APPENDIX B

This Appendix details the statistical methodology followed to identify the Investigation 691 exporters presently matched in the WERS database and how **only 467 of the 14,322 WERS-listed configurations within the 2.9 CPS, or 3.26%, are associated with exporters presently matched to Investigation 691.**

This is strongly relevant to the findings as the criteria to be able to claim this exemption from investigation findings would require both:

1. **A listing on the WERS database**
2. **That the listing to meet the 2.9 CPS test**

It allows the Commission to use a defined performance group that services a particular Australian Market segment against the transaction, pricing, tender and displacement evidence. It can then use that to assess if any material loss to the Australian Market is identified with this **high energy saving performance market segment**.

> **This could then better frame the final report and provide a stronger consolidated position for the Minister to consider rather than the current broad definition of AWD that is capturing imports that may not have materially contributed to the loss.**

B.1 Purpose and source data

Every figure can be recreated by applying the filters and Excel formulas set out below.

The source file, **wers-search-result (1).csv**, contains 61,294 records accessed on the 23/10/26 from the AGWA Public WERS database. The table below identifies each column used and explains its role in the analysis.

Column	Use
FrameMaterial	Keep only Aluminium and Thermally Broken Aluminium. Exclude every other material.
FrameType	Keep Window and Door records.
OperatingType	Exclude Curtain Wall. Keep Window Wall.
Uw	Use the recorded whole-window U-value to apply the threshold and prepare the charts.
Manufacturer	Match the clearly identified Investigation 691 exporters to their WERS manufacturer listings.
WindowId	Check record identifiers and source-file consistency.

B.2 Filters and Excel workings

The dataset was filtered to reflect the goods covered by the submission.

- Aluminium and thermally broken aluminium windows and doors were included.
- Window Wall was retained.
- Curtain Wall was excluded
- All other frame materials were excluded.

The recorded Uw values were used exactly as listed (X.X).

To recreate the analysis:

1. **Filter** FrameMaterial to Aluminium and Thermally Broken Aluminium,
2. **Filter** FrameType to Window and Door.
3. **Exclude** OperatingType = Curtain Wall. Retain Window Wall.
4. Apply the Excel formulas below to the remaining Uw values and compare the results with the audit totals in section B.6.

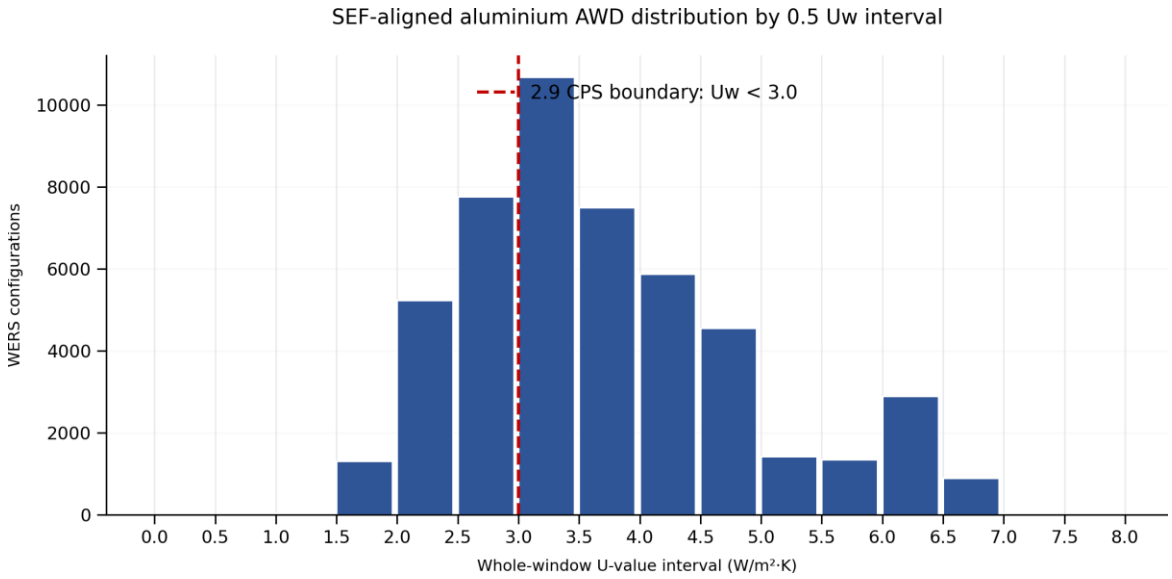
Note: "Uw_range" means the Uw cells remaining after the filters have been applied.

