

Milestone 1

Encoding	22223210	1111 9876	1111 5432	11 1098	7654	3210	Flags
ADD Wb, Ws, Wd	0100	0www	wBqq	qddd	dppp	ssss	N, OV, Z, C
SUB Wb, Ws, Wd	0101	0www	wBqq	qddd	dppp	ssss	N, OV, Z, C
AND Wb, Ws, Wd	0110	0www	wBqq	qddd	dppp	ssss	N, Z
IOR Wb, Ws, Wd	0111	0www	wBqq	qddd	dppp	ssss	N, Z
MOV f, wnd	1000	0fff	ffff	ffff	ffff	dddd	None
MOV wns, f	1000	1fff	ffff	ffff	ffff	ssss	None
BRA Expr	0011	0111	nnnn	nnnn	nnnn	nnnn	None
BRA OV, Expr	0011	0000	nnnn	nnnn	nnnn	nnnn	None
BRA C, Expr	0011	0001	nnnn	nnnn	nnnn	nnnn	None
BRA N, Expr	0011	0011	nnnn	nnnn	nnnn	nnnn	None
BRA Z, Expr	0011	0010	nnnn	nnnn	nnnn	nnnn	None
SL Wb,#lit4,Wnd	1101	1101	0www	wddd	d100	kkkk	N, Z
ADDC #lit10,Wn	1011	0000	1Bkk	kkkk	kkkk	dddd	N, OV, Z, C
SUBB Wb,#lit5,Wd	0101	1www	wBqq	qddd	d11k	kkkk	N, OV, Z, C
SETM Wd	1110	1011	1Bqq	qddd	d000	0000	None

d- Wd

s- Ws

w- Wb

B- Byte mode selection: 0= word operation, 1=byte operation

q- Adressing mode for Wd

p- Adresing mode for Ws

n- Offset

f- file word adress

k- 4: 4-bit literal field, constant data or expresion 10: same but 10-bit