## Pipelined ReCoP Instructions

T1: if instr\_prev(31..30) == "01" or "10" IR(15..0) <- PM[PC], OP(15..0) <- PM[PC+1], PC <- PC + 2 else IR(15..0) <- operand\_prev, OP(15..0) <- PM[PC], PC <- PC + 1

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AND Rz Rx Operand	Immediate	T2: OP1 <- Rx, OP2 <- OP(150)  T3: RZ <- ALU_OP1 AND ALU_OP2
		T2: OP1 <- Rz, OP2 <- Rx
AND Rz Rz Rx	Register	T3: RZ <- ALU_OP1 AND ALU_OP2
OD Da Dr. Openand	Immediate	T2: OP1 <- Rx, OP2 <- OP(150)
OR Rz Rx Operand	Illillediace	T3: RZ <- ALU_OP1 OR ALU_OP2
OR Rz Rz Rx	Register	T2: OP1 <- Rx, OP2 <- Rz
		T3: Rz <- OP1 OR ALU_OP2 T2: OP1 <- Rx, OP2 <- OP(150)
ADD Rz Rx Operand	Immediate	T3: Rz <- ALU_OP1 + ALU_OP2
ADD Rz Rz Rx	Register	T2: OP1 <- Rx, OP2 <- Rz
		T3: Rz <- OP1 + OP2
SUBV Rz Rx Operand	Immediate	T2: OP1 <- OP(150), OP2 <- Rx
- 227 III III operana	Timicalacc	T3: Rz <- OP2 - OP1
SUB Rz Operand	Immediate	T2: OP1 <- OP(150), OP2 <- RZ
		T3: OP2 - OP1 T2: OP1 <- OP(150)
LDR Rz #Operand	Immediate	T3: Rz <- OP1
LDR Rz Rx	Register	T2: OP2 <- Rx
		T3: Rz <- DM[OP2]
LDR Rz \$Operand	Direct	T2: OP2 <- OP(150)
		T3: Rz <- DM[OP2]
STR Rz #Operand STR Rz Rx	Immediate Register	T2: OP1 <- OP(150), OP2 <- Rz  T3: DM[OP2] <- OP1
		T2: OP1 <- Rx, OP2 <- Rz
		T3: DM[OP2] <- OP1
STR Rx \$Operand  JMP Operand	Direct Immediate	T2: OP1 <- Rx, OP2 <- OP(150)
		T3: DM[OP2] <- OP1
		T2: OP1 <- OP(150)
		T3: PC <- OP1
JMP Rx	Register	T2: OP1 <- Rx  T3: PC <- OP1
		T2: OP1 <- OP(150), OP2 <- Rz
PRESENT Rz Operand	Immediate	T3: if OP2(150) = 0x0000 then PC <- OP1
DATACALL Rz Rx	Register	T2: OP1 <- Rz, OP2 <- Rx
		T3: DPCR <- OP1 & OP2, DPRR(1) <- '0'
DATACALL Rx Operand	Immediate	T2: OP1 <- Rx, OP2 <- OP(150)
_		T3: DPCR <- OP1 & OP2, DPRR(1) <- '0' T2: OP1 <- OP(150)
SZ Operand	Immediate	T3: if Z == '1' then PC <- OP1
MAX Rz Operand	Immediate	T2: OP1 <- Rz, OP2 <- OP(150)
		T3: Rz <- MAX{OP1, OP2}
STRPC Operand	Direct	T2: OP1 <- PC(150), OP2 <- OP(150)
		T3: DM[OP2] <- OP1
CLFZ	Inherent	T2: T3: Z <- '0'
		T2:
CER	Inherent	T3: ER <- '0'
GEOTE.	Trabassant	т2:
CEOT	Inherent	T3: EOT <- '0'
SEOT	Inherent	T2:
		T3: EOT <- '1'
LER Rz	Register	T2: T3: Rz <- ER
	<del> </del> .	T2: OP1 <- RX
SSVOP Rx	Register	T3: SVOP <- Rx
LSIP Rz	Register	T2:
	1.0910001	T3: Rz <- SIP
SSOP Rx	Register	T2: OP1 <- Rx
		T3: SOP <- OP1 T2:
NOOP	Inherent	T3:
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