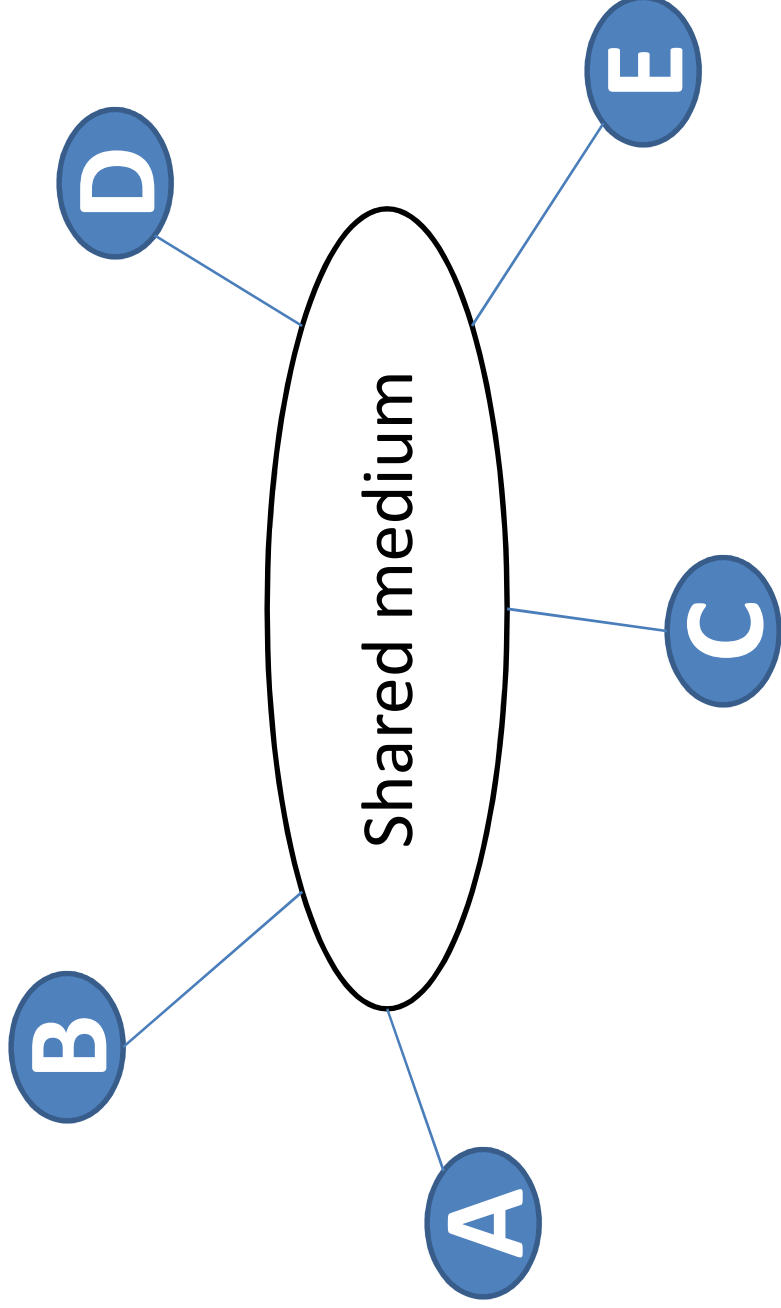
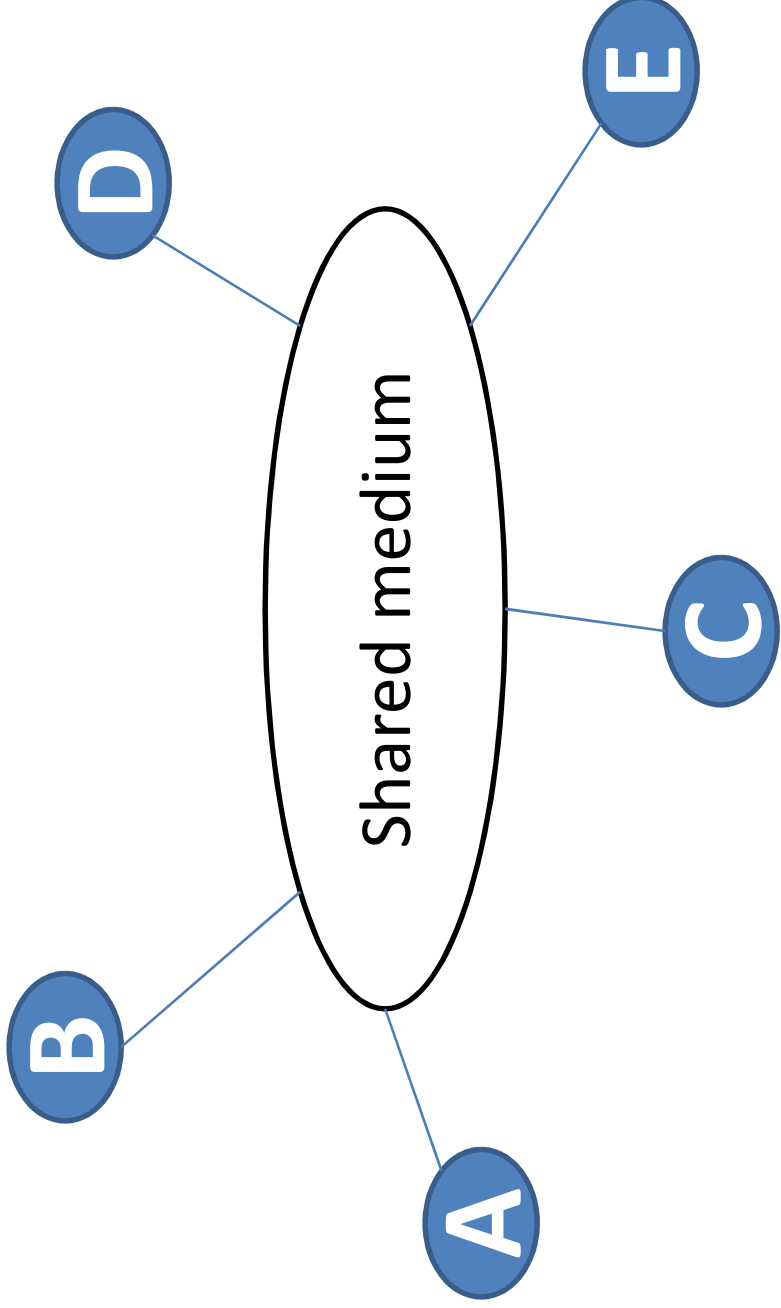


