

Unit	Command	Meaning
ALU	0 0 0	No operation
	0 0 1	Add
	0 1 0	Subtract
	0 1 1	Multiply
	1 0 0	Divide
	1 0 1	Left shift
	1 1 0	Right shift
	1 1 1	Continue previous operation
operand 1 or 2	0	No operation
	1	Load value from data transfer mechanism
result 1 or 2	0	No operation
	1	Send value to data transfer mechanism
register interface	0 0 x x x x	No operation
	0 1 x x x x	Move register xxxx to data transfer mechanism
	1 0 x x x x	Move data transfer mechanism to register xxxx
	1 1 x x x x	No operation

Figure 7.6 Possible command values and the meaning of each for the example functional units in Figure 7.5. Commands are carried on parallel wires.