

S1C17 series Manual errata

ITEM: Add caution of "di" instruction		
Object manuals	Document code	Object number
S1C17 Core Manual	410905901	7-32
(Error)		
There is no description of interrupt disable timing after execute "di" instruction.		
(Correct)		
Caution:		
After 3 cycles of the "di" instruction, maskable interrupt is prohibited.		
di		
1 cycle instruction		
1 cycle instruction		
disable interrupt from this instruction		
Sample of interrupt mask interval between "di" and "ei" instruction.		
ld %r2, %r3	<- interrupt enable	
di	<- interrupt enable	
ld.a %r0, %r1	<- interrupt enable	
ld.b %r2, %r3	<- interrupt enable	
ld %r4, %r5	<- interrupt disable	
ei	<- interrupt disable	
add %r4, %r5	<- interrupt disable	
sub %r6, %r7	<- interrupt disable	
cmp %r0, %r1	<- interrupt enable	

ITEM: Add caution of "ei" instruction		
Object manuals	Document code	Object number
S1C17 Core Manual	410905901	7-33
<p>(Error)</p> <p>There is no description of interrupt enable timing after execute "ei" instruction.</p>		
<p>(Correct)</p> <p>Caution:</p> <p>After 3 cycles of the "ei" instruction, maskable interrupt is permitted.</p> <ul style="list-style-type: none">ei1 cycle instruction1 cycle instructionenable interrupt from this instruction <p>Sample of interrupt mask interval between "di" and "ei" instruction.</p> <ul style="list-style-type: none">ld %r2, %r3 <- interrupt enabledi <- interrupt enableld.a %r0, %r1 <- interrupt enableld.b %r2, %r3 <- interrupt enableld %r4, %r5 <- interrupt disableei <- interrupt disableadd %r4, %r5 <- interrupt disablesub %r6, %r7 <- interrupt disablecmp %r0, %r1 <- interrupt enable		