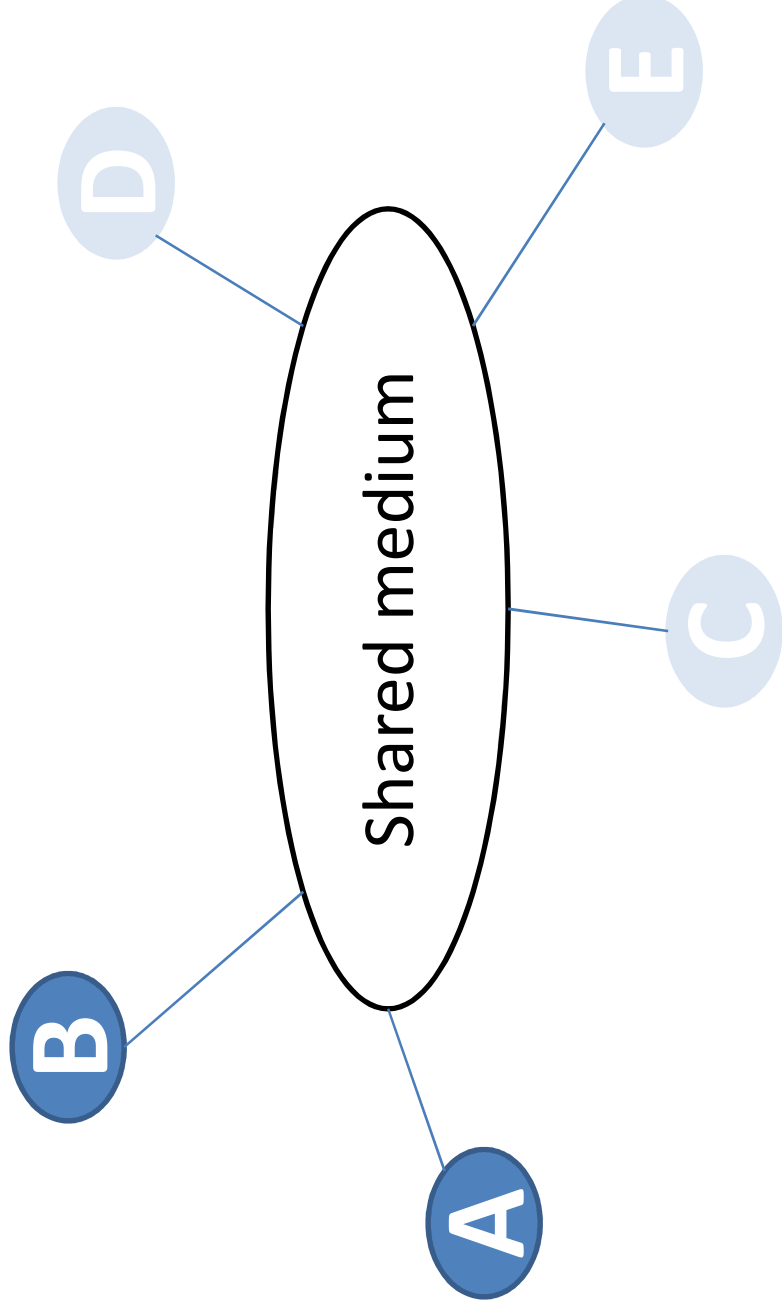
Overview



The shared medium

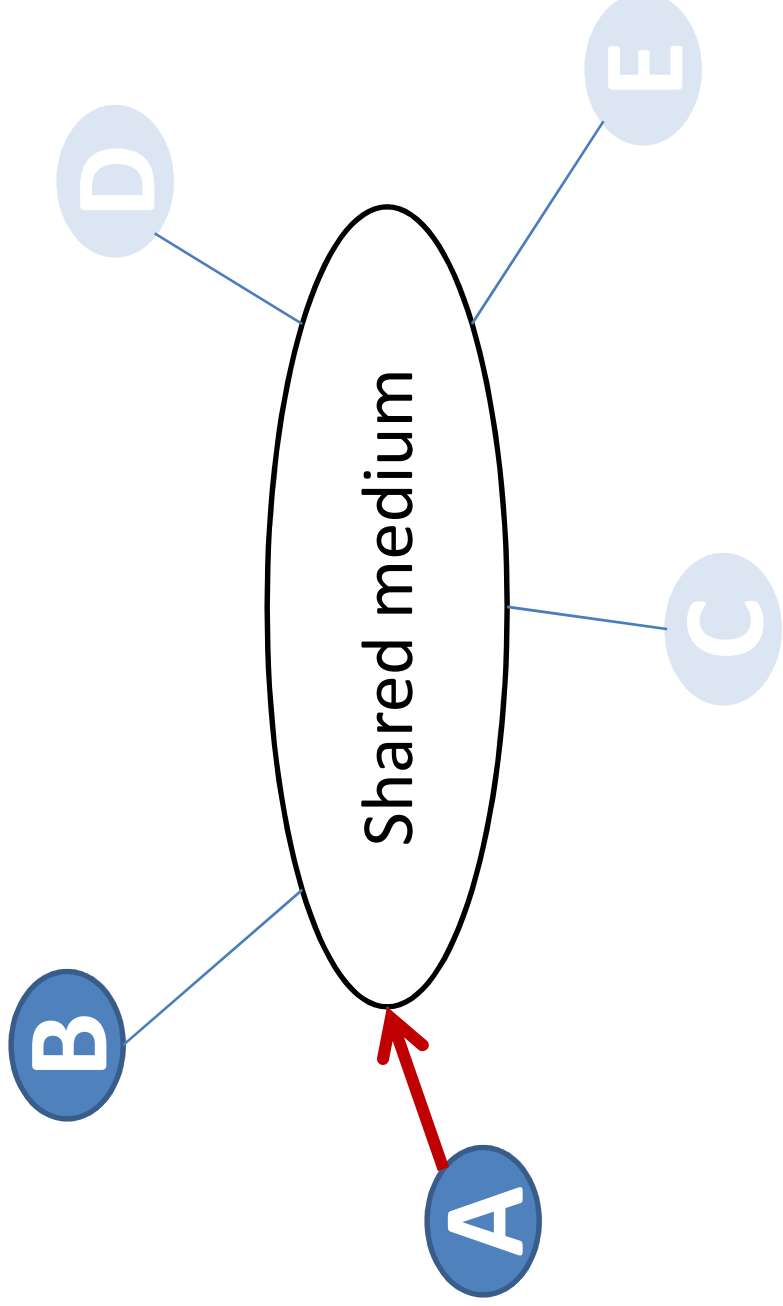


