MICE
Mobility with ICE

draft-wing-mmusic-ice-mobility-03

IETF86

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Changes from -01 to -03

➤ **Break Before Make**

    ➤ **Absence of other interfaces in Valid list**

    ➤ **Presence of other interfaces in Valid list – Moved to Appendix**

    ➤ **Keeping unused relayed candidates active**

➤ **Make Before Break**
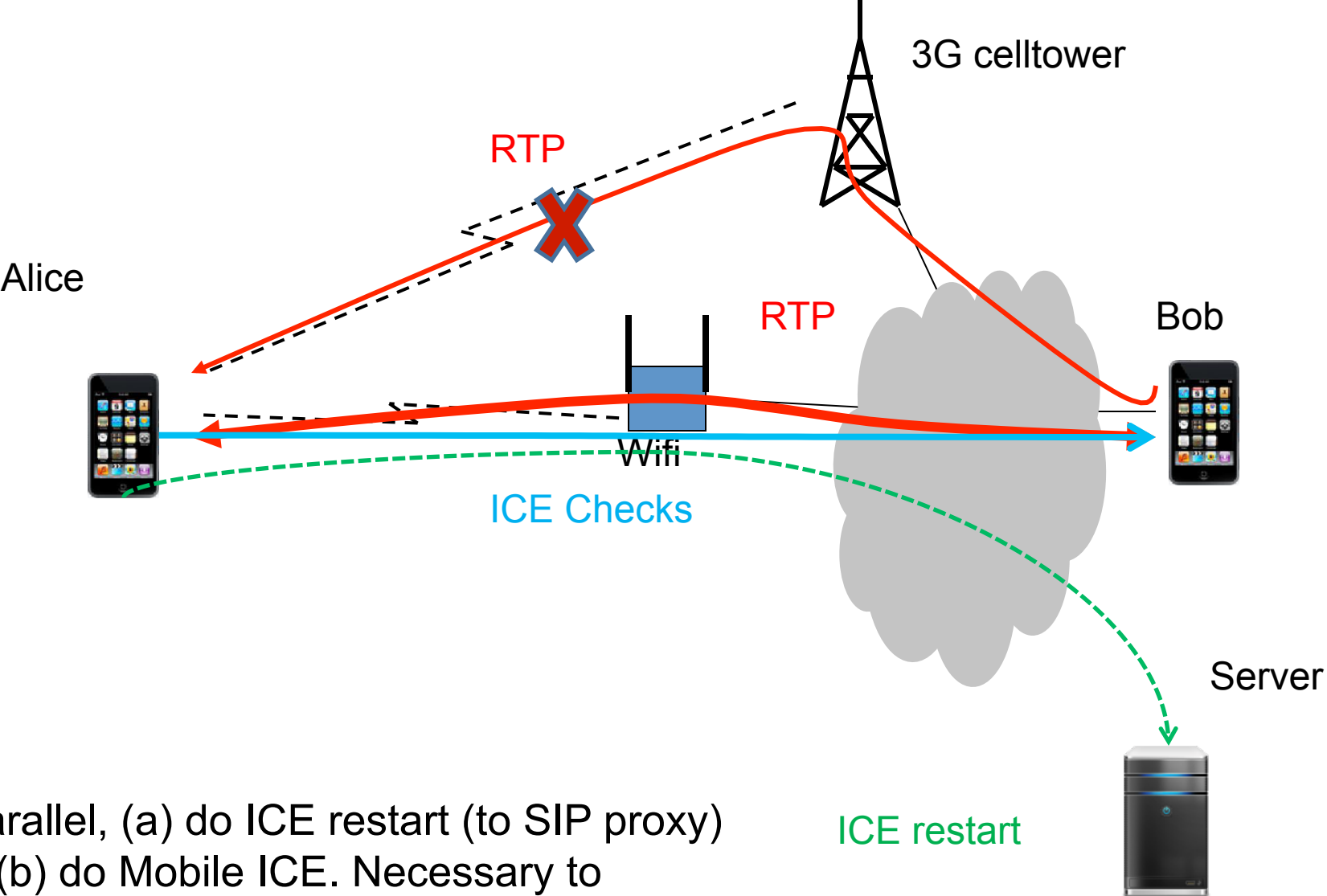
Other comments Addressed

- **To handle Simultaneous Mobility – Keep unused relayed candidates active which also solves the problem of remote peer behind Address-Dependent filtering NAT.**

