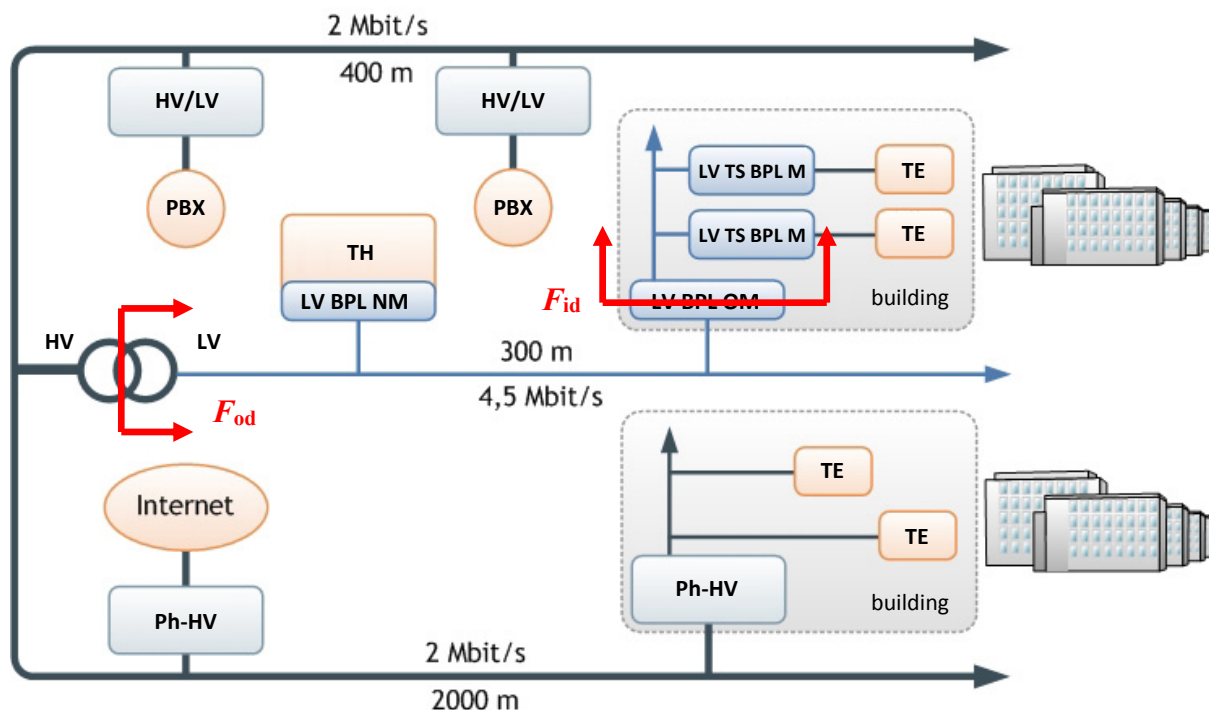


1. BPL topology. In the following figure, please, mark the occurrence of the following frequencies: F_{od} (Out Door) and F_{id} (In Door)



HV/LV	High-voltage transformer connected to the high voltage side of the transformer is launched to the BPL modem for telecommunication device
PBX	Private Branch Exchange
TH	Telecommunication headquarters
LV BPL NM	Low-Voltage BPL Network Modem
LV BPL OM	Low-Voltage BPL Object Modem
LV TS BPL M	Low-Voltage Terminal Subscriber BPL Modem
Ph-HV	High-voltage device connected to one phase of high voltage, launched to BPL modem for telecommunication device
HV	High Voltage
LV	Low Voltage
TE	Terminal Equipment



2. Modulation methods in BPL. Please, label particular modulation techniques shown in the figure. Put a tick symbol next to those modulations that are currently used in the PLC devices.

