

## How DP instructions affect Flags C, V, Z, N

Instructions	Effect on Flags		
	if S-bit = 0	if S-bit = 1 and no shift/rotate	if S-bit = 1 and shift/rotate is there
add, sub, rsb, adc, sbc, rsc	No flags are affected	All 4 flags are affected, ALU carry is used	
cmp, cmn	All 4 flags are affected, ALU carry is used		
and, orr, xor, bic, mov, mvn	No flags are affected	Only Z and N are affected	C, Z and N are affected shift/rotate carry is used
tst, teq	Only Z and N are affected		