Siemens S7 Statement List (STL) sorted alphabetically

	sorreu upnubeneury						
Mnemonic							
)	Nesting Closed						
+	Add Integer Constant (16, 32- Bit)						
+AR1	Add ACC1 to Address Register 1						
+AR2	Add ACC1 to Address Register 2						
+I +D +R	Add ACC1 and ACC2						
-I -D -R	Subtract ACC1						
*I *D *R	from ACC2 Multiply ACC1 and ACC2						
/I /D /R	Divide ACC2 by ACC1						
=	Assign						
==I ==D ==R	ACC2 is equal to ACC1						
<=I <=D	ACC2 is less then						
<=R <>I <>D	equal to ACC1						
<>1 <>D <>R	ACC2 is not equal to ACC1						
<i <d="" <r<="" th=""><th>ACC2 is less then to ACC1</th></i>	ACC2 is less then to ACC1						
>=I >=D >=R	ACC2 is greater then equal to ACC1						
>I >D >R	ACC2 is greater then to ACC1						
A	And						
Α(And with Nesting Open						
ABS	Absolute Value						
ACOS	Arc Cosine						
AD	AND Double Word						
AN							
AN (And Not with Nesting Open						
ASIN	Arc Sine						
ATAN	Arc Tangent						
AW	AND Word						
BE	Block End						
BEC	Block End Conditional						
BEU	Block End Unconditional						
BLD	Program Display Instruction (Null)						
	(Null)						

Mnemonic	Description	ľ	
BTI	BCD to Integer	i	
	Change Byte		
CAD	Sequence in ACC1		
	Double	i	
CALL	Call	i	
	FC,FB,SFC,SFB		
	Exchange Address Register 1		
CAR	with Address		
	Register 2	1	
63 1	Change Byte		
CAW	Sequence in ACC1 Word		
		I	
CC	Conditional Call		
CD	Counter Down		
	Exchange Shared	I	
CDB	DB and Instance	I	
GT D	DB	-	
CLR COS	Clear RLO (=O) Cosine of Angles		
CU	-	I	
DEC	Counter Up Decrement ACC		
	Double Integer to	I	
DTB	BCD		
DTR	Double Integer to	1	
	Floating-Point		
ENT EXP	Enter ACC Stack Exponential Value	I	
FN	_		
FP	Edge Negative Edge Positive		
	Enable	1	
FR	Timer/Counter		
	(Free)		
INC	Increment ACC	I	
INVD	Ones Complement		
	Double Integer Ones Complement		
INVI	Integer	I	
ITB	Integer to BCD		
ITD	Integer to Double		
	Integer	I	
JBI JC	Jump if BR = 1 Jump if RLO = 1		
50	Jump if RLO = 1 Jump if RLO = 1		
JCB	with BR		
JCN	Jump if $RLO = 0$	1	
JL	Jump to Labels		
ЈМ	Jump if Minus	_	
JMZ	Jump if Minus or	I	
	Zero	1	
JN	Jump if Not Zero Jump if RLO = 0		
JNB	with BR	I	
JNBI	Jump if BR = 0		

Mnemonic	Description			
JO	Jump if $OV = 1$			
JOS	Jump if $OS = 1$			
JP	Jump if Plus			
JPZ	Jump if Plus or			
012	Zero			
JU	Jump			
JUO	Unconditional Jump if Unordered			
JZ				
L	Jump if Zero Load			
Ц	Load Load Current			
	Timer/Counter			
L	Value into ACC1			
	as Integer (i.e.			
	L T 32)			
L DBLG	Load Length of			
	Shared DB in ACC1			
L DBNO	Load Number of			
	Shared DB in ACC1			
L DILG	Load Length of			
L DILG	Instance DB in ACC1			
	Load Number of			
L DINO	Instance DB in			
	ACC1			
L STW	Load Status Word			
L SIW	into ACC1			
	Load Address			
LAR1	Register 1 from			
	ACC1 Load Address			
	Register 1 with			
LAR1 <d></d>	Double Integer			
	(32-Bit Pointer)			
	Load Address			
LAR1 AR2	Register 1			
	from Address			
	Register 2 Load Address			
LAR2	Register 2 from			
	ACC1			
	Load Address			
LAR2 <d></d>	Register 2 with			
	Double Integer (32-Bit Pointer)			
	Load Current			
	Timer/Counter			
LC	Value into ACC1			
	as BCD (i.e. LC T			
	32)			
LEAVE	Leave ACC Stack			
LN	Natural Logarithm			
LOOP	Loop			

