1. Ausgrid Component Library & Assembly Library Nomenclature

Component Abbreviation or Name	Explanation
AG_	Ausgrid-developed component and/or assembly
T_	Timber component (crossarm or pole)
C_	Concrete pole
S_	Steel component (crossarm, brace or pole)
CF_	Composite Fibre component (crossarm) [1]
C or S	"Concrete Pole or Steel Pole"; shown this way when assemblies can be used on either concrete or steel poles as attachment types / heights / etc are identical
1W / 2W / 3W / 4W	One (1) wire, two (2) wire, three (3) wire, four (4) wire assembly types. These are the number of wires making up a particular feeder.
ARR-1	Arrangement 1; as referred to on Standard Construction drawings that offer multiple options.
DEG	Degrees; as the unit for angles, line deviation, etc.
DRG.	Drawing Number
PIN PATT.B / PIN PATT.C	Pattern ‘B’ or Pattern ‘C’ Insulator Pins. Refer to Ausgrid Drawing 49216
PFC	Parallel Flange Channel; often used as brackets or crossarms on standard constructions
S_RHS	Steel Rectangular Hollow Section; refers to tubular steel crossarms that have a rectangular cross-sectional shape, for example, a 150x100mm crossarm as shown on Drawing 514377 Sheet 2
S_SHS	Steel Square Hollow Section; refers to tubular steel crossarms or brackets that have a square cross-sectional shape, for example, a 100x100mm crossarm as shown on Drawing 514045.
SUSP.	Suspension insulator arrangement
THRU-TERM	Through-termination, for example, a 2-11 construction
TERMINATION	One-way conductor termination, for example, a 2-10 construction (also “TERM.”)
_+	This addition to an assembly name indicates a one-way termination version of a thru-termination assembly (mostly for vertical arrangements). This assembly can be used to create a tee-off addition to a thru-term or used simply as a termination.
TLV	Transverse (T), Longitudinal (L), Vertical (V); the three (3) planes of a 3D load vector.
XARM	Crossarm

[1] Future library updates may allow for composite fibre poles once their use is approved at Ausgrid

2. Examples of Ausgrid-developed assembly names and their meaning

Note: the drawing numbers for each assembly are shown in the "Notes" of the Assembly Editor.

Ausgrid-developed Assembly Name Example	Explanation
1-71 _ 25mm2 LVABC (Termination - 1W)	For Network Standard Construction named "**1-71**". Note: this assembly is built specifically for 25mm^2 LVABC. The assembly must match the LVABC conductor size due to the . The "**1W**" shows this is for single bundled conductor (either 2x25 or 4x25 LVABC). A twin-LVABC arrangement would show "**2W**".
2-1 _ CF_2406mm (Horizontal Pin – 3W)	Ausgrid-developed assembly for the Network Standard Construction named "**2-1**" (as per Drawing 513909). This assembly is built with a 2406mm Composite Fibre crossarm. The "**3W**" shows this is a 3-phase arrangement.
2-1 _ T_2700mm (Horizontal Pin – 3W)	As above, except this **2-1** assembly is built with a 2.7m timber crossarm
2-140_+ (Vertical Term - 3W)	One-way version of the standard construction **2-140** (thru-termination). Note the use of "**_+**" in the assembly name; refer to explanation on previous page).
5-240E (Vertical Thru w-OHEW - 3W)	Ausgrid-developed assembly for the Network Standard Construction **5-240E**. Note: As Neara requires the overhead earth wire built separately, the designer will need to add an OPGW assembly to the pole (see line below as an example).
AG_ OPGW SUSP. _ ARR-1 - RAISER BRACKET (1W)	Ausgrid-developed assembly for the Network Standard Construction "**OPGW Suspension – Arrangement #1**" mounted on a raiser bracket. The **"1W"** shows this assembly is for a single OPGW conductor.

3. Examples of Neara-developed assembly names

The assembly's name generally contains the words "DWG", "(Neara)", "Generic", or starts with "EW", "_SP". Neara created these assemblies during the digital-twin model build to match conductors to LiDAR points at a pole. However, these Neara assemblies must not be used as the components do not contain accurate engineering data. The assembly must be replaced with Ausgrid-developed assemblies during model verification, and prior to any structural assessments.

Neara-developed Assembly Name Example	Explanation
11kV 3w Pin (2700mm) offset DWG-175879	Do not use for structural assessments
EW 1w Susp x1.8 (Neara)	Do not use for structural assessments
2w Term Vert 100mm Generic	Do not use for structural assessments
EW 3Pole 1w Term _ _ +	Do not use for structural assessments
_SP Generic HV 3w 1P	Do not use for structural assessments