Scenario



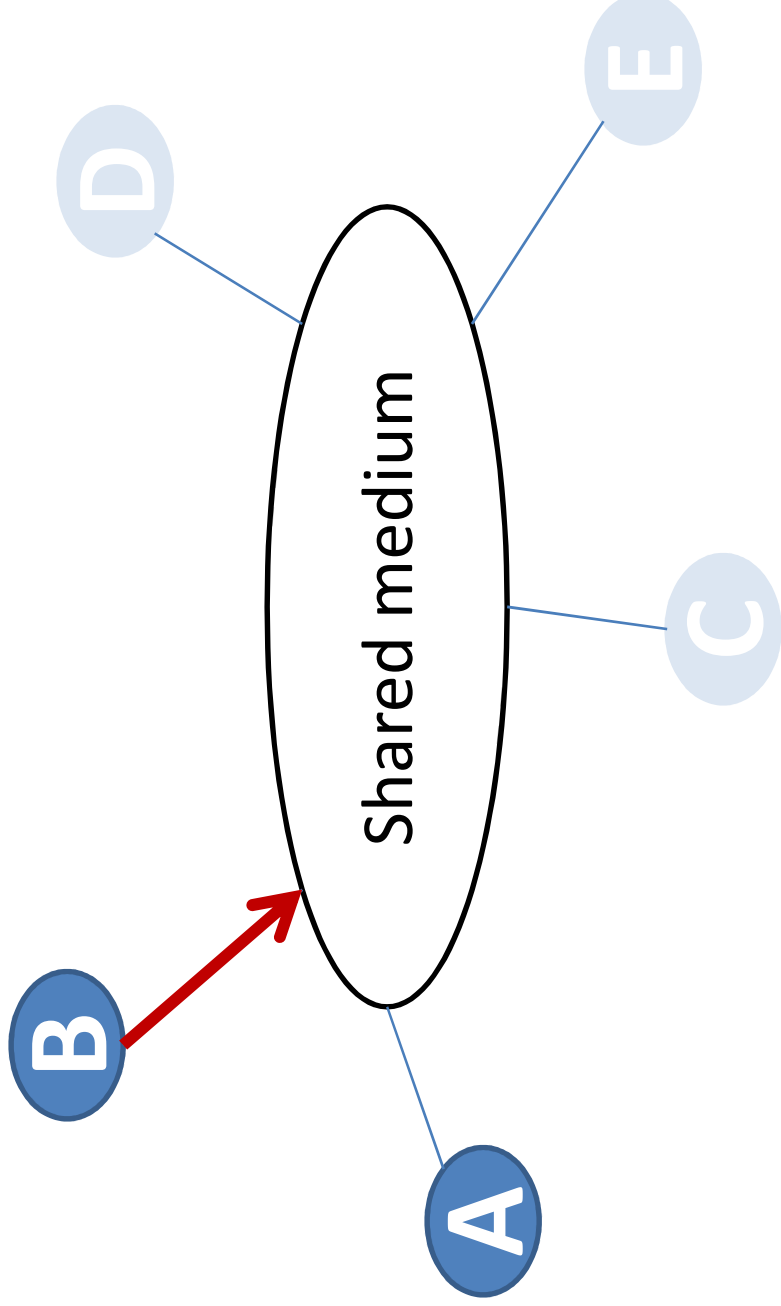
Alice wants to call Bob