Mnemonic	Description	Mnemonic	Description	Formats	
MCR (Save RLO in MCR	SET	Set RLO (=1)	B#	Byte (8 bit)
MCR (Stack, Begin MCR	SF	Off-Delay Timer	W#	Word (16 bit)
) MCR	End MCR	SIN	Sine of Angles	L#	Long (32 bit)
MCRA	Activate MCR	arp	Shift Left Double		es Timo
MCRD	Deactivate MCR	SLD	Word	S5Time#	(2H46M30S0MS)
MOD	Division Remainder Double	SLW	Shift Left Word	т#	IEC Time
MOD	Integer	SP	Pulse Timer	- "	(24D20H31M23S648MS)
NEGD	Twos Complement	SQR	Square	D#	IEC Date (2007-10-28)
NEGD	Double Integer	SQRT	Square Root	TOD#	Time of Day
NEGI	Twos Complement	SRD	Shift Right	TOD#	(23:59:59.999)
	Integer Negate Floating-	ODW.	Double Word	C#	BCD
NEGR	Point Number	SRW	Shift Right Word Retentive On-	P#	Pointer Address
NOP 0	Null Instruction	SS	Delay Timer	2#	Binary
NOP 1	Null Instruction	SSD	Shift Sign Double	16#	Hexadecimal
NOT	Negate RLO	550	Integer	#Symbol	Local stack
0	Or	SSI	Shift Sign		variable
0(Or with Nesting	т	Integer Transfer	//	Comment
	Open	-	Transfer ACC1	OBs	
OD	OR Double Word	T STW	into Status Word	1	Main Program Scan
ON	Or Not	TAK	Toggle ACC1 with	10-17	Time of Day
ON (Or Not with Nesting Open	TAN	ACC2	20-23	Time Delay
OPN	Open a Data Block	IAN	Tangent of Angles Transfer Address	30-38	Cyclic (Periodic)
OW	OR Word	TAR1	Register 1 to	40-47	Hardware
POP	Pop accumulators		ACC1	80	Time Error
PUSH	Push accumulators		Transfer Address	81	Power Supply Error
R	Reset	TAR1 <d></d>	Register 1 to	82	Diagnostic Interrupt
	Reset		Destination (32- Bit Pointer)	83	Insert/Remove Module
R	Timer/Counter		Transfer Address		Interrupt
K	Value (i.e. R T	TAR1 AR2	Register 1	84	CPU Hardware Fault
	32) Rotate Left		to Address	85	Program Cycle Error
RLD	Double Word		Register 2 Transfer Address	86	Rack Failure - Missing Profibus
BIDA	Rotate ACC1 Left	TAR2	Register 2 to		device
RLDA	via CC 1		ACC1	87	Communication Error
RND	Round		Transfer Address	100	Warm restart
RND-	Round to Lower	TAR2 <d></d>	Register 2 to Destination (32-	101	Hot restart
	Double Integer Round to Upper		Bit Pointer)	102	Cold restart
RND+	Double Integer	TRUNC	Truncate	121	Programming Error
RRD	Rotate Right	UC	Unconditional	122	I/O Access Error
	Double Word		Call		
RRDA	Rotate ACC1 Right via CC 1	x	Exclusive Or		
s	Set	х (Exclusive Or with		PLC dev
-	Set Counter		Nesting Open		
s	Preset Value	XN	Exclusive Or Not Exclusive Or Not		Nev
	(i.e. S C 15)	XN (with Nesting Open		
SAVE	Save RLO in BR	XOD	Exclusive Or		www.plcdev.com
SD	Register On-Delay Timer	X0D	Double Word		
	Extended Pulse	XOW	Exclusive Or Word		
SE	Timer				