

Globalstar™



Globalstar UTPST Script API Reference Manual
<i>80-99114-1 Rev. B</i>

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Globalstar UTPST Script API Reference Manual

80-99114-1 Rev. B

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1

2

1. Overview

3 The UTPST now supports a Scripting API (Application Programming
4 Interface) This API is implemented as a language-independent OLE
5 Automation based API. Any language that supports accessing OLE
6 Automation objects can be used to access this Script API. Examples of this
7 are Microsoft's VBScript and Microsoft's Visual Basic languages. The Script
8 API functions will access the data items on the UT directly and will not
9 interact with the UTPST User Interface.

10 The UTPST does not ship a specific scripting language as a part of the
11 UTPST application. It assumes users will use the scripting language of their
12 choice. Microsoft Windows Scripting Host is readily available to many users,
13 as it is shipped integrated into Windows 98 and Windows 2000. Microsoft
14 Windows Scripting Host can be installed on Windows NT 4.0 and Windows 95
15 using various methods. Users can install Microsoft Internet Explorer 3.0 or
16 later and choose to install Windows Scripting Host as a part of the
17 installation, for example.

18

Note

19

The default Windows NT 4.0 Internet Explorer (as of Service
Pack 3 and 4) does not include Windows Scripting Host.

20

21 This API supports the IErrorInfo interface for those scripting languages that
22 allow access to it. This allows the UTPST API to provide extended error
23 information, such as strings, to interested API callers.

24 In general, if an NV item associated with a particular API does not exist on
25 the connected phone, the API will return a failed HRESULT. On some
26 scripting languages, this results in the script being terminated after
27 displaying the error code and associated error string. If this behavior is
28 undesirable, it is up to the user to query the phone model and/or phone
29 version prior to requesting a particular item. Whether an item exists on a
30 particular phone model is documented within the User Terminal Service
31 Programming Guide (MCN 80-98482-1).

1 Some of the NV items displayed by the UTPST GUI are displayed as strings
2 in combo boxes. These are typically enumerated values in the phone. In these
3 cases, the UTPST Script object will use numeric values to represent the
4 enumerated values rather than strings. This is to avoid the unnecessary
5 complication of translating the strings to other languages for API calls.
6 Strings are used only when a string accurately and in a language-
7 independent way represents the value of the property itself – for example,
8 the banner.

9 Keep the following in mind when using scripting:

- 10 • Most methods are intended for use only on phones that are fully
11 connected to the script object. Methods that will operate on phones
12 that are in the Attempting Connection state are specifically identified.
- 13 • There is no API for Swap Phone. Swap Phone is an interactive process
14 at the GUI level of the UTPST GUI. Script writers can construct Swap
15 Phone functionality using the Connect(), Disconnect(),
16 ConnectionState(), ResetUT(), IncrementWDCSwapCount(),
17 SaveSettings() and RestoreSettings() APIs. A sample script is provided
18 that will perform the Swap Phone task.
- 19 • There is no API for Summary Data File generation. That is because
20 the individual items in the summary data file are available via
21 individual APIs, eliminating the need to generate Summary Data
22 Files.
- 23 • All calls are blocking calls. That is, they block until the call has
24 completed. Some of the calls, such as *SaveSettings()*, are long-running
25 calls that may take a significant amount of time. In a future release, it
26 may be possible to add additional calls to support non-blocking
27 functionality for these long-running functions, perhaps using events or
28 additional polling function calls to request status of long-running
29 requests. There are currently no plans to add this functionality,
30 however.

31 To provide maximum compatibility for various scripting languages with
32 regards to parameters of type BOOL, the APIs accept 0 to represent FALSE,
33 and any non-zero value to represent TRUE for any call that attempts to set or
34 otherwise update a BOOL-based value. However, the APIs will return 0 to
35 represent FALSE and 1 to represent TRUE for any call that attempts to read
36 or otherwise retrieve a BOOL-based value. That is because the phone
37 generally stores TRUE values as 1.