Scenario



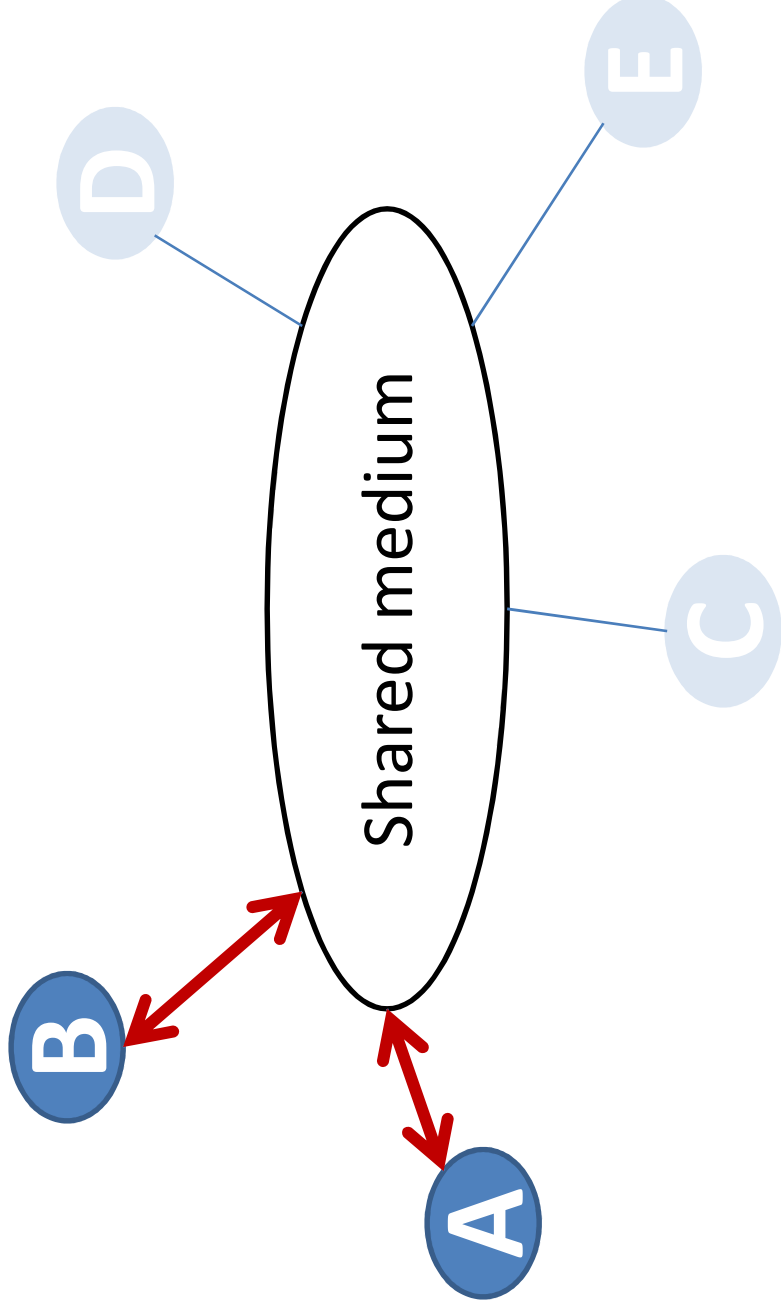
Alice sends “calling packets” to Bob

Scenario



