Reservation station

Bit fields contain:

- Tag (ex: ROB1)
- Busy bit
- Operation
- source 1 value
- source 2 value
- source 1 tag
- source 2 tag
- destination (reg# or address)

Instruction Queue

Bit fields contain:

- PC
- Next PC
- Instruction

Load/Store Buffer

Bit fields contain:

- Tag (ex: ROB1)
- Busy bit
- Effective address
- destination

Reorder Buffer

Bit fields contain:

- Tag (ex: ROB1)
- Busy bit
- Instruction type (ADDD, SUBI, BNEZ, etc)
- Value
- Destination
- Ready-to-commit bit

Register File

Bit fields contain:

- Reg#
- Value
- Tag (ex: ROB1)