

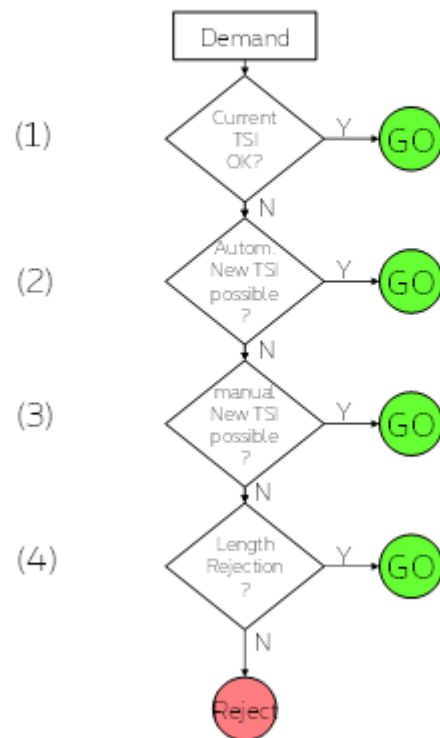


Proximus's Reference ULLOffer

# Annex Jf Shared Pair Pair Selection Process

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## Shared Pair Pair Selection Process



- (1) Automatic check if current technical situation (TSI) of the PSTN/ISDN line, on which the OLO asks Shared Pair (SP), can be used 'as such', i.e. fulfils all 'pair selection criteria'.  
**'pair selection criteria':**
  - **service availability:** the service (Shared Pair) is possible at the concerned MDF.
  - **pair continuity:** a full metallic pair exists between MDF and end customer
  - **pair position in the cable:** application of pair selection rules
  - **service compatibility:** Shared pair is only possible on simple PSTN/ISDN lines
  - **length:** criteria of length as defined by PXS to ensure QoS
- (2) Automatic search for a new technical situation (TSI), that fulfils all pair 'selection criteria' (see above) and can be realised by intervention of an electrician, i.e. by re-jumpering of the concerned end customer pair in a distribution frame (either in Customer Premises, street cabinet, LDC, MDF).
- (3) The automatic pair selection processes may have either not been possible or did not succeed.
  - Not possible: when an infrastructure project work (e.g. due to road works, network extension, ...) is ongoing on a cable, KVD,... the automatic pair selection process is blocked and pairs can only be assigned by the (local) Network Planning Services, responsible for these works
  - Not succeeded: When the (simple) rules of the automated pair selection process were not able to cope with the network complexity, a manual assignment is tried, using the same principles for pair selection as in the automatic case (see (1) & (2)).Remark: Extra manpower and process time is needed, which may be several days, when (local) Network Planning Services need to intervene.
- (4) If only reason for reject is line length, this rejection will be overruled.

#### Details of current pair selection criteria for Shared Pair:

- 1) Service availability:
  - OLO has SP facilities at the concerned MDF and a free, appropriate (PSTN or ISDN) splitter position is transferred to PXS.
- 2) Pair continuity:
  - No Pair Gain System or filter (for 1+1) on the line, neither loading coils
  - no bridged taps
- 3) Pair position in the cable:
  - No HS Transmission line(2Mbit) in same quad or in quad +1/-1
- 4) Service compatibility, e.g.:
  - No 16kHz taxation pulse on the line
  - No DOVE line
  - No pay-phone infrastructure on this line
  - TSI is not a service-line
  - Only on single telephony line (no PBX, MSN number, DID, maintenance line, ...) – no reserved positions in TSI (i.e. other demand ongoing)
- 5) Length check:
  - normal PXS rules will be overruled by step (4)

General remark:

The automatic part of the process is currently being implemented.