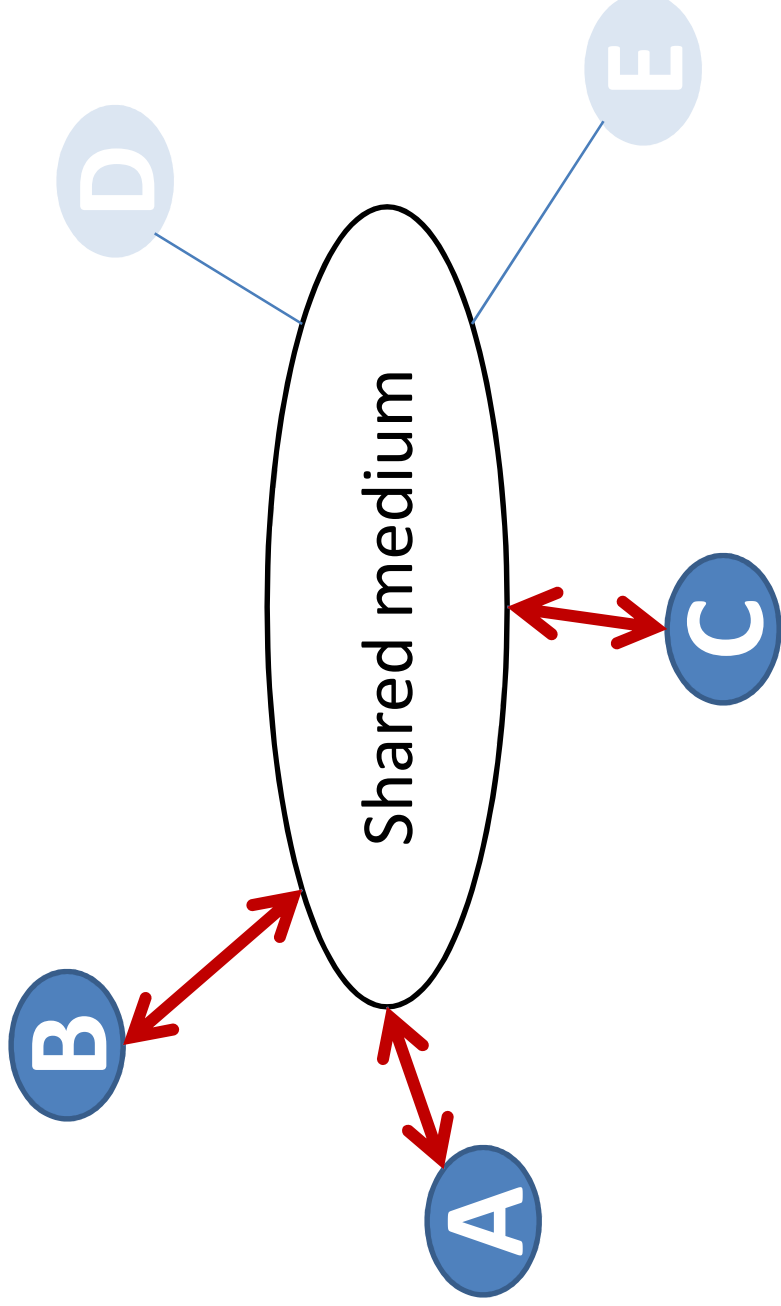
Upon picking up, Bob's FPGA starts sending "voice packets"