1.1 Class and Interface Identifiers

The class identifier for the script object is "UTPST.Script". The interface to use is the default IDispatch interface. Currently that is "IPstScript". Using this information you can load the script object for use within a script engine. For example, in Microsoft VBScript, you can load the object and its default IDispatch interface with the following statement:

```
Dim myobject
Set myobject = CreateObject("UTPST.Script")
```

C++ Considerations

The UTPST ships and installs an optional type library.

```
Type library:  Qualcomm UTPST Script Object 1.0 Type Library
Class library: PXSCRIPTLib
COM class:    PstScript
```

Under Microsoft Visual C++ version 6, you can import the type library using the following statements, assuming that UTPST is installed to the default directory:

```
#import "c:/program files/qualcomm/ut program support
tool/pxscript.exe"
using namespace PXSCRIPTLib;
```

After importing the library, you can access members of the type library using methodology similar to the following sample. If the type library changes (for example, new methods are added to support additional configurable parameters for the phone), then this code needs to be recompiled in order to use the additional methods. You can view the files pxscript.tlh and pxscript.tli to see all of the methods that are automatically generated by the compiler for its wrapper classes. This sample utilizes ATL support and assumes the application is set up to use ATL:

```
IPstScriptPtr pProto;
//load the script object

HRESULT hr = pProto.CreateInstance(__uuidof(PstScript), NULL,
CLSCTX_LOCAL_SERVER);

//connect to the script object. Note the
//need to convert any strings to BSTR's here prior
//to the call. Note the use of CComBSTR -
//it takes care of cleaning up when the method is
//exited. There are other ways of manipulating
//BSTR's of course.

CComBSTR bsPort("COM1");
CComBSTR bsPW("XXXXXX");
```

```
1      pProto->Connect(bsPort.m_str, 115200, -1, bsPW.m_str);
2
3      //try some methods. If any of them throw exceptions,
4      //it's because the ATL code detected a non-successful
5      //hr and threw the exception. A lack of a valid
6      //connection might do this, for example.
7      short sCDMASCI = pProto->CDMA_SlotCycleIndex;
8      //get the cellular IMSI for the Globalstar NAM.
9      _bstr_t bsRetrieve = pProto->CellularIMSI[2];
10     //convert it to something useful - in this case,
11     //we might want to display what we just read in.
12
13     szOut.Format("CDMA Slot Cycle Index: %d\nGlobalstar Shared
14 Cellular IMSI: %s\n",
15     sCDMASCI, (char *)bsRetrieve);
16
17     //now set a few values. Notice how we can do
18     //VB-style assignments here - one of the nice things
19     //about the ATL wrappers.
20
21     pProto->CDMA_SlotCycleIndex = 2;
22     pProto->CellularIMSI[2] = "4567890000000000";
23
24     //Commit changes if desired
25     //pProto->CommitChanges();
26     //reset the phone if desired
27     //pProto->ResetUT();
28     //disconnect if desired, but not necessary -
29     //when the object goes away, it will automatically
30     //disconnect anyway
31     //pProto->Disconnect();
32     //release the pxscript object, we're done
33
34     pProto.Release();
35
36     //end of sample code to exercise the object
```

2. Connection APIs

2.1 Connect

The **Connect** function sets up a connection to the UT.

```
HRESULT Connect ([in] BSTR bsPort, [in] long nBaudRate, [in] long  
nTimeout, [in] BSTR bsSPC, [out, retval] short *psState)
```

Parameters

bsPort

A string that indicates the COM port used for the connection. Common choices on most PC's are "COM1" or "COM2". Ports up to "COM1024" are supported assuming the PC hardware for the requested port is properly installed. Attempts to connect to nonexistent ports result in an HRESULT indicating failure.

nBaudRate

A positive long that indicates the baud rate used. 9600, 19200, 38400, 57600, or 115200 should be used.

nTimeout

-1 indicates an infinite timeout period, i.e. the function will not return until the connection process is fully complete. 0 indicates an immediate return. No other values are accepted. If the phone is not fully operational (for example, the LCD indicates "Flash check failure. Service required."), 0 should be used because using -1 in this case would result in the Connect() call not returning until a phone was attached that would allow a full connection to occur.

bsSPC

A BSTR that indicates the Service Programming Code to be used during the connection attempt. This should be a string of six decimal digits in length.

psState

A positive short that indicates the connection state after the call returns. 1 indicates a full connection established, 2 indicates a pending connection but not full connection, 4 indicates no connection to the UT, and 0 indicates that

1 a failure occurred in the call. If a failure occurred in the call, the user should
2 observe the returned HRESULT for details.

