



CImeiReader example illustrates how to read IMEI (which is an identification number that is unique for each mobile phone) in 3rd Edition Symbian devices. Note that this code will most likely not work in the emulator. Thus, you should only use it in real devices.

Library Needed:

```
LIBRARY etel3rdParty.lib
```

IMEI_Getter.cpp

```
#include "IMEI_Getter.h"

CImeiReader* CImeiReader::NewL(MImeiObserver* aObserver)
{
    CImeiReader* self = NewLC(aObserver);
    CleanupStack::Pop(self);
    return self;
}

CImeiReader* CImeiReader::NewLC(MImeiObserver* aObserver)
{
    CImeiReader* self = new (ELeave) CImeiReader(aObserver);
    CleanupStack::PushL(self);
    self->ConstructL();
    return self;
}

CImeiReader::CImeiReader(MImeiObserver* aObserver)
: CActive(EPriorityStandard), iObserver(aObserver), iIdV1Pkg(iIdV1)
{
}

CImeiReader::~CImeiReader()
{
    Cancel();
    delete iTelephony;
}

void CImeiReader::ConstructL(void)
{
    CActiveScheduler::Add(this);

    iTelephony = CTelephony::NewL();
    iTelephony->GetPhoneId(iStatus, iIdV1Pkg);
    SetActive();
}

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

void CImeiReader::RunL()
```

Reading_IMEI_in_3rd_Edition

```
{  
    iObserver->GotIMEIL(iIdV1.iSerialNumber,iStatus.Int());  
}
```

IMEI_Getter.h

```
#include <Etel3rdParty.h>  
  
class MImeiObserver  
{  
public:  
    virtual void GotIMEIL(const TDesC& aIMEI,TInt aError) = 0;  
};  
  
class CImeiReader : public CActive  
{  
public:  
    static CImeiReader* NewL(MImeiObserver* aObserver);  
    static CImeiReader* NewLC(MImeiObserver* aObserver);  
    ~CImeiReader();  
  
protected:  
    void DoCancel();  
    void RunL();  
  
private:  
    CImeiReader(MImeiObserver* aObserver);  
    void ConstructL(void);  
  
private:  
    MImeiObserver* iObserver;  
    CTelephony* iTelephony;  
    CTelephony::TPhoneIdV1 iIdV1  
    CTelephony::TPhoneIdV1Pckg iIdV1Pckg;  
};
```

See Also

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