

<b>ID</b>	TSS000698	<b>Creation date</b>	June 25, 2007, updated December 17, 2008
<b>Platform</b>	S60 3rd Edition S60 3rd Edition, FP1 S60 3rd Edition, FP2 S60 5th Edition	<b>Devices</b>	All (S60)
<b>Category</b>	Open C	<b>Subcategory</b>	Base/System, SW Installation

**Keywords (APIs, classes, methods, functions):** n/a

## Description

To ensure that an Open C application will work, it is worthwhile to create dependencies to any Open C plug-in components that are required to run the application. This way the user will be warned during installation if Open C libraries are not present in the device.

## Solution

Creating dependencies to other components is done by declaring the required components in the PKG file:

```
(componentUID), version-range, {"Name for lang 1", "Name for lang n", ...}
```

For Open C plug-in components, the dependencies can be declared as follows:

```
(0x20009a80), 1, 0, 0, {"Symbian OS PIPS"}
(0x20009aa2), 1, 0, 0, {"Symbian OS STDIOSEVER"}
(0x10281f34), 1, 0, 0, {"Open C LIBSSL"}
(0x10281f2c), 1, 0, 0, {"Open C GLIBRARY"}
```

In the above example, the dependencies are created to the four OpenC components:

- ?Symbian OS STDIOSEVER? (installed from stdioserver.sis)
- ?Symbian OS PIPS? (pips\_s60\_wp.sis)
- ?Open C LIBSSL? (openc\_ssl.sis)

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- ?Open C GLIBRARY? (openc\_glib.sis)

Dependencies may also be targeted to specific component versions:

```
(0x0123BABE), 1, 2, 0 ~ *, *, *, {"ComponentName"} ; Version greater than or  
; equal to 1.2.0 required  
  
(0x0123BABE), 1, 2, 0 ~ 2, 0, 0, {"ComponentName"} ; Version from 1.2.0 to  
; 2.00 required  
  
(0x0123BABE), *, *, * ~ 2, 0, 0, {"ComponentName"} ; Any older version up to  
; (and including) 2.0.0  
; required
```

From S60 3rd Edition, Feature Pack 2 onwards, Open C libraries are part of the S60 platform and therefore always included in the device software builds. It is possible to check if the Open C libraries are located on the ROM (Z: drive) during installation using the following IF statement:

```
IF exists(z:\system\install\openc_stdlibs_stub.sis)  
; Open C libraries are located on ROM  
ENDIF
```