Scenario



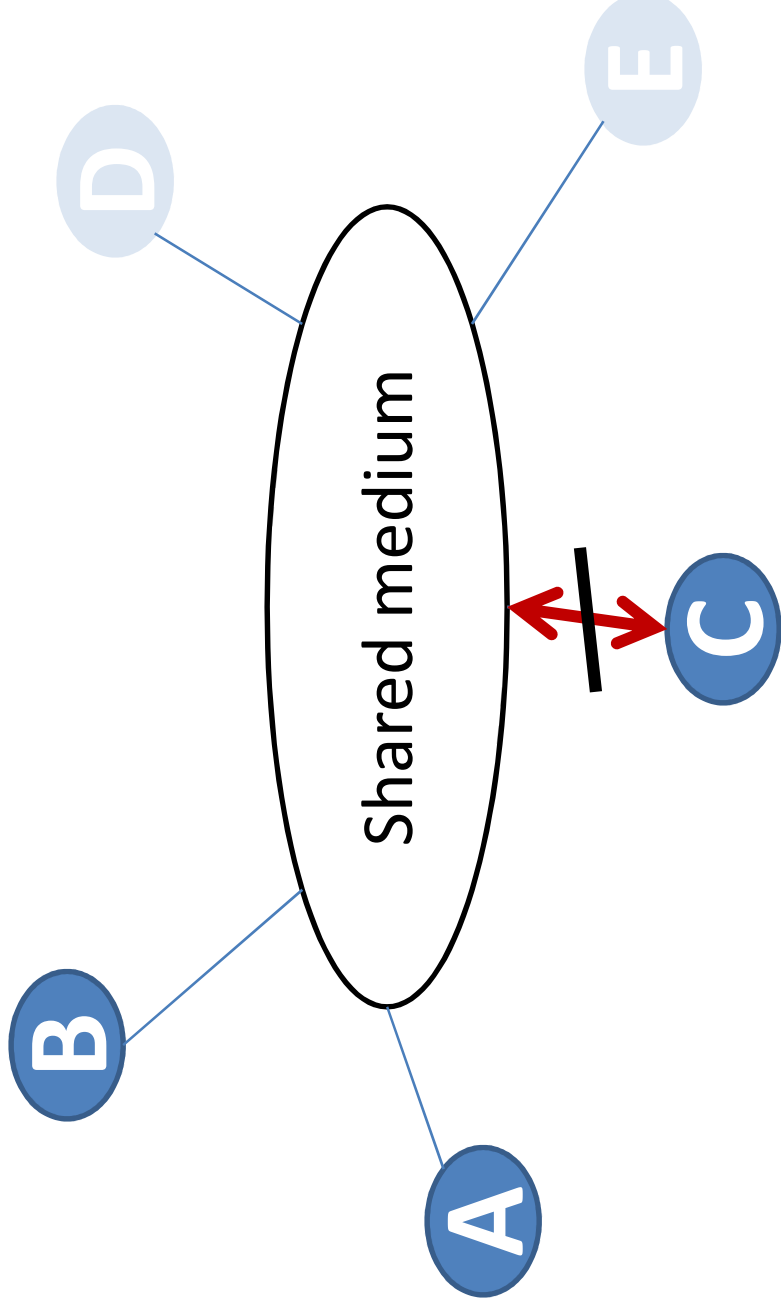
A two-person conference call is established

