Sending USSD commands

This article explains how to send USSD commands using AT commands.

Introduction

How to dial a string (with pause characters) explains how to Dial a string in S60 3rd edition using `CPhCltDialer` and `TPhCltExtPhoneDialData`. This does not work on S60 3rd edition Feature Pack 1.

This article shows how to workaround this problem. The solution is to send USSD commands using AT commands (APIs used are `RCommServ` and `RComm`).

Code

Header Files:

C32COMM.H

Libraries:

c32.lib

Capabilities:

CommDD ReadDeviceData WriteDeviceData NetworkControl SwEvent NetworkServices LocalServices

ReadUserData WriteUserData UserEnvironment

code Examples

Initializing code

```
_LIT(KCsyName,"DATAPORT");
_LIT(KDataPort,"DATAPORT::1");// this works with CUSD
//Start the service to the RCommServ
User::LeaveIfError(StartC32());
RCommServ iCommServer;
// Connect the server
User::LeaveIfError(iCommServer.Connect());
// Load the CSY module
User::LeaveIfError(iCommServer.LoadCommModule(KCsyName()));
RComm iComm;
// Open the port
User::LeaveIfError(iComm.Open (iCommServer, KDataPort, ECommShared));
```

Issue Request Code

Sending Ordinary Message

```
_LIT(KTestCommandEnd,"\r\n");
//iSendString has the data which is entered through a Dialog Box
//It should be appended with KTestCommandEnd
iSendString.Append(KTestCommandEnd);
iReplyData.Copy(iSendString);
//We write this information to the serial port
iComm.Write(iStatus,iReplyData);
SetActive();
```

Handling code after the Request is done

```
_//Reset the Buffer to read more information
iReplyData.Zero();
//Issue Request for more Information
iComm.ReadOneOrMore(iStatus, iReplyData);
SetActive();
```

Releasing code

(C) Copyright Nokia 2013. All rights reserved.

```
iComm.Close();
iCommServer.Close();
```

The following is the document which describes how to pass AT commands for Call Waiting and Forwarding:
File:AT-Commands.doc

Example Project

File:Send AT Commands.zip

(C) Copyright Nokia 2013. All rights reserved.

(C) Copyright Nokia 2013. All rights reserved.