3 **Return Values**

4 S_OK if successful, otherwise a different HRESULT. Extended error
5 information is available.

Note

6
7 Connect() may return successful, but the actual state of the UT
8 connection is returned in the *psState* variable. You can poll the
9 object for its connection state if you wish to wait for connection
10 to complete using the *ConnectionState* property or close the
11 connection using *Disconnect()*.

12 **Remarks**

13 If the function succeeds, a connection is established between the object and
14 the UT. If the connection attempt has a non-recoverable failure, the
15 HRESULT indicates failure. This connection can be terminated and cleaned
16 up using the *Disconnect()* function.

17 The connection object will always attempt to reconnect to a UT immediately
18 after a connection is terminated by any method other than *Disconnect()*
19 without requiring an additional call to *Connect()*. This is useful in situations
20 in which the UT's are being manually disconnected by removing the cable
21 and new UT's are being connected to the same cable. The Script API user is
22 responsible for monitoring the state of the connection in this case using the
23 *ConnectionState* property. If the *Disconnect()* API is used then the object will
24 not attempt to connect to any further UT's until another *Connect()* call is
25 made.

26 If you want to have multiple connections to different UT's from the same
27 script, you'll need to create multiple instances of this object. Each object can
28 only represent one connection to a UT. You can reuse objects that were
29 previously used to connect to a UT and were then disconnected.

30 The *ExclusivePSTCOMPort* property for a UTPST script object defaults to
31 TRUE when the object is created. As long as this property is TRUE for a
32 particular instance of the script object, the script object will not be able to
33 connect to a COM port if the requested COM port already has a UTPST
34 connection, whether that connection exists using the UTPST GUI or by
35 another UTPST script object that also had *ExclusivePSTCOMPort* set to

TRUE. If you want the object to be able to connect to a UTPST COM port that already has an active UTPST connection, the object needs to have *ExclusivePSTCOMPort* set to FALSE prior to calling the *Connect* API. It is worth noting that this allows the script user additional flexibility when using Perl as a scripting language as it facilitates using CTRL-C as a method to terminate Perl scripts. See the documentation on the *ExclusivePSTCOMPort* property for details.

Note

Once the connection is fully active, the UT is placed automatically in Offline state. This is necessary in order for the UTPST to properly program the UT.

After several connection attempts to a phone are made with a bad Service Programming Code, the phone will not allow any more connection attempts until the phone is power-cycled. If a blocking Connect call is made while the phone is in this locked state the Connect call will not return until the phone is reset. The script will need to be restarted in this case.

Example

```
Sub myConnect
Dim myObject
Dim myState
    Set myObject = CreateObject("UTPST.Script")
    myState = myObject.Connect("COM1",115200, -1, "654321")
    If (myState = 1) Then
        MsgBox "Connected to Phone!"
    End If
End Sub
```

2.2 Disconnect

The **Disconnect** function closes down a connection to the UT.

```
HRESULT Disconnect ( )
```

Parameters

None

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

If the function succeeds, any connection to the UT is closed. No automatic reconnection will occur after this call until another *Connect()* call is made.

Note

This method is implicitly called when the script object is destroyed. Therefore, it is acceptable to not use this call to disconnect the object before the script object is destroyed if that is desired.

Example

```
Sub myConnect
Dim myObject
Dim myState
Set myObject = CreateObject("UTPST.Script")
myState = myObject.Connect("COM1", 115200, -1, "654321")
MyObject.Disconnect()
End Sub
```

2.3 ConnectionState

The **ConnectionState** is a read-only property that indicates the state of the UT connection for an object.