Scenario



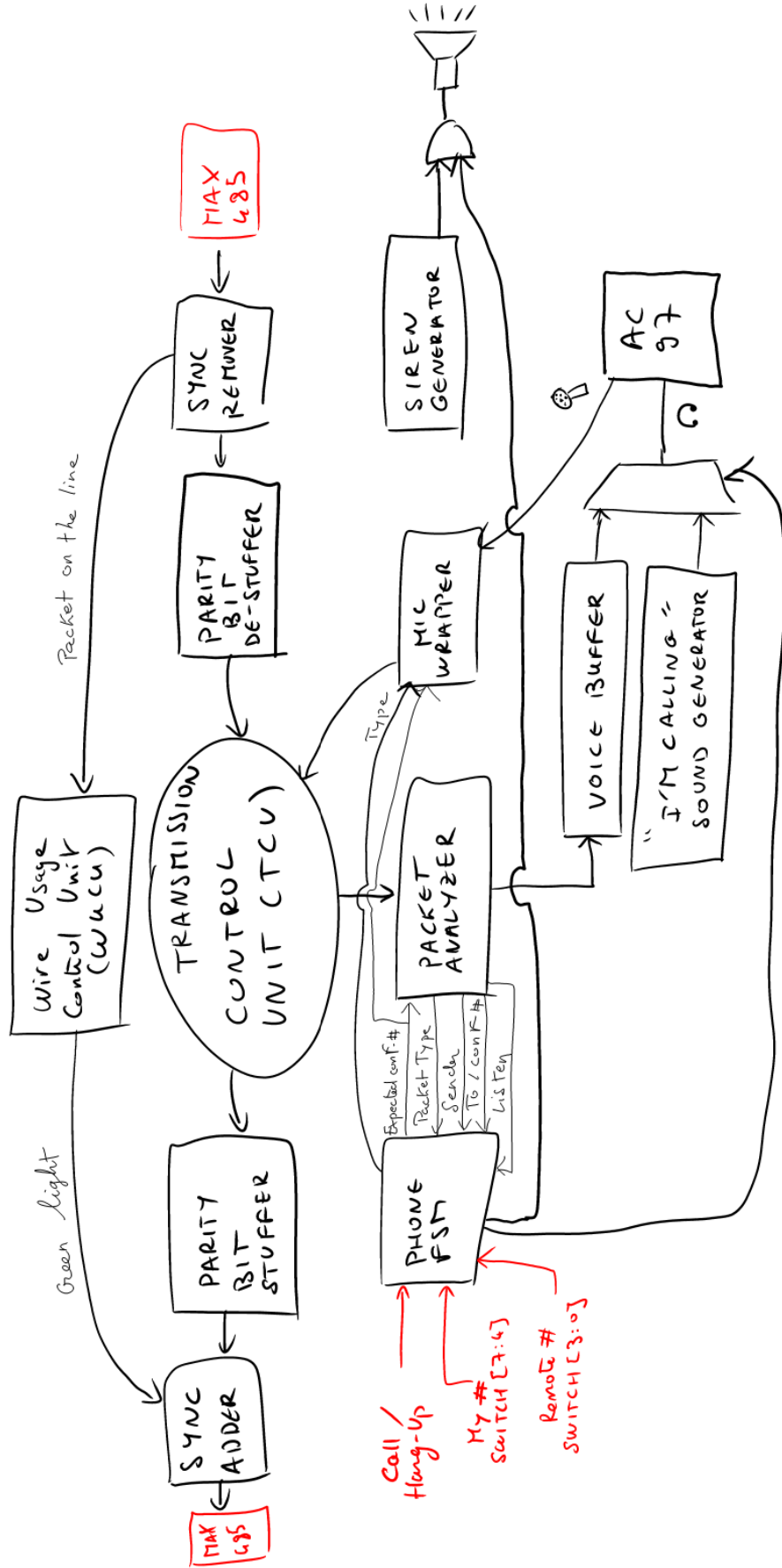
Charles calls either A or B and is automatically added to the conference

