Reading IMSI in 3rd edition -Synchronously

IMSI stands for "International Mobile Subscriber Identity".

IMSIApp.h

```
#include <e32base.h>
#include <Etel3rdParty.h>

class CIMSIApp : public CActive
{
 private:
  void ConstructL();
  CTelephony* iTelephony;
  CTelephony::TSubscriberIdV1 iSubscriberIdV1;
         CTelephony::TSubscriberIdV1Pckg iSubscriberIdV1Pckg;

 public:
  CIMSIApp(TDes& aIMSI);
  static void GetIMSI(TDes& aIMSI);
  TDes& IMSI;

 private:
    /*
       These are the pure virtual methods from CActive that
       MUST be implemented by all active objects
       */
  void RunL();
  void DoCancel();
};
```

IMSIApp.cpp

```
#include "IMSIApp.h"

void CIMSIApp::GetIMSI(TDes& aIMSI)
{
 CIMSIApp* self= new (ELeave) CIMSIApp(aIMSI);
 CleanupStack::PushL(self);
 self->ConstructL();
 CleanupStack::PopAndDestroy(self);
}

void CIMSIApp::ConstructL()
{
 iTelephony = CTelephony::NewL();
 CActiveScheduler::Add(this);

 iTelephony->GetSubscriberId(iStatus,iSubscriberIdV1Pckg);
 SetActive();
 CActiveScheduler::Start();
}

CIMSIApp:: CIMSIApp(TDes& imsi): CActive(EPriorityStandard),IMSI(imsi), iSubscriberIdV1Pckg(iSubscriberIdV1)
{
 //default constructor
}

void CIMSIApp::RunL()
{
 if(iStatus==KErrNone)
 {
  IMSI = iSubscriberIdV1.iSubscriberId;
  CActiveScheduler::Stop();
 }
}

void CIMSIApp::DoCancel()
{
 iTelephony->CancelAsync(CTelephony::EGetSubscriberIdCancel);
}
```

Now do the following steps:
1) Create a sample "Hello World" type application.
2) Put **IMSIApp.h** file in your application's "inc" folder.
3) Put **IMSIApp.cpp** file in your application's "src" folder.
4) Open .mmp file and add entry **SOURCE IMSIApp.cpp**.
5) Open .mmp file and add entry **LIBRARY etel3rdparty.lib**.
7) Now you need to include following header in your class to read IMSI:
#include "IMSIApp.h". Let's say in for e.g.: **"CYrAppUi.h"**
8) You can then call the static function from any of your Commands.
For ex: in your **CYrAppUi.h** you need to include **"IMSIApp.h"**
And Call it like:

```
case EReadIMSICommand1:
{
     TBuf<25> iIMSI;
     CIMSIApp::GetIMSI(iIMSI);
     CAknInformationNote* informationNote = new (ELeave) CAknInformationNote;
     informationNote->ExecuteLD(iIMSI);
}
```


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9) Open .mmp file and add entry **CAPABILITY ReadDeviceData**.
10) You need to sign resulted .Sis file with your developer certificate to get it installed on your phone.

You can find a working application which can be built with Carbide.c++
Here it goes: Read IMSI

See Also

- IMSI on Wikipedia
- Online tool to analyze IMSI
- Get the IMEI, IMSI, CellId etc., synchronously on 3.x devices (Blog no longer available, content reproduced below:)

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