Get: HRESULT ConnectionState ([out, retval] short *psState)

Parameters

psState

A positive short that indicates the connection state after the call returns. 1 indicates a full connection established, 2 indicates a pending connection but not full connection, 4 indicates no connection to the UT, and 0 indicates that *Connect()* has not yet been called and no connection state information is available.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

If the function succeeds, the connection state for the object is returned. If the function has a non-recoverable failure, the HRESULT indicates failure. This function has no effect on the state of the connection for the object.

Example

```
Sub myConnect
    Dim myObject
    Dim myState
    Set myObject = CreateObject("UTPST.Script")
    myState = myObject.Connect("COM1",115200, -1, "654321")
    myState = MyObject.ConnectionState
End Sub
```

2.4 ResetUT

The **ResetUT** function issues a reset command to the UT. This causes a UT in a normal state to power cycle.

```
HRESULT ResetUT ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

If the function succeeds, a reset command was successfully sent to the UT. The UT should restart itself. This is necessary to allow the UT to complete the service programming task. This will bring down the script object's connection to the UT.

This command can be used if the connection is fully active or in Attempting Connection state. However, if a UT is inoperable (i.e. the LCD states, "Flash check failure. Service required.") this command will succeed but may be ignored by the UT.

Example

```
Sub myConnect
    'assumes myObject is a connected UTPST.Script object
    myObject.ResetUT
```

1 End Sub

2 **2.5 CommitChanges**

3 The **CommitChanges** function writes all changed NV items to the UT.

4 HRESULT CommitChanges ()

5 **Parameters**

6 None.

7 **Return Values**

8 S_OK if successful, otherwise a different HRESULT. Extended error
9 information is available.

10 **Remarks**

- 11 • This will not reset or otherwise power-cycle the UT. In order for the
12 UT to utilize changes, the script must separately call the ResetUT()
13 method.
- 14 • This will automatically set the Service Programming Date on the UT
15 to the current date and time on the PC.
- 16 • This call usually takes several seconds to execute. It can potentially
17 take up to one minute to execute.

18 **Example**

```
19       Sub myConnect  
20           'assumes myObject is a connected UTPST.Script object  
21           myObject.CommitChanges  
22       End Sub
```

23 **2.6 IsChanged**

24 **IsChanged** is a read-only property that indicates whether there are any
25 changes that have not been written to the phone.

26 Get: HRESULT IsChanged ([out, retval] BOOL *pbChanged)

27 **Parameters**

28 **pbChanged**

29 A BOOL that indicates whether there have been any unwritten changes.
30 TRUE indicates that there are unwritten changes. FALSE indicates that
31 there are no unwritten changes.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

When initially connected to a phone, this will return FALSE. Once changes have been made, this will return TRUE until the changes are committed to the phone using the *CommitChanges()* API. Changes can be made using individual methods such as *GS_Set_IMSI()* or *RestoreSettings()*.

Example

```
Sub myConnect
    'assumes myObject is a connected UTPST.Script object
    Dim myDirty
    myDirty = myObject.IsChanged
End Sub
```

2.7 ScriptObjectVersion

The **ScriptObjectVersion** is a read-only property that indicates the state of the UT connection for an object.

Get: HRESULT ScriptObjectVersion ([out, retval] BSTR *pbsVersion)

Parameters

pbsVersion

A BSTR that indicates the version string for the currently installed script object.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This will match the version string displayed by the UTPST GUI application in the About box.

Example

```
Sub myVersion
    Dim myVersion
    Dim myObject
```

```
1         Set myObject = CreateObject("UTPST.Script")
2         MyVersion = myObject.ScriptObjectVersion
3         MsgBox myVersion
4     End Sub
```

2.8 ExclusivePSTCOMPort

The **ExclusivePSTCOMPort** is a read-write property that indicates whether to make this COM port exclusive to this script object regarding UTPST connections while the script object is connected.

