**Manual – using/reading Portuguese distribution networks**

**Diagram folders:**

The files are in the format (‘NetworkID’\_’Season’\_’typical day’), where:

*A – Autumn; S- Spring; Su – Summer; W – Winter*

*Bd – Business day; Sa – Saturday; Su - Sunday*

Example: Network2\_Su\_Sa -> Load diagram of the Network 2 for a typical Saturday of Summer.

When the network contains generators, the folder includes also this type of files:

(‘NetworkID’\_’Season’\_’typical day’\_GEN)

**Diagram files:**

For each diagram file (.xlsx):

* the column A refers to the node where the load/generator is connected
* the column B indicates if the values correspond to active (P) or reactive power (Q)
* The next columns (C to CT) include the power values for each period of 15 minutes of that specific day (96 periods in total). These values are expressed in kW/kvar.

**Network files:**

Each network has a Matpower snapshot (example: Network1.m)

If you have questions related with Matpower data format, I recommend you to check the manual of Matpower (in the link below), namely the Appendix B Data File Format - pages 148-153.

<https://matpower.org/docs/manual.pdf>