Location MIDlet closed after 110th orientation call in S60 5th Edition (Known Issue)

Description

`Orientation.getOrientation()` returns the terminal's current orientation. This information can be retrieved from Nokia devices equipped with built-in magnetometer hardware.

On S60 5th Edition devices, heavy usage of `Orientation.getOrientation()` results in the location MIDlet closing either without an exception or with **java.lang.OutOfMemoryError**. The closing happens right after the 110th method call.

How to reproduce

1. Implement a test MIDlet by using the following code:

```
import javax.microedition.lcdui.Display;
import javax.microedition.lcdui.Form;
import javax.microedition.location.LocationException;
import javax.microedition.location.Orientation;
import javax.microedition.midlet.*;

public class LocationTest extends MIDlet {

   Display d;
   Form f;
   boolean running = false;
   Thread t = null;
   protected int interval = 1000;


   public LocationTest() {

           d=Display.getDisplay(this);
           f=new Form("Location Test");
           startRequesting();
           }

   public void startApp() {
       d.setCurrent(f);
   }


   public void show(String s) {
       f.append(s);
   }

   //Implement the orientation updating activity within a thread
   public void startRequesting() {
       t = new Thread(new Runnable() {

           public void run() {
               running = true;
               try {
                   while (running) {
                       updateOrientation();
                       Thread.sleep(interval);
                   }
               } catch (InterruptedException ex) {
                   show("Exception: "+ex.toString());
               }
           }
       });
       t.start();
   }

   int num = 0;
   private void updateOrientation() {

       Orientation o;
       String s;
       try {
           f.deleteAll();
           o = Orientation.getOrientation();
          show("Orientation.getOrientation(): "+num);
           num++;

       }
        catch (LocationException ex) {

            show("Exception: " +ex.toString());
```


(c) Copyright Nokia 2013. All rights reserved.

```
        }

    }

    public void pauseApp() {
    }

    public void destroyApp(boolean unconditional) {
    }
}
```

2. Install the MIDlet and wait for it to reach the 110th method call of `Orientation.getOrientation()`.

Solution

This issue is expected to be fixed in future firmware releases for the affected devices.

(c) Copyright Nokia 2013. All rights reserved.

(C) Copyright Nokia 2013. All rights reserved.