

MOD_21_19
Loss Adjustment Factor
Application to
Interconnectors

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Application of Loss Adjustment Factor to variables relating to Interconnectors

- Mod aims to correct the Application of Combined Loss Adjustment Factor (CLAF) to variables relating to Interconnectors

➤ QAB/QAO (SO Trades)

- Should give consideration to overall IC flow direction (rather than just variable direction)
- QD used to determine import or export
- If $QD \geq 0$ then importing to pool; multiply QAB or QAO by CLAF
- If $QD < 0$ then exporting from pool; divide QAB or QAO by CLAF

If $QD_{uy} \geq 0$ then

$$QAOLF_{uy} = QAO_{uy} \times FCLAF_{ly}$$

$$QABLF_{uy} = QAB_{uy} \times FCLAF_{ly}$$

else

$$QAOLF_{uy} = \frac{QAO_{uy}}{FCLAF_{ly}}$$

$$QABLF_{uy} = \frac{QAB_{uy}}{FCLAF_{ly}}$$

Application of Loss Adjustment Factor to variables relating to Interconnectors

➤ Capacity Quantity (qC) for Interconnectors

- qC always reflects an import (i.e. capacity provided to the I-SEM)
- Negative quantities (such as secondary trading to remove exposure to capacity performance measures) represent a reduction in import
- Loss factor application should always be a multiplication by qC

$$XXXLF_{\gamma} = XXX_{\gamma} \times FCLAF_{\gamma}$$

Application of Loss Adjustment Factor to variables relating to Interconnectors

➤ Other variables

- For all other IC variables (other than QAO, QAB or qC)
- The variable quantities relate to a single value which indicates the direction of “flow”
- TSC F.4.3.3 addresses this correctly; Variable ≥ 0 then import; multiply by CLAF or Variable ≤ 0 ; divide by CLAF
- Modified wording –only to exclude the application of losses to the items set out above; qC and QAO/QAB for IC

If $XXX \geq 0$ then

$$XXXLF_{uy} = XXX_{uy} \times FCLAF_{ly}$$

else

$$XXXLF_{uy} = \frac{XXX_{uy}}{FCLAF_{ly}}$$

Summary

| Section | Loss-Adjusted Variable to be determined | Treatment | Change |
|---------|--|---|--|
| F.4.3.2 | Relates to a Generator (excludes IEU,IRCU) a Capacity Market Unit (excluding CMU related to IC) and Supplier Unit | Variable * FCLAF | to include CMU which wasn't specified before |
| F.4.3.3 | Relates to IC, IEU IRCU or a CMU related to IC, (excluding qC and QAB/QAO) | If Variable ≥ 0 then *FCLAF, else /FCLAF | to exclude qC and QAB/QAO which are now covered by F.4.3.4 and F.4.3.5 |
| F.4.3.4 | QAB and QAO related to an IRCU | If QD ≥ 0 then * FCLAF else /FCLAF | test against QD instead of direction of variable previously covered in F.4.3.3 |
| F.4.3.5 | qC which relates to a CMU related to an Interconnector | qC* FCLAF | always multiply rather than test direction of variable previously covered in F.4.3.3 |