

S1C88000C Manual errata

ITEM:		
Object manuals	Document code	Object number
S5U1C88000C Manual 1	411391200	2.6.5 CALLS Directive p.128
<p>(Error)</p> <p>Stack information is also specified. After the callee name, for each possible stack a usage count can be specified (e.g. system stack, user stack). The value specified (nr) is the stack usage (in bytes for the S1C88) at the time of the call including the 'RET' address of the current function. Currently the S1C88 tool only use the system stack.</p> <p>This information is used by the linker to compute the used stack within the application. The information is found in the generated linker map file (-M option) within the call graph.</p> <p>When callee is an empty name, this means we define the stack usage of the function itself.</p>		
<p>(Correct)</p> <p>Delete</p>		
<p>(Error)</p> <p>CALLS 'main', 'nfunc', 5</p>		
<p>(Correct)</p> <p>CALLS 'main', 'nfunc'</p>		

S1Cxx Manual errata

ITEM:		
Object manuals	Document code	Object number
S5U1C88000C Manual 1	411391200	3.4 Linker Output p.155
<p>(Error)</p> <p>The call graph also contains information about the stack usage of the call graph. When a function is called, the stack usage before entering the function is written in front of the function name. The total stack usage of the function (including its calls) is written behind the function. The Maximum stack usage of a function itself is written below the function. The number indicates the size of the stack usage (in bytes for the S1C88). See also the example.</p>		
<p>(Correct)</p> <p>Delete</p>		


```
Maximum stack usage: 14
Pool offsets
=====

Pool #1: zp_ovln (Total of 39 bytes)

      Pool: zp_ovln
            off  siz
puts()      0    6
fputc()     6    7
_flsbuf()   13   12
_write()    25   10
_iowrite()  35    4
Object: cstart.obj
=====
```

(Correct)

A sample map file(.lnl)
Call graph(s)

=====

Call graph 1:

```
_start
|
+-- _exit
|
+-- main
|
+-- puts
|
+-- fputc
|
+-- _flsbuf
|
+-- _iowrite
|
+-- _write
|
+-- _iowrite
```

Object: cstart.obj
=====

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ITEM:		
Object manuals	Document code	Object number
S5U1C88000C Manual 1	411391200	3.4 Linker Output p.158
<p>(Error)</p> <p>When we take the following part of the call graph,</p> <pre>+----- _write (4) +- (2) - _iowrite (2) +- (2) +- (2)</pre> <p>we can see from the indentation in the structure of the tree that function <code>_write</code> calls function <code>_iowrite</code>. The total stack usage of function <code>_write</code> (including its calls) is given behind the function name:</p> <pre>_write (4)</pre> <p>To determine the total stack usage we take the maximum of the following:</p> <ol style="list-style-type: none">1. local usage before calling a function (the first value), added to the total usage of that function (the last value): <pre>+- (2) - _iowrite (2)</pre>2. the usage of the function itself: <pre> +- (2)</pre>		
<p>(Correct)</p> <p>When we take the following part of the call graph,</p> <pre> +-- _write +-- _iowrite</pre> <p>we can see from the indentation in the structure of the tree that function <code>_write</code> calls function <code>_iowrite</code>.</p>		