Scenario

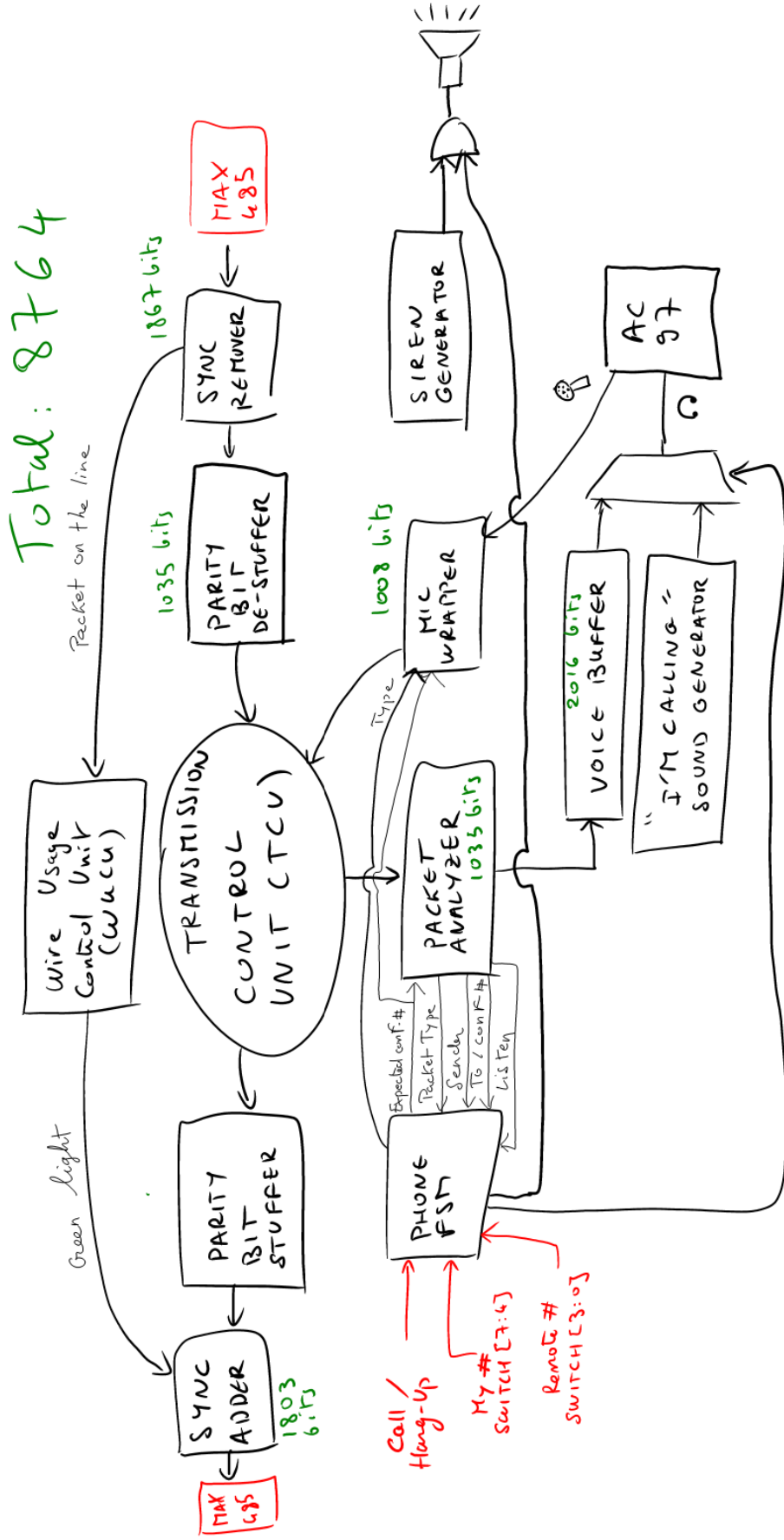


A and B hanged up; C automatically disconnects

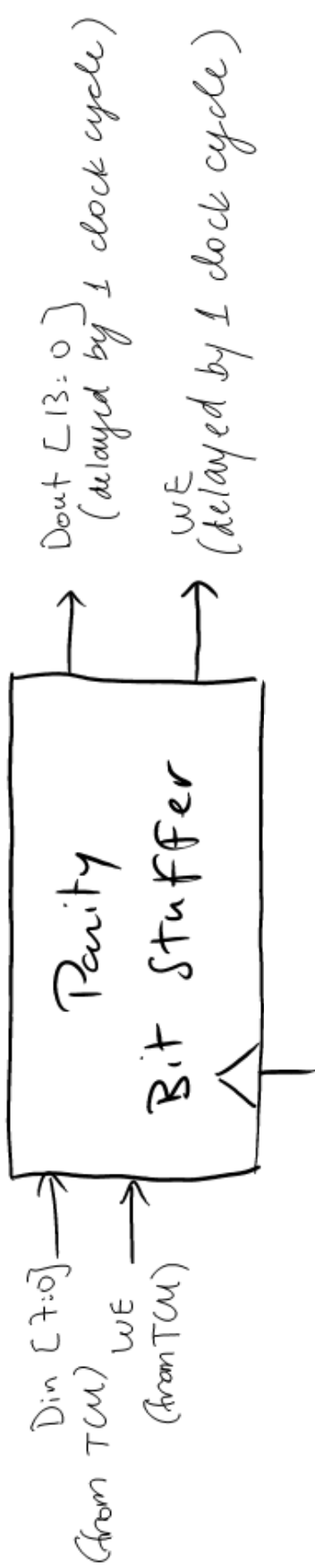
Project Diagram



Project Diagram



Modules – Bit Stuffer



0	1	1	0	0
1	1	0	0	0
1	0	1	0	0

Tricky Bits

- WUCU
- Conference # Assignment

Timeline

Objective	Deadline	Person Responsible
Learn how to write test benches	18/11/2008	Team
Working stuffer and destuffer	23/11/2008	Isabel
WUCU	26/11/2008	Alex
Mic Wrapper and Voice Buffer	23/11/2008	Alex
Sync remover and adder	23/11/2008	Karim
Phone FSM	26/11/2008	Karim
Packet Analyzer	26/11/2008	Isabel
Siren Generator and "I'm calling sound"	26/11/2008	Isabel
TCU	26/11/2008	Alex
Integration	4/12/2008	Team

Questions?

Modules

