



<b>ID</b>	CS001438	<b>Creation date</b>	June 18, 2009
<b>Platform</b>	S60 3rd Edition, S60 5th Edition	<b>Tested on devices</b>	Nokia N95
<b>Category</b>	Symbian C++	<b>Subcategory</b>	Code Examples

**Keywords (APIs, classes, methods, functions):** CAknAppUi::HandleResourceChangeL(), CCoeControl::HandleResourceChange()

## Overview

Layout and screen orientation change events are generated when the screen size or layout is changed. The S60 platform supports multiple screen resolutions. Handling this event can be implemented into application CAknAppUi class or application CCoeControl UI controls.

## Source

**Solution 1: UI control derived from CCoeControl can handle layout changes overriding the CCoeControl::HandleResourceChange() method**

```
void CExampleControl::HandleResourceChange(TInt aType)
{
    // Call base class implementation
    CCoeControl::HandleResourceChange(aType);
    if ( aType==KEikDynamicLayoutVariantSwitch )
    {
        TRect rect;
        // Ask where container's rectangle should be
        // EMainPane equals to area returned by
        // CEikAppUi::ClientRect()
        AknLayoutUtils::LayoutMetricsRect (
            AknLayoutUtils::EMainPane,rect);
        // Set new screen rect
        SetRect(rect);
    }
}
```

**Solution 2: Application UI class derived from CAknAppUi can override CEikAppUi::HandleResourceChangeL() to get the KEikDynamicLayoutVariantSwitch layout change event.**

## CS001438\_-\_Listening\_for\_screen\_orientation\_changes

```
void CExampleAppUi::HandleResourceChangeL(TInt aType)
{
    // Call base class implementation
    CAknAppUi::HandleResourceChangeL( aType );
    if ( aType == KEikDynamicLayoutVariantSwitch )
    {
        TRect rect;
        // Ask where container's rectangle should be
        // EMainPane equals to area returned by
        // CEikAppUi::ClientRect()
        AknLayoutUtils::LayoutMetricsRect(
            AknLayoutUtils::EMainPane, rect);

        // Set new screen rect
        // Must not call this if the iExampleControlContainer
        // component is on the control stack
        iExampleControlContainer->SetRect(rect);
    }

    // Must not call this if the iSomeDialog
    // component is on the control stack
    //iSomeDialog->HandleResourceChangeL( aType );
}
```

## See also

[TSS001178 - Switching orientation in dialog-based applications](#)

## Postconditions

A layout change event is received and the new layout size is read.