```
9         Get: HRESULT ExclusivePSTCOMPort ([out, retval] BOOL *pbExclusive)
10        Put: HRESULT ExclusivePSTCOMPort ([in] BOOL bExclusive)
```

Parameters

pbExclusive, bExclusive

A BOOL that indicates the whether the COM port connected to by this script object is exclusive to the script object regarding UTPST connections while the script object is connected. TRUE indicates that the COM Port is exclusive. FALSE indicates that the COM Port is not exclusive.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The *ExclusivePSTCOMPort* property for a UTPST script object defaults to TRUE when the object is created. As long as this property is TRUE for a particular instance of the script object, the script object will not be able to connect to a COM port if the requested COM port already has a UTPST connection, whether that connection exists using the UTPST GUI or by another UTPST script object that also had *ExclusivePSTCOMPort* set to TRUE. If you want the object to be able to connect to a UTPST COM port that already has an active UTPST connection, the object needs to have *ExclusivePSTCOMPort* set to FALSE prior to calling the *Connect* API.

Setting this property to FALSE is particularly useful and strongly suggested when the script language is Perl. Perl allows a user to terminate a script 'abnormally' using the Control-C keyboard combination. Script languages generally run as separate processes and can be terminated by Task Manager as another example that is considered abnormal termination. If *ExclusivePSTCOMPort* is set to TRUE when the script language is terminated abnormally, the script object does not have the opportunity to

clean up prior to the script language client going away. The operating system detects this situation and unloads the orphaned script object after about six minutes. Until the operating system unloads the orphaned script object, the orphaned script object will have that COM port locked and no further UTPST connections is allowed to that COM port.

By setting *ExclusivePSTCOMPort* to FALSE, a Perl (or other script language) user that abnormally terminates a script can immediately initiate another script to connect to the same COM port. The previously orphaned script object becomes irrelevant and is unloaded by the operating system after about six minutes.

This property only takes effect on subsequent Connect API calls for the script object it is called against, so it is recommended that this call be made immediately after an object is created.

Example

```
Sub myNotExclusive
    Dim myObject
    Set myObject = CreateObject("UTPST.Script");
    'set the object's COM Port to be non-exclusive
    myObject.ExclusivePSTCOMPort = FALSE;
    'proceed with connecting to the phone
    myState = myObject.Connect("COM1",115200, -1, "654321")
End Sub
```

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3. File Management APIs

The file management APIs all assume a fully active connection to the UT. The calls will fail if no such connection exists or if the item queried for does not exist on the connected phone.

3.1 SaveSettings

SaveSettings saves the NV settings of the currently connected phone to the specified file.

```
HRESULT SaveSettings ([in] BSTR bsSettingsFile)
```

Parameters

bsSettingsFile

A BSTR that indicates the fully qualified file name of the file to save NV settings to. If this is an invalid file name or the file cannot be opened with write privileges, an error is returned.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

This function make take a minute or more before returning.

Remarks

None.

Example

```
Sub mySaveSettings
    'assumes myObject is a connected UTPST.Script object
    'save settings, don't return until task completed
    myObject.SaveSettings("C:\FILE.PST")
End Sub
```

3.2 RestoreSettings

RestoreSettings restores the NV settings from a previously saved NV file to the currently connected phone.

```
HRESULT RestoreSettings ([in] BSTR bsSettingsFile, [in] BSTR  
bsLogFile, [in] BOOL bWriteToPhone)
```

Parameters

bsSettingsFile

A BSTR that indicates the fully qualified file name of the file to read NV settings from. If this is an invalid file name or the file cannot be opened with read privileges, an error is returned. This file should have been previously created by the UTPST GUI or by the SaveSettings() API.

bsLogFile

A BSTR that indicates the fully qualified file name of the file to write logging information to. If this is an invalid file name or the file cannot be opened with write privileges, an error is returned. This file will contain logging information regarding the disposition of each NV item stored in the file. This parameter can be an empty string if the script write does not want to produce a log of changes to the phone. This file is reinitialized every time this API is executed.

bWriteToPhone

A BOOL that indicates whether the API should immediately write the data read from the file to the phone. This is equivalent to a call to *CommitChanges()*. TRUE indicates that it should commit the changes to the phone. FALSE indicates that it should not commit changes to the phone. If this parameter is FALSE there is no data written to the log file indicated by bsLogFile.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

This function make take a minute or more before returning.

Remarks

None.

Example

```
1
2   Sub myRestoreSettings
3       'assumes myObject is a connected UTPST.Script object
4       'restore settings from a previously saved NV file,
5       'save results to a log file, write data to the phone,
6       'don't return until task completed.
7       myObject.RestoreSettings "C:\FILE.PST","C:\FILE.LOG", TRUE
8   End Sub
9
```

- 1 This page intentionally left blank.

4. Software Upgrade APIs

The Software Upgrade APIs can work with a connection that is fully active or in attempting connection state.

4.1 SoftwareUpgrade

SoftwareUpgrade upgrades the UT application software of the currently connected phone by downloading the specified file to the phone.

