1400	PFL	100	100	RES	2500	2500	COF	527600	527600	PER	65950	65950	ZHD	1	1	ZPT	1	1		Actual	Expected	ZHD	1	1	PFC	8	8	DPP	140160	140160	ZPT	1	1	Total	140170	140170	No issues
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<b>Data format (NFF)</b>	All files in correct format.	No issues																																													
<b>SVAA Test Loading</b>	SVAA test loading results showed no issue for all GSP Groups.	No issues																																													

Check	Results	Comments																												
	There were 'warnings' for the GSP Groups _N and _P. However this was expected since the Scottish GSP Groups were not originally included, as they had their own profiles before BETTA.	SVAA Test load results received on 05/07/2022																												
Friendly (FF) vs Non-friendly (NFF) data comparisons	Basic Regression Coefficients are the same in both files.  14 Settlement Period stretch for Switched Load Profile Classes 2 and 4 also match.	No issues																												
Eval (new reg.) vs. GAD	Y26_2 regression data evaluated for 2021/22 Autumn to Winter (September 2021 to March 2022) and the outturn NET.  This evaluated demand is compared with GAD.  Comparisons indicate regressions look okay.	No issues																												
Y26_2 vs. Y25_2 evaluated regressions at 10-year average NETs for 2021/22	Y26_2 regression data compared to Y25_2 regression; comparisons indicate regressions look okay.	No issues																												
Data Analyst analysis for Y26_2 GADs	<table><tr><th>PC</th><th>Avg. Demand</th><th>Avg. Std. Error</th><th>Precision 2022/23</th></tr><tr><td>1</td><td>0.454772</td><td>0.0313</td><td>6.87%</td></tr><tr><td>2b</td><td>0.601503</td><td>0.05534</td><td>9.20%</td></tr><tr><td>2s</td><td></td><td></td><td></td></tr><tr><td>3</td><td>1.565742</td><td>0.083824</td><td>5.35%</td></tr><tr><td>4b</td><td>2.740415</td><td>0.1974</td><td>7.20%</td></tr><tr><td>4s</td><td></td><td></td><td></td></tr></table>	PC	Avg. Demand	Avg. Std. Error	Precision 2022/23	1	0.454772	0.0313	6.87%	2b	0.601503	0.05534	9.20%	2s				3	1.565742	0.083824	5.35%	4b	2.740415	0.1974	7.20%	4s				Table presented by Data Analyst at the last PEG meeting
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Evaluated algorithmic stretched coefficients all sum to same value per stretch	Differences in all Profile Class 2 stretches are inside tolerable limits.  Differences in all Profile Class 4 stretches are inside tolerable limits.	No issues																												
Group Average Annual Consumptions (GAACs)	The percentage ratios between the average GAACs and the average annual consumption per PC are 100%	Small differences (up to 0.3%) seen for some ratios																												

Check	Results			Comments
<b>Negative evaluation counts at long run average NETs +/- 10°F for an evaluated matrix of 365 x 48 values. (17,520 half-hourly evaluations)</b>	<b>Profile Class</b>	<b>HH Count + 10°F</b>	<b>HH Count - 10°F</b>	Small number of negative values on PC2s (Switch load)
	PC1	0	0	
	PC2b	0	0	
	PC2s	14	2	
	PC3	0	0	
	PC4b	0	0	
	PC4s	0	0	