Count all filtered configurations: =COUNT(Uw_range)
Count configurations in the 2.9 CPS: =COUNTIF(Uw_range,"<=2.9")
Calculate the 2.9 CPS percentage: =COUNTIF(Uw_range,"<=2.9")/COUNT(Uw_range)
Count configurations at Uw 3.0 or above: =COUNTIF(Uw_range,">=3.0")
Count configurations from Uw 3.0 to 3.5 inclusive: =COUNTIFS(Uw_range,">=3.0",Uw_range,"<=3.5")
Count configurations at Uw 3.6 or above: =COUNTIF(Uw_range,">=3.6")

B.3 Results of Applying Filters

The total WERS listed results was 61,294, after the filters were applied it produced a total of **49,438** relevant configurations in the WERS database that matched the SEF broad definition of an AWD. The other results were then discarded.

B.4 Distribution of Total WERS results in 0.5Uw Intervals



14322 entries were ≤Uw 2.9 | 35,116 entries were ≥Uw 3.0

For readability, the graph uses grouped intervals, with values aggregated down to the nearest 0.5. The red dotted lines indicate the separation between database entries that passed the 2.9 CPS test and those that would be excluded by that test.

B.5 Results of Applying 2.9 CPS test

Category	Configurations	Percentage
2.9 CPS: Uw ≤2.9	14,322	28.97%
Uw ≥3.0	35,116	71.03%
TOTAL	49,438	100.00%

Out of the 49,438 entries that matched the broad definitions of AWD in the WERS database, **14,322 would pass the 2.9 CPS test.**

B.6 Investigation 691 cross-check

Award compared the Investigation 691 exporter names with the WERS Manufacturer column. Twelve clear manufacturer-level matches were found.

Nine of those 12 manufacturers had at least one configuration meeting the 2.9 CPS threshold.

Table B6.1 (below) shows the number of relevant WERS configurations listed by each matched manufacturer and how those configurations divide across the threshold.

For clarity, the threshold is shown as Uw ≤2.9 W/m²·K and Uw ≥3.0 W/m²·K. These two columns account for every relevant configuration at this stage of the analysis.

Table B6.1. Matched company's to Investigation 691 with a registration on WERS

Matched WERS manufacturer	Relevant WERS configurations	Uw ≤2.9	Uw ≥3.0
ROPO (ROP)	423	160	263
Green Life Window and Door Systems	244	94	150
Jolong Window and Door Systems (JLN)	181	74	107
Yantai Brightway Window Solutions Co., Ltd	168	74	94
Shanghai Superhouse Building Material	102	38	64
Meichen High Tech Industries	79	17	62
Shenzhen Hongtai Doors & Windows	39	7	32
Broad Windows & Doors & Curtain Wall System (ZBC)	34	2	32
Foshan Shunde EBA Aluminium W&D Industrial	19	0	19
Yantai Aosheng Windows and Doors (YAU)	11	1	10
Baron Window and Door Systems Technology	8	0	8
Hi Style Aluminium Windows & Doors	4	0	4
Total	**1,312**	**467**	**845**

Findings:

Measure	Result
Investigation 691 manufacturers clearly matched to WERS	12
Matched manufacturers with at least one 2.9 CPS configuration	9
Relevant configurations listed by the 12 matched manufacturers	1,312
2.9 CPS configurations listed by the matched manufacturers	467
Matched exporters' share of the WERS-listed 2.9 CPS	**467 / 14,322 = 3.26%**
2.9 CPS configurations listed by other WERS manufacturers	**13,855 / 14,322 = 96.74%**

B.7 Interpretation and limitations

- Each WERS row represents a listed product configuration available for sale. **It does not represent one sale or one imported unit.**
- The comparison counts configurations rather than manufacturers. **A manufacturer with a larger WERS product library will therefore contribute more records.**
- The analysis compares WERS-listed product configurations only. It does not seek to explain why a product achieves a particular U-value or that U-Values use in the market.
- The Investigation 691 comparison uses 12 clear manufacturer-name matches. Products listed under a distributor, related company or different trading name may not be captured.
- A WERS listing provides rated energy-performance information for the listed configuration. This Appendix does not rely on that listing as proof that every applicable Australian Standard has been met.

B.8 Audit totals

Recreation check	Expected result
Source records	61,294
SEF-aligned filtered population	49,438
2.9 CPS	14,322
Uw ≥3.0	35,116
Uw 3.0–3.5 inclusive	12,510
Uw ≥3.6	22,606
Matched Investigation 691 manufacturers	12
Matched manufacturers with qualifying configurations	9
Qualifying matched configurations	467
Matched-exporter share of 2.9 CPS	3.26%