Description	Instruction	Operandes			15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	Flags N	Z	C	V
Logical Shift left	LSLS	Rd	Rm	imm5	0	0	0	0	0	imm5					Rm			Rd			x	x	x	
Logical Shift right	LSRS	Rd	Rm	imm6	0	0	0	0	1	imm5					Rm			Rd			x	x	x	
Arithmetic Shift Right	ASRS	Rd	Rm	imm7	0	0	0	0	0	imm5					Rm			Rd			x	x	x	
Shift,add,sub,mov																								
ADD rergister	ADDS	Rd	Rn	Rm	0	0	0	1	1	0	0	Rm			Rn			Rd			x	x	x	x
SUB rergister	SUBS	Rd	Rn	Rm	0	0	0	1	1	0	1	Rm			Rn			Rd			x	x	x	x
ADD-immediate	ADDS	Rd	Rn	imm3	0	0	0	1	1	1	0	imm3			Rn			Rd			x	x	x	x
SUB-immediate	SUBS	Rd	Rm	imm3	0	0	0	1	1	1	0	imm3			Rn			Rd			x	x	x	x
MOV-immediate	MOVS	Rd			0	0	1	0	0	Rd					imm8						x	x		
CMP-immediate	CMP	Rd			0	0	0	0	0	Rd					imm8						x	x	x	x
ADD-immediate 8bits	ADDS	Rd			0	0	1	1	0	Rd					imm8						x	x	x	x
SUB-immediate 8bits	SUBS	Rd			0	0	1	1	1	Rd					imm8						x	x	x	x
Data processing																								
AND Bitwise	AND	Rdn	Rm		0	1	0	0	0	0	0	0	0	0	Rm			Rdn			x	x	x	
EXCLUSIVE OR	EOR	Rdn	Rm		0	1	0	0	0	0	0	0	0	1	Rm			Rdn			x	x	x	
Logical-Shift-Left	LSL	Rdn	Rm		0	1	0	0	0	0	0	0	1	0	Rm			Rdn			x	x	x	
Logical-Shift-Right	LSR	Rdn	Rm		0	1	0	0	0	0	0	0	1	1	Rm			Rdn			x	x	x	
Arithmetic-Shift-Right	ASR	Rdn	Rm		0	1	0	0	0	0	0	1	0	0	Rm			Rdn			x	x	x	
ADD with Carry	ADC	Rdn	Rm		0	1	0	0	0	0	0	1	0	1	Rm			Rdn			x	x	x	
Substract with Carry	SBC	Rdn	Rm		0	1	0	0	0	0	0	1	1	0	Rm			Rdn			x	x	x	x
Rotate Right	ROR	Rdn	Rm		0	1	0	0	0	0	0	1	1	1	Rm			Rdn			x	x	x	
Set Flags on Bitwise AND	TST	Rn	Rm		0	1	0	0	0	0	0	0	0	0	Rm			Rn			x	x	x	
Reverse Substract from 0	RSB	Rd	Rn		0	1	0	0	0	0	1	0	0	1	Rn			Rd			x	x	x	x
Compare Registres	CMP	Rn	Rm		0	1	0	0	0	0	1	0	1	0	Rm			Rn			x	x	x	x
Compare Negative	CMN	Rdn	Rm		0	1	0	0	0	0	1	0	1	1	Rm			Rn			x	x	x	x
Logical OR	ORR	Rdn	Rm		0	1	0	0	0	0	1	1	0	0	Rm			Rdn			x	x	x	
Multiply two registres	MUL	Rdm	Rn		0	1	0	0	0	0	1	0	0	0	Rn			Rdm			x	x		
Bit Clear	BIC	Rdn	Rm		0	1	0	0	0	0	1	1	1	0	Rm			Rdn			x	x	x	
Bitwise NOT	MVN	Rd	Rm		0	1	0	0	0	0	1	1	1	1	Rm			Rd			x	x	x	