```
HRESULT SoftwareUpgrade ([in] BSTR bsSoftwareFile)
```

Parameters

bsSoftwareFile

A BSTR that indicates the fully qualified file name of the UT application software file to download to the UT. If this is an invalid file name or the file cannot be opened with read privileges, an error is returned. If this is not a valid UT application software file, an error is returned.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

It is highly likely that upgrading software on the phone will cause NV to reset to defaults, resulting in the loss of all service programming on the phone. If the script writer wishes to preserve settings, they must call *SaveSettings()* prior to calling this API, then call *RestoreSettings()* after calling this API.

The UT is automatically reset after the completion of this API.

This function may take several minutes before returning, depending on file size.

Example

```
Sub myMainUpgrade
    'assumes myObject is a connected UTPST.Script object
    'upgrade software, don't return until task completed
    myObject.SoftwareUpgrade("C:\ut4Mflash.hgz")
End Sub
```

4.2 BootblockUpgrade

BootblockUpgrade upgrades the UT boot block software of the currently connected phone by downloading the specified file to the phone.

```
HRESULT BootblockUpgrade ([in] BSTR bsBootblockFile)
```

Parameters

bsBootblockFile

A BSTR that indicates the fully qualified file name of the UT boot block software file to download to the UT. If this is an invalid file name or the file cannot be opened with read privileges, an error is returned. If this is not a valid UT boot block software file, an error is returned.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

This function may take several minutes before returning, depending on file size.

Remarks

Upgrading the boot block software on a phone will automatically invalidate the main phone application software. It is necessary for the script writer to call *SoftwareUpgrade()* after calling this API in order to update the main phone application software or the phone will be inoperable.

For portable phones, it is necessary to have a "Download Security Module" available in order for the boot block to be upgraded. It should be inserted prior to calling this API. It can be removed after calling this API. It is up to the script writer to prompt the script user to perform this task.

It is highly likely that upgrading software on the phone will cause NV to reset to defaults, resulting in the loss of all service programming on the phone. If the script writer wishes to preserve settings, they must call

1 *SaveSettings()* prior to calling this API, then call *RestoreSettings()* after
2 calling *BootblockUpgrade()*.

3 The UT is automatically reset after the completion of this API.

4 **Example**

```
5 Sub myFullUpgrade
6     'assumes myObject is a connected UTPST.Script object
7     'upgrade boot block, don't return until task completed
8     myObject.BootblockUpgrade("C:\utbootblock.hex")
9     'upgrade software, don't return until task completed
10    myObject.SoftwareUpgrade("C:\ut4Mflash.hgz")
11 End Sub
```

12 **4.3 DownloadRAMProgram**

13 **DownloadRAMProgram** downloads a RAM program to the UT and
14 executes it on the UT. It is typically used to run one-time programs that
15 update a portion of the phone such as the RF Calibration block.

```
16 HRESULT DownloadRAMProgram ([in] BSTR bsSoftwareFile)
```

17 **Parameters**

18 **bsSoftwareFile**

19 A BSTR that indicates the fully qualified file name of the UT software file to
20 download to the UT. If this is an invalid file name or the file cannot be
21 opened with read privileges, an error is returned. There is no check to see if
22 the requested file is or is not a valid phone software file. This is because
23 there are valid situations in which non-UT software files are downloaded to
24 the phone, usually as data files for specific UT software programs.

25 **Return Values**

26 S_OK if successful, otherwise a different HRESULT. Extended error
27 information is available.

28 This function make take a minute or more before returning, depending on file
29 size.

30 **Remarks**

31 The UT is NOT automatically reset after the completion of this API. That is
32 because the RAM program may require significant time to execute. It is up to
33 the script writer to call *ResetUT()* or to rely upon the RAM program to reset
34 the UT. If the script writer calls *ResetUT()*, it is suggested that the script

writer have the script perform a few seconds of delay between the DownloadRAMProgram() call and the *ResetUT()* call.

Example

