FLAGS [edit]

Intel x86 FLAGS register[1]						
Bit #	**Mask**	**Abbreviation**	**Description**	**Category**	**=1**	**=0**
FLAGS						
0	0x0001	CF	Carry flag	Status	CY(Carry)	NC(No Carry)
1	0x0002		Reserved, always 1 in **EFLAGS** [2][3]			
2	0x0004	PF	Parity flag	Status	PE(Parity Even)	PO(Parity Odd)
3	0x0008		Reserved[3]			
4	0x0010	AF	Adjust flag	Status	AC(Auxiliary Carry)	NA(No Auxiliary Carry)
5	0x0020		Reserved[3]			
6	0x0040	ZF	Zero flag	Status	ZR(Zero)	NZ(Not Zero)
7	0x0080	SF	Sign flag	Status	NG(Negative)	PL(Positive)
8	0x0100	TF	Trap flag (single step)	Control		
9	0x0200	IF	Interrupt enable flag	Control	EI(Enable Interrupt)	DI(Disable Interrupt)
10	0x0400	DF	Direction flag	Control	DN(Down)	UP(Up)
11	0x0800	OF	Overflow flag	Status	OV(Overflow)	NV(Not Overflow)
12-13	0x3000	IOPL	I/O privilege level (286+ only), always 1 [*clarification needed*] on 8086 and 186	System		
14	0x4000	NT	Nested task flag (286+ only), always 1 on 8086 and 186	System		
15	0x8000		Reserved, always 1 on 8086 and 186, always 0 on later models			
EFLAGS						
16	0x0001 0000	RF	Resume flag (386+ only)	System		
17	0x0002 0000	VM	Virtual 8086 mode flag (386+ only)	System		
18	0x0004 0000	AC	Alignment check (486SX+ only)	System		
19	0x0008 0000	VIF	Virtual interrupt flag (Pentium+)	System		
20	0x0010 0000	VIP	Virtual interrupt pending (Pentium+)	System		
21	0x0020 0000	ID	Able to use CPUID instruction (Pentium+)	System		
22-31	0xFFC0 0000		Reserved	System		
RFLAGS						
32-63	0xFFFF FFFF... ...0000 0000		Reserved			

Note: The mask column in the table is the AND bitmask (as hexadecimal value) to query the flag(s) within FLAGS register value.