- **In parallel, do ICE restart and Mobile ICE.**

- **All comments addressed for "Mobility using TURN".**

CONSIDER WG ADOPTION

BACKUP

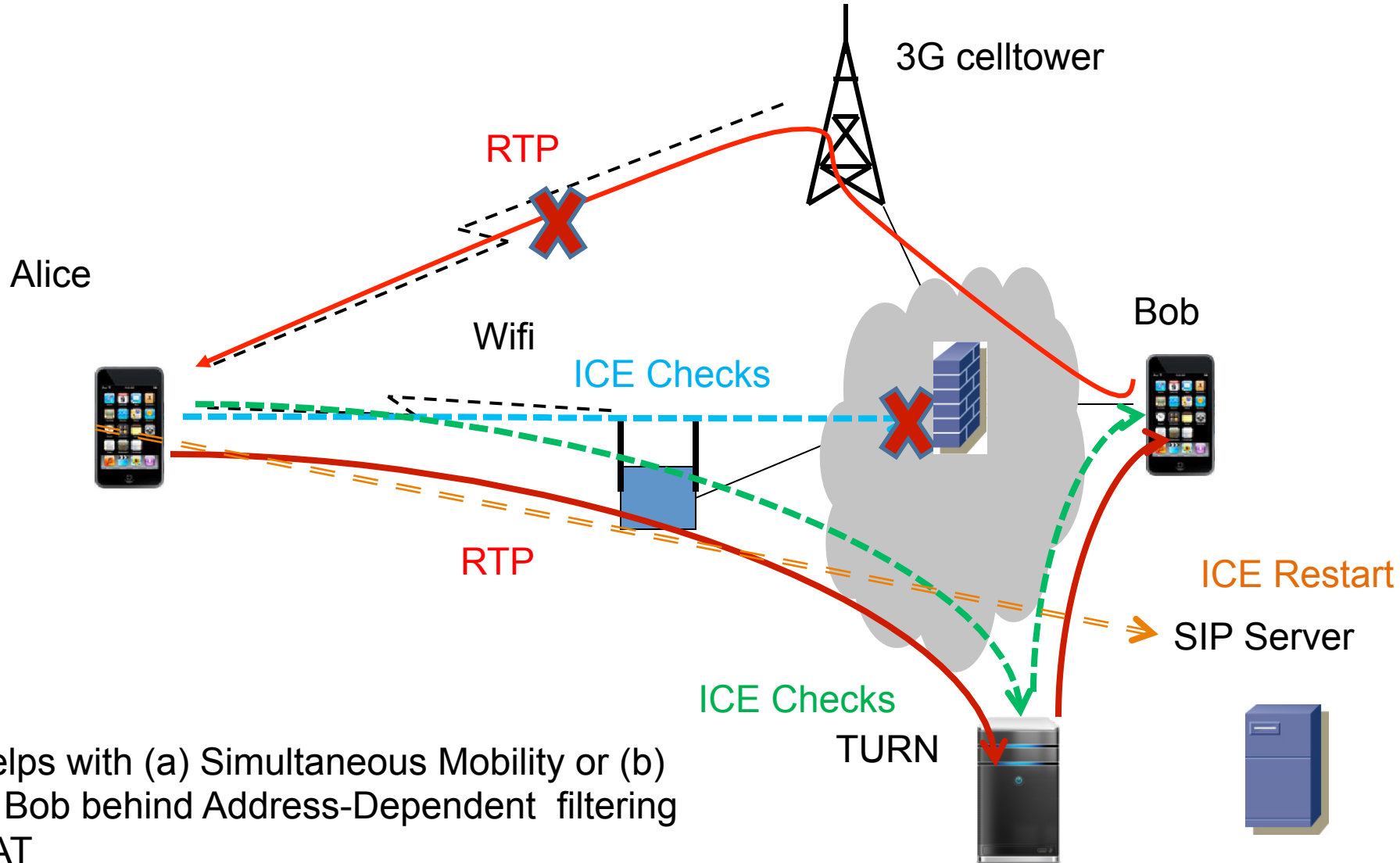# Absence of other interfaces in Valid list

