



CCellIDCheck implementation illustrates how to get Cell ID information using CTelephony. Note that this example is intended to be used only with S60 3rd Edition devices, and does not work with pre-3rd Edition devices.

To use this example first implement the callback interface function in the implementing class and then construct an instance of the CCellIDCheck. The callback function will be then called with the current Cell Id information. The aCountryCode argument variable will have the three digit country code of the network, and aNwId will have two digit network operator identification inside that country.

aAreaCode then indicates a area inside the operators network and the aCellId is unique cell identifier inside that operators area.

Headers required:

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

Library required:

```
LIBRARY          etel3rdparty.lib
```

Capabilities required:

```
capability          ReadUserData  ReadDeviceData  Location
```

GetCellID.cpp

```
CCellIDCheck::~CCellIDCheck()
{
    ()Cancel
delete iTelephony;
}

void CCellIDCheck::ConstructL(void)
{
    iTelephony = CTelephony::NewL();
    iTelephony->GetCurrentNetworkInfo(iStatus, iIdV1Pkg);
    SetActive
}

CCellIDCheck::CCellIDCheck(MCellIdObserver& aObserver)
: CActive(EPriorityNormal), iObserver(aObserver), iIdV1Pkg(iIdV1)
{
    CActiveSchedulerAdd(this);
}

void CCellIDCheck::RunL()
{
    iObserver.CellIDL(iIdV1.iCountryCode, iIdV1.iNetworkId, iIdV1.iLocationAreaCode, iIdV1.iCellId);
}

void CCellIDCheck::DoCancel()
{

```

Cell_ID_with_CTelephony

```
        iTelephony.Async(CTelephony::EGetCurrentNetworkInfoCancel);  
    }  
}
```

GetCellID.h

```
#include <Etel3rdParty.h>  
  
class MCellIdObserver  
{  
public:  
    virtual void CellIDL(const TDesC& aCountryCode, const TDesC& aNwId, TUint aAreaCode, TUint aCellId)  
};  
  
class CCellIDCheck : public CActive  
{  
public:  
    CCellIDCheck(MCellIdObserver& aObserver);  
    void ConstructL(void);  
    ~CCellIDCheck  
private:  
    void RunL();  
    void DoCancel();  
private:  
    MCellIdObserver iObserver;  
    CTelephony* iTelephony;  
    CTelephony::TNetworkInfoV1 iIdV1;  
    CTelephony::TNetworkInfoV1Pkg iIdV1Pkg;  
};
```

Related Links

- [Usage of CTelephony](#)
- [Find Out Cell ID in 3rd Edition](#)