Common WAN Handoff – Type 1

Single drop to DIR:
Trunked circuit carrying
both voice and data VLAN's

DIR

DIR sends voice
traffic over same
circuit as data traffic

L3 switch breaks off VLAN for
voice traffic

Voice traffic

Customer network
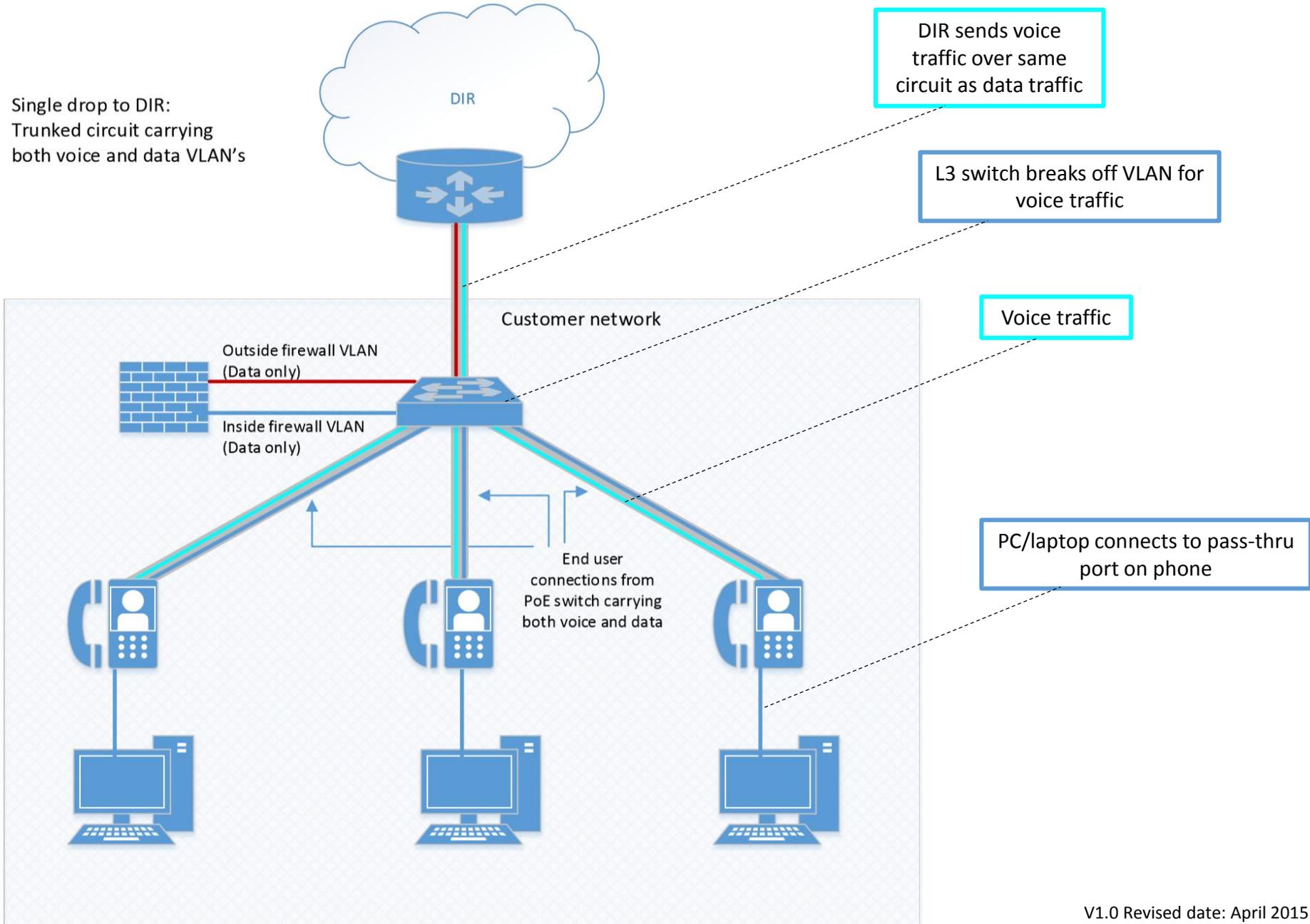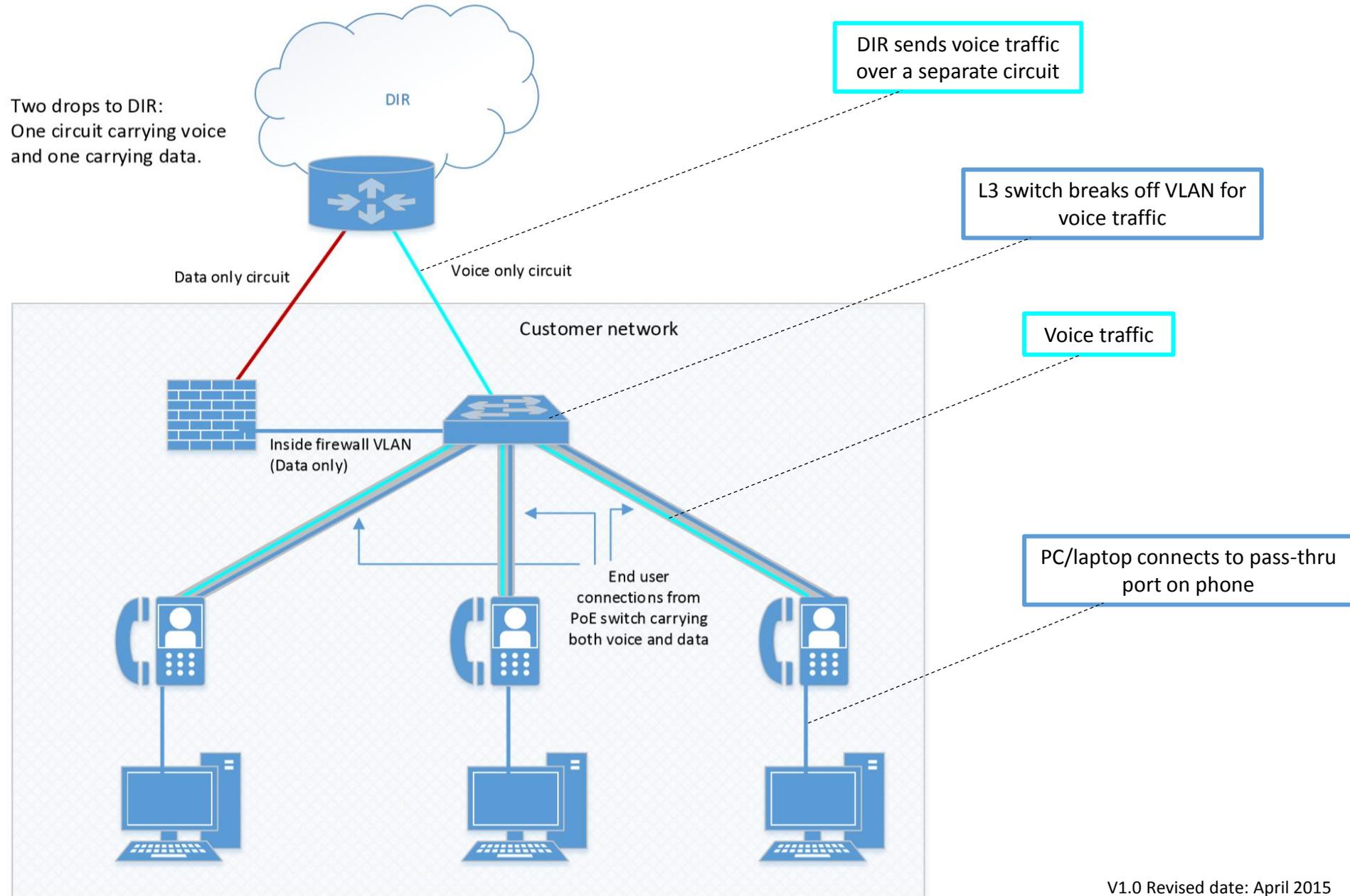
Comments:
- DIR network is a closed network for voice traffic
- Expect MRC cost to support bandwidth request to support voice
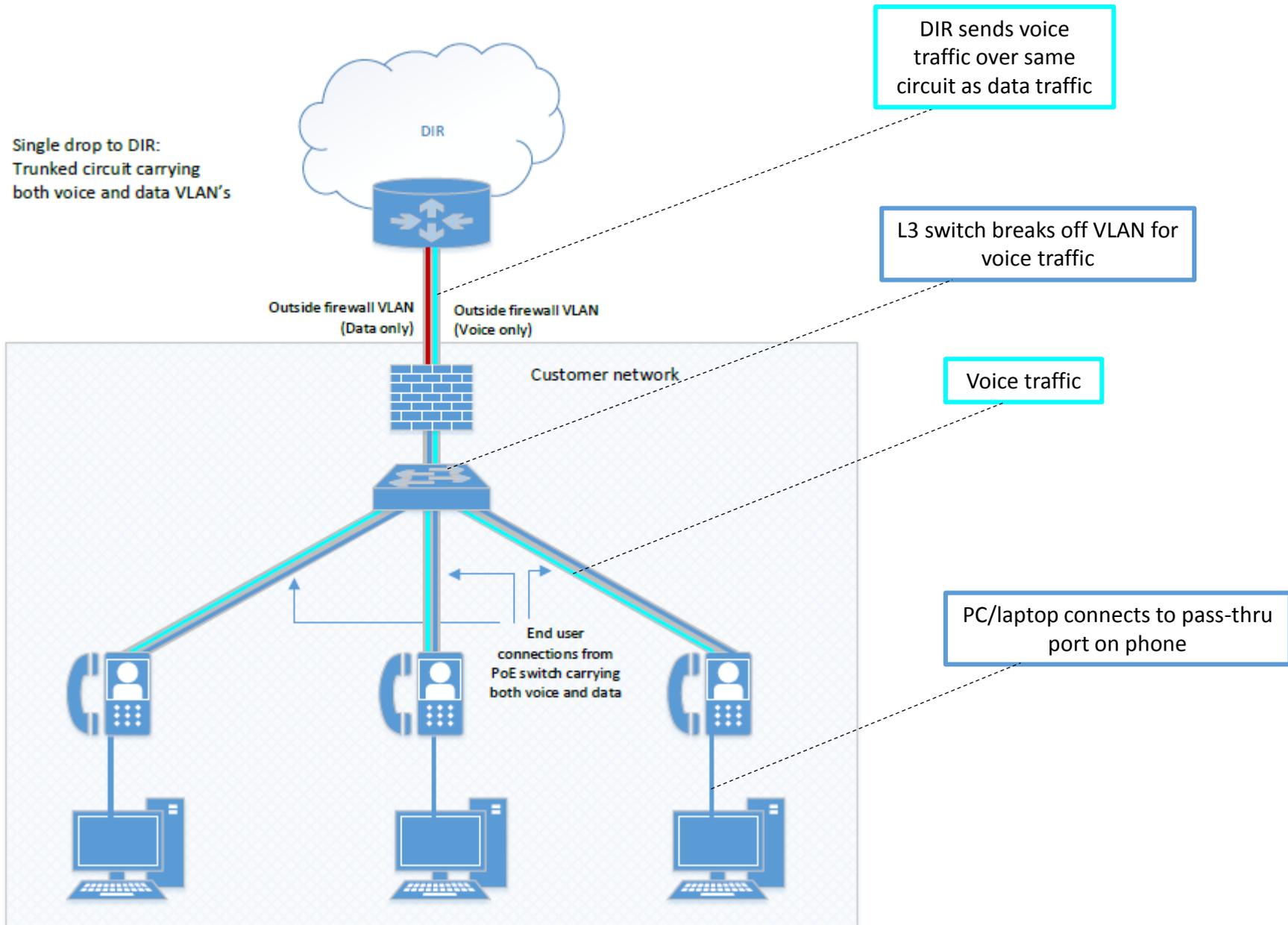- Voice bandwidth is dedicate

