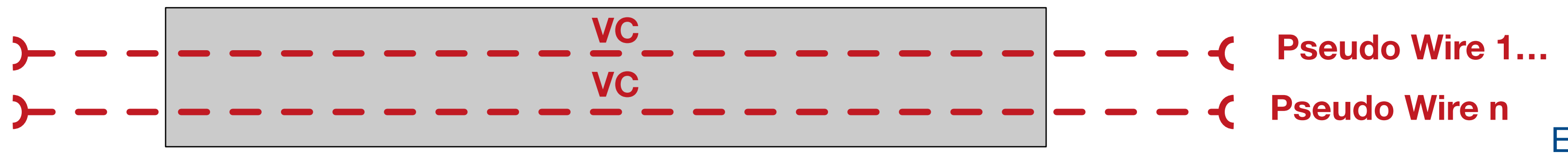
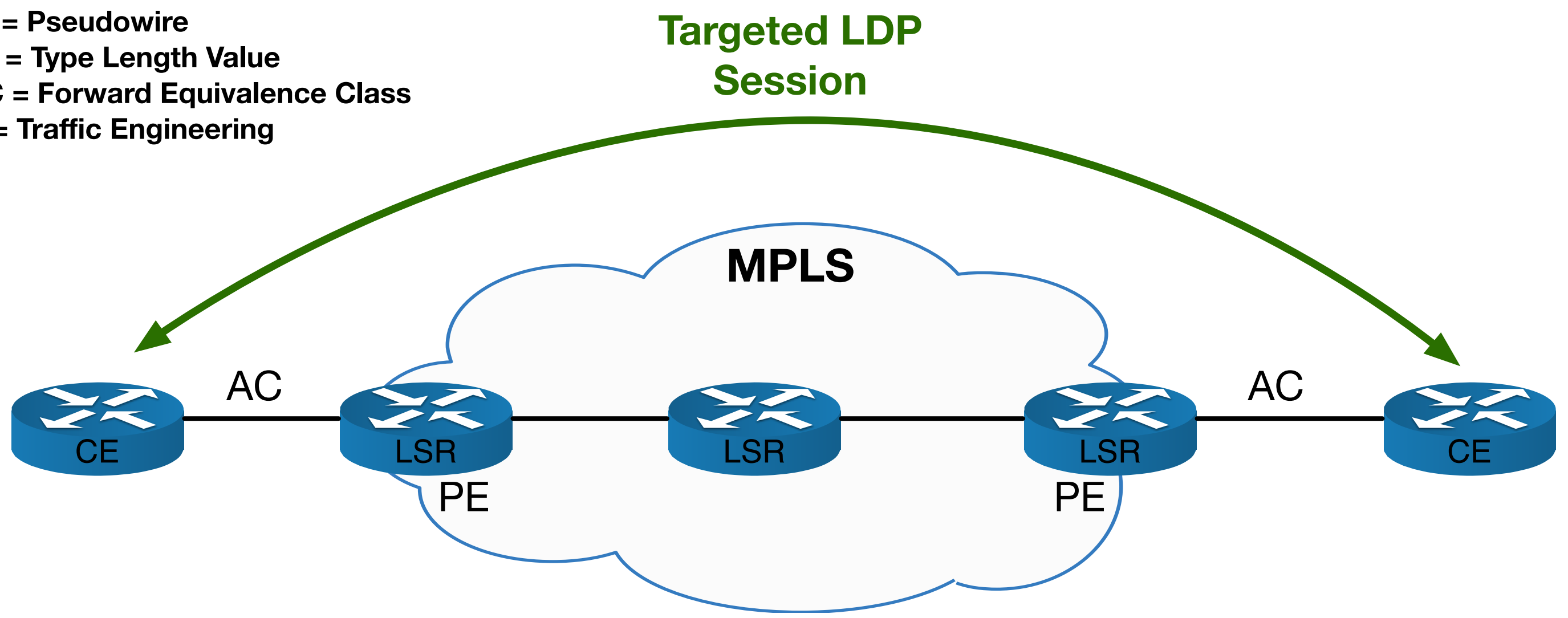




Acronyms
 LDP = Label Distribution Protocol
 AC = Attachment Circuit
 PE = Provider Edge
 LSR = Label Switched Router
 VC = Virtual Circuit
 PW = Pseudowire
 TLV = Type Length Value
 FEC = Forward Equivalence Class
 TE = Traffic Engineering

TUNNEL LABEL Communicated via standard LDP/TE
 L2 FRAME Communicated via targeted LDP Session
 VC LABEL



Packet switched network is just a label switch path between the two PE routers

LABEL MAPPING MESSAGE

PW ID FEC TLV

Part	Meaning
C-bit	1 = control word is used
PW Type	Type of pseudowire (Ethernet, Frame Relay etc...)
Group ID	All Acs on same interface are in the same group
PW ID	Identifies the pseudo wire (VC ID)
Interface Parameters	Need to match to form PW. MTU of CE facing port, requested VLAN ID etc

Label Mapping TLV

Used by LDP to Advertise VC Label

Each Label Switched Path is unidirectional - it will only form if it is up in both directions - determined by looking at PW ID FEC TLV
 Each pseudowire (represented by a VC/PW Label) maps to an AC.
 Signalling of the pseudowire is done using *label withdrawals* or *PW Status TLVs* (PW Status TLVs allow for signalling of more than just the down state)