Archived:Telephony Call Information Symbian API

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The article is believed to be still valid for the original topic scope.

Note: This API is not part of the public SDK. ~~It can be found in the SDK API Plug-in.~~ The API is only available through Accessing internal platform APIs through the API Partnering Program and it is subject to the corresponsing license agreement.

The Telephony Call Information API provides keys to check the Telephony Call Status, such as Dialling, Answering, Ringing, and Hold state, and the Telephony Call Type, such as Data Call, Voice Call, and Fax.

Use cases

The keys can be used to find out the call type and status of an ongoing call.

Example code

Headers

```
#include <ctsydomainpskeys.h> // new header for S60 3rd Edition, FP2
#include<e32property.h>
```

Call type and status can be checked by passing `KPSUidCtsyCallInformation` (Telephony call handling PS UID) and `KTelephonyCallState` or `KTelephonyCallType` to the `Get()` method of RProperty, which is the user-side interface to Publish & Subscribe, as shown in the following example.

The `RProperty` type of the `KCTsyCallState` and the `KCTsyCallType` property is EInt.

```
void CCallStatusAppUi::GetTelephonyStateAndType()
 {
     TBuf<20> printInfo;
     TInt aVal;
     RProperty iRP;
     iRP.Get(KPSUidCtsyCallInformation ,KCTsyCallState ,aVal);
     switch(aVal)
     {
      case EPSCTsyCallStateUninitialized:
      {
      printInfo.AppendNum(aVal);
      CEikonEnv::InfoWinL(_L("Call Status - Uninitialized:"),printInfo);
      }
      break;
      case EPSCTsyCallStateNone:
      {
      printInfo.AppendNum(aVal);
      CEikonEnv::InfoWinL(_L("Call Status - None:"),printInfo);
      }
      break;
      case EPSCTsyCallStateAlerting:
      {
      printInfo.AppendNum(aVal);
      CEikonEnv::InfoWinL(_L("Call Status - Alert:"),printInfo);
      }
      break;
      case EPSCTsyCallStateRinging:
      {
      printInfo.AppendNum(aVal);
      CEikonEnv::InfoWinL(_L("Call Status - Ringing:"),printInfo);
      }
      break;
      case EPSCTsyCallStateDialling:
      {
      printInfo.AppendNum(aVal);
      CEikonEnv::InfoWinL(_L("Call Status - Dialing:"),printInfo);
      }
       ..............
       ..............
     }

     printInfo.Zero();

     iRP.Get(KPSUidCtsyCallInformation ,KCTsyCallType ,aVal);
     switch (aVal)
     {
      case EPSCTsyCallTypeUninitialized:
      {
      printInfo.AppendNum(aVal);
      CEikonEnv::InfoWinL(_L("Call Type - Uninitialized:"),printInfo);
      }
      break;
      case EPSCTsyCallTypeNone:
      {
      printInfo.AppendNum(aVal);
      CEikonEnv::InfoWinL(_L("Call Type - None:"),printInfo);
      }
      break;
      case EPSCTsyCallTypeCSVoice:
      {
      printInfo.AppendNum(aVal);
      CEikonEnv::InfoWinL(_L("Call Type - CSVoice:"),printInfo);
```


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```
        }
        break;
        case EPSCTsyCallTypeFax:
        {
        printInfo.AppendNum(aVal);
        CEikonEnv::InfoWinL(_L("Call Type - Fax:"),printInfo);
        }
         ..............
         ..............
       }
   }
```

The enumerations are as follows:

enum TPSCTsyCallState :

```
    EPSCTsyCallStateUninitialized,
    EPSCTsyCallStateNone,
    EPSCTsyCallStateAlerting,
    EPSCTsyCallStateRinging,
    EPSCTsyCallStateDialling,
    EPSCTsyCallStateAnswering,
    EPSCTsyCallStateDisconnecting,
    EPSCTsyCallStateConnected,
    EPSCTsyCallStateHold
```

enum TPSCTsyCallType:

```
    EPSCTsyCallTypeUninitialized,
    EPSCTsyCallTypeNone,
    EPSCTsyCallTypeCSVoice,
    EPSCTsyCallTypeFax,
    EPSCTsyCallTypeData,
    EPSCTsyCallTypeHSCSD,
    EPSCTsyCallTypeH324Multimedia,
    EPSCTsyCallTypeVoIP
```

Example project

The following application has been tested on the Nokia N78: File:TelephonyCallInfoAPIFor3rdFP2.zip.

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