```
Sub myRAMProgram
    'assumes myObject is a connected UTPST.Script object
    'execute RAM program
    myObject.DownloadRAMProgram("C:\utrftcaltest.hex")
End Sub
```

4.4 IncrementWDCSwapCount

IncrementWDCSwapCount increments the swap count digit in the Warranty Date Code. It is typically used by scripts that are performing a phone swap, that is, copying service programming from one phone to another.

```
HRESULT IncrementWDCSwapCount ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The swap count is currently the fifth character in the Warranty Date Code. If the character is '9' the function will return successfully but will not increment the swap count as the swap count is at its maximum allowable value. No other portion of the Warranty Date Code is affected by this function.

Example

```
Sub myIncrement
    'assumes myObject is a connected UTPST.Script object
    'completed the phone swap, increment the Warranty Date
    'Code swap count.
    myObject.IncrementWDCSwapCount
End Sub
```

5. Read Only APIs

The read-only APIs all assume a fully active connection to the UT. The calls fail if no such connection exists or the item does not exist on the phone.

5.1 ESN

The **ESN** is a read-only property that references the Electronic Serial Number.

```
Get: HRESULT ESN ([out, retval] BSTR *pbsESN)
```

Parameters

pbsESN

A BSTR that indicates the Electronic Serial Number. It is in the format of a hexadecimal number. For example, an ESN might be “0x1A2B3C4D5”.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myESN
    'assumes myObject is a connected UTPST.Script object
    Dim myOldESN
    myOldESN = myObject.ESN
End Sub
```

5.2 ManufacturersCode

The **ManufacturersCode** is a read-only property that references the Manufacturers Code.

```
Get: HRESULT ManufacturersCode ([out, retval] BSTR *pbsMC)
```

Parameters

pbsMC

A BSTR that indicates the Manufacturers Code.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myMC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldMC
    myOldMC = myObject.ManufacturersCode
End Sub
```

5.3 CDMA_SCM

The **CDMA_SCM** is a read-only property that references the CDMA Station Class Mark.

```
Get: HRESULT CDMA_SCM ([out, retval] BSTR *pbsCDMA_SCM)
```

Parameters

pbsCDMA_SCM

A BSTR that indicates the CDMA Station Class Mark.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
1 Sub mySCM
2     'assumes myObject is a connected UTPST.Script object
3     Dim myOldSCM
4     myOldSCM = myObject.CDMA_SCM
5 End Sub
```

5.4 GAIProtocolRev

The **GAIProtocolRev** is a read-only property that references the Globalstar Air Interface Protocol Revision Number.

```
10 Get: HRESULT GAIProtocolRev ([out, retval] BSTR *pbsProtocolRev)
```

Parameters**pbsProtocolRev**

A BSTR that indicates the GAI Protocol Revision Number.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
19 Sub myGAI
20     'assumes myObject is a connected UTPST.Script object
21     Dim myOldGAI
22     myOldGAI = myObject.GAIProtocolRev
23 End Sub
```

5.5 IS95ProtocolRev

The **IS95ProtocolRev** is a read-only property that references the IS-95 Protocol Revision Number.

```
28 Get: HRESULT IS95ProtocolRev ([out, retval] BSTR *pbsProtocolRev)
```

Parameters**pbsProtocolRev**

A BSTR that indicates the IS-95 Protocol Revision Number.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myIS95
    'assumes myObject is a connected UTPST.Script object
    Dim myOldIS95
    MyOldIS95 = myObject.IS95ProtocolRev
End Sub
```

5.6 UTVersion

The **UTVersion** is a read-only property that references the User Terminal Software Version Number.

```
Get: HRESULT UTVersion ([out, retval] BSTR *pbsVersion)
```

Parameters

pbsVersion

A BSTR that indicates the User