Break Before Make - Absence of other interfaces in Valid list

3G celltower

RTP

RTP

Alice

Bob

Wifi

ICE Checks

Server

In parallel, (a) do ICE restart (to SIP proxy) and (b) do Mobile ICE. Necessary to accommodate simultaneous mobility.
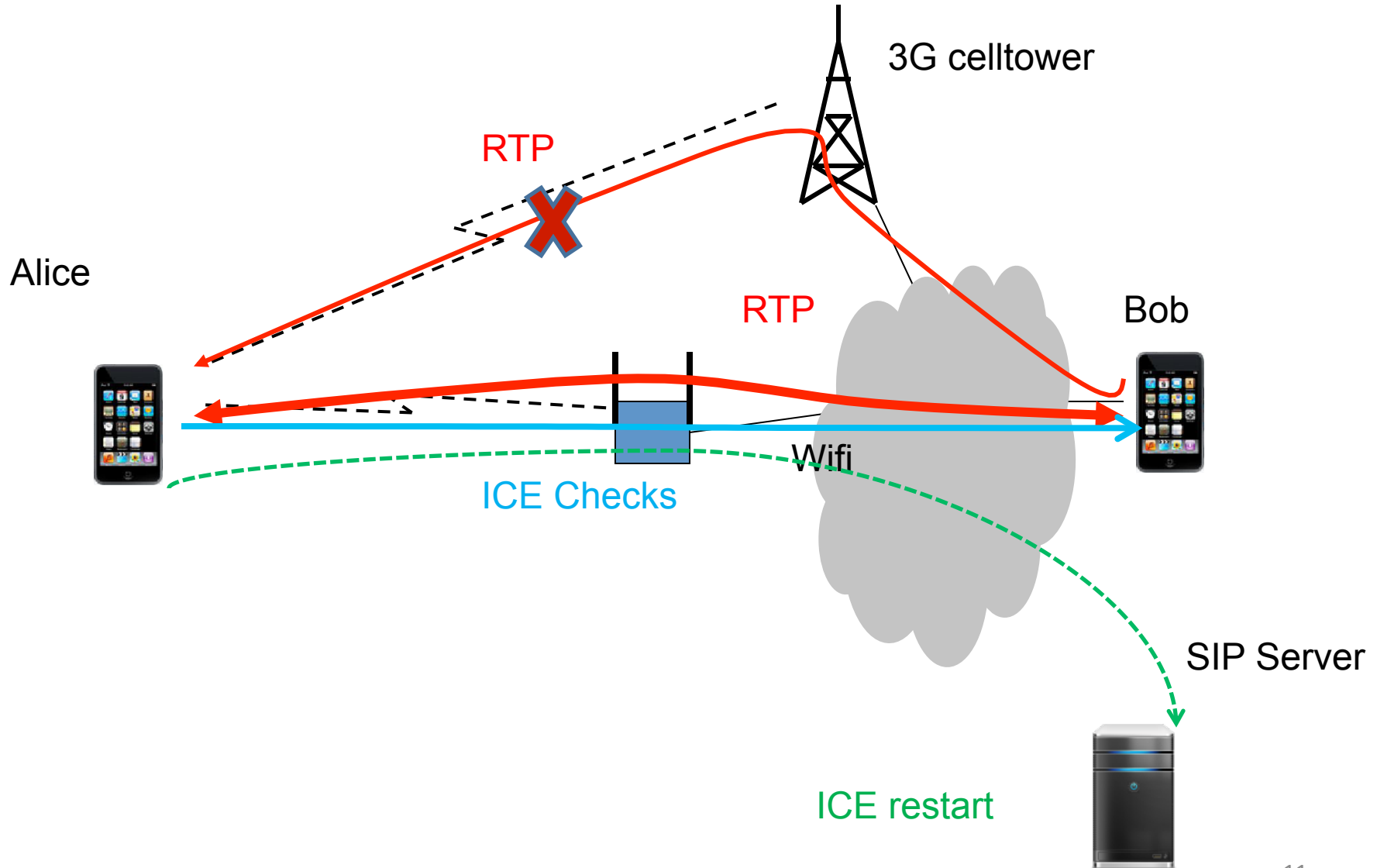
ICE restart

Keeping unused relayed candidates active

**Discussion : Break Before Make
Maintain Relayed Candidates**

3G celltower

RTP

Alice

Wifi

ICE Checks

Bob

RTP

ICE Restart

SIP Server

ICE Checks

TURN

Helps with (a) Simultaneous Mobility or (b)
or Bob behind Address-Dependent filling
NAT

MAKE BEFORE BREAK

Mobility Using ICE – Make Before Break

3G celltower

RTP

Alice

RTP

Bob

ICE Checks

Wifi

SIP Server

ICE restart

Presence of other interfaces in Valid list - Appendix

Break Before Make - Presence of other interfaces in Valid list

3G celltower

RTP

ICE Check

Alice

Wifi

RTP

Bob

ICE Binding Req/Resp – Keep Alive

Optional: maintain unused candidates on other interfaces (e.g., 3G and WiFi)

ICE restart