

IMEI stands for "International Mobile Equipment Identity". There is a frequent use of reading IMEI in mobile phone development. People generally use IMEI for license/full version support of an application.

IMEIApp.h

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

class CIMEIApp : public CActive
{
private:
void ConstructL();
    * iTelephony
    ::TPhoneIdV1;
    CTelephony::TPhoneIdV1Pckg iPhoneIdV1Pckg;

public:
    (TDes& aIMEI)
    (); ~CIMEIApp
static void GetIMEI(TDes& aIMEI);
    & IMEI; TDes

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

IMEIApp.cpp

```
#include "IMEIApp.h"

void CIMEIApp::GetIMEI(TDes& aIMEI)
{
    CIMEIAppnew (ELeave) CIMEIApp(aIMEI);
    CleanupStack(self);
    ->ConstructL();
    CleanupStackDestroy(self);
}

void CIMEIApp::ConstructL()
{
    iTelephony::NewL();
    CActiveScheduler(this);

    iTelephonyId(iStatus, iPhoneIdV1Pckg);
    SetActive
    CActiveScheduler();
}

CIMEIApp:: CIMEIApp(TDes& imei): CActive(EPriorityStandard), IMEI(imei), iPhoneIdV1Pckg(iPhoneIdV1)
{
    //default constructor
}
```

```
CIMEIApp::~CIMEIApp()
{
    delete iTelephony;
    iTelephony = NULL;
}

void CIMEIApp::RunL()
{
    if(iStatus==KErrNone)
    {
        = iPhoneIdV1.iSerialNumber;
        CActiveScheduler;
    }
}

void CIMEIApp::DoCancel()
{
    iTelephony->CancelAsync(CTelephony::EGetPhoneIdCancel);
}
```

Now do the following steps:

- 1) Create a sample "Hello World" type application.
- 2) Put **IMEIApp.h** file in your application's `inc` folder.
- 3) Put **IMEIApp.cpp** file in your application's `src` folder.
- 4) Open `.mmp` file and add entry **SOURCE IMEIApp.cpp**.
- 5) Open `.mmp` file and add entry **LIBRARY etel3rdparty.lib**.
- 7) Now you need to include following header in your class to read IMEI:
#include "IMEIApp.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 **"IMEIApp.h"**
And Call it like:

```
case EReadIMEICommand1:
{
    TBuf<25> iIMEI;
    CIMEIApp::GetIMEI(iIMEI);
    CAknInformationNote* informationNote = new (ELeave) CAknInformationNote;
    informationNote->ExecuteLD(iIMEI);
}
```

You can find a working application which can be built with [Carbide.c++](#).
Here it goes: [\[Read IMEI\]](#)

See Also

- [IMEI on Wikipedia](#)
 - [Online tool to analyze IMEI](#)
 - [DevInfo - Get the IMEI, IMSI, CellId etc., synchronously on 3.x devices.](#)
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