Archived:Incorrect values from AknLayoutUtils:LayoutMetricsRect on E71 (Known Issue)

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The `AknLayoutUtils:LayoutMetricsRect()` function returns incorrect values for some screen areas on the Nokia E71 and the Nokia E63. This known issue has been verified by Nokia Developer.

Description

On the Nokia E71 (sw version 100.07.76) `LayoutMetricsRect()` returns the following incorrect coordinates:

Layout component	Top left	Bottom right
EStatusPane,EStatusPaneTop	(0, 0)	(320, -53)
EControlPane	(0, 293)	(320, 320)

Both the bottom right corner of `EStatusPane` and the vertical position of `EControlPane` are incorrect. However, the height of the control pane is correct.

Solution

Use coordinates of other areas which return correct values (for example, `AknLayoutUtils::ENaviPane`) and knowledge of screen size to adjust the bottom right corner of the status pane and to move the control pane area upwards to be aligned with the bottom of the screen:

```
#include <aknutils.h>
#include <hal.h>

AknLayoutUtils::LayoutMetricsRect( AknLayoutUtils::EStatusPane,
                                   statusPaneRect );

AknLayoutUtils::LayoutMetricsRect( AknLayoutUtils::EControlPane,
                                   controlPaneRect );

AknLayoutUtils::LayoutMetricsRect( AknLayoutUtils::ENaviPane,
                                   naviPaneRect );

AknLayoutUtils::LayoutMetricsRect( AknLayoutUtils::EScreen,
                                   screenRect );

// Adjust area so that bottom aligns with bottom of screen
if( controlPaneRect.iBr.iY > screenRect.Height() )
  {
  controlPaneRect.Move( 0, screenRect.Height() - controlPaneRect.iBr.iY );
  }
// Adjust bottom right coordinate of StatusPane rect
if(naviPaneRect.iBr.iY < 0)
  {
  statusPaneRect.iBr.iY = naviPaneRect.iBr.iY;
  }
```


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