Outside firewall VLAN
(Data only)

Inside firewall VLAN
(Data only)

End user
connections from
PoE switch carrying
both voice and data

PC/laptop connects to pass-thru
port on phone

V1.0 Revised date: April 2015

Common WAN Handoff – Type 2

Two drops to DIR:
One circuit carrying voice
and one carrying data.

DIR

Data only circuit

Voice only circuit

Customer network

Comments:
- DIR network is a secure closed network for voice traffic
- Expect MRC costs to support bandwidth request to support voice
- Voice bandwidth is dedicate
- Does fiber exist today to accommodate a separate voice circuit?
   - If not expect NRC $ for fiber run

Inside firewall VLAN
(Data only)

End user
connections from
PoE switch carrying
both voice and data

DIR sends voice traffic over a separate circuit

L3 switch breaks off VLAN for voice traffic

Voice traffic

PC/laptop connects to pass-thru port on phone

V1.0 Revised date: April 2015

Common WAN Handoff – Type 3 (FW)

DIR sends voice traffic over same circuit as data traffic

L3 switch breaks off VLAN for voice traffic

Voice traffic

PC/laptop connects to pass-thru port on phone

DIR

Single drop to DIR:
Trunked circuit carrying both voice and data VLAN's

Outside firewall VLAN (Data only)

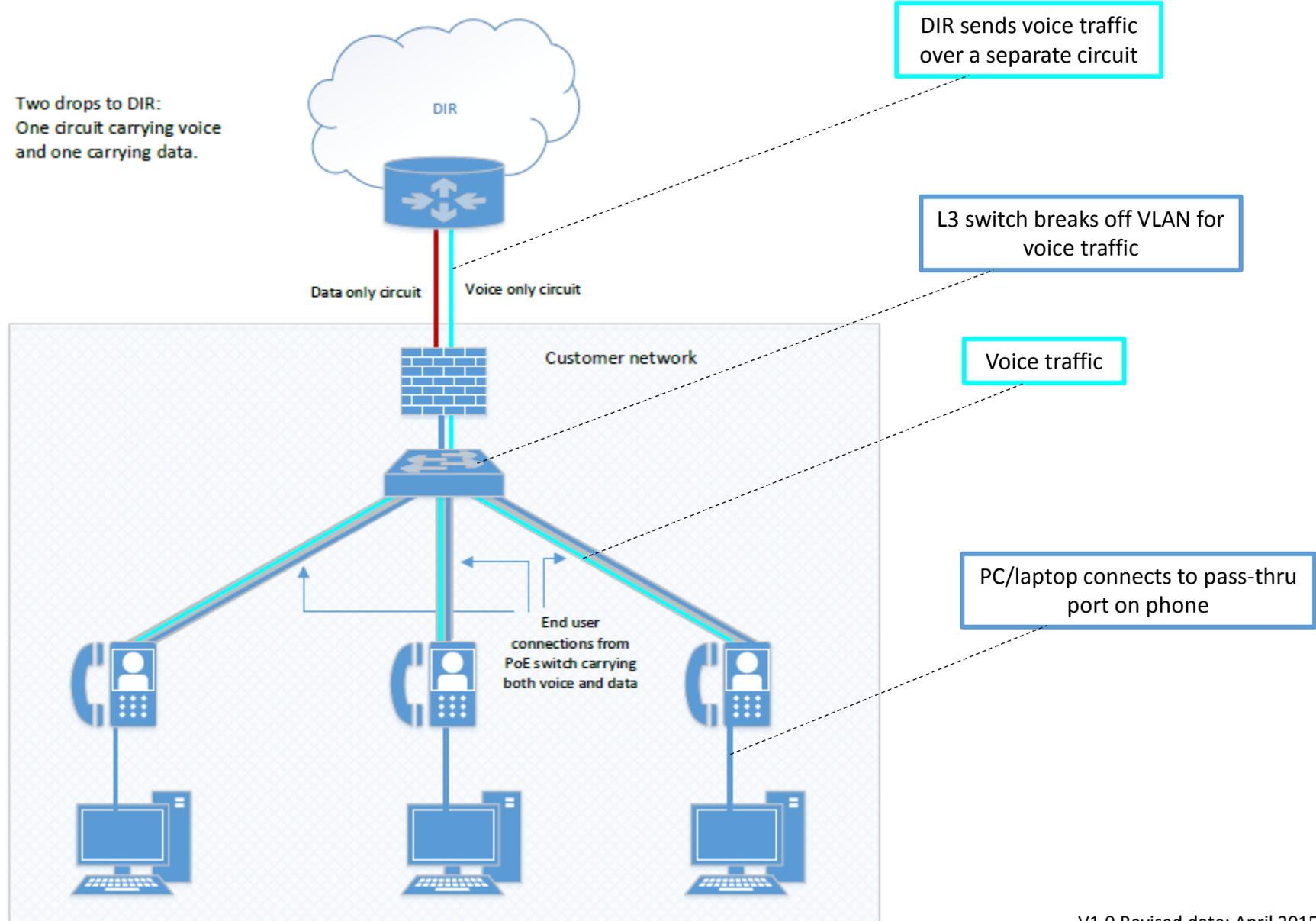Outside firewall VLAN (Voice only)

Customer network

Comments:
- FW only passes voice traffic thru to L3 switch
- DIR network is a secure closed network for voice traffic
- Expect MRC costs to support bandwidth request to support voice
- Voice bandwidth is dedicate
- Does fiber exist today to accommodate a separate voice circuit?
  - If not expect NRC $ for fiber run

End user connections from PoE switch carrying both voice and data

V1.0 Revised date: April 2015

Common WAN Handoff – Type 4 (FW)

DIR sends voice traffic over a separate circuit

Two drops to DIR:
One circuit carrying voice and one carrying data.

DIR

L3 switch breaks off VLAN for voice traffic

Data only circuit   Voice only circuit

Comments:
- FW only passes voice traffic thru to L3 switch
- DIR network is a secure closed network for voice traffic
- Expect MRC costs to support bandwidth request to support voice
- Voice bandwidth is dedicate
- Does fiber exist today to accommodate a separate voice circuit?
    - If not expect NRC $ for fiber run

Customer network

Voice traffic

PC/laptop connects to pass-thru port on phone

End user connections from PoE switch carrying both voice and data

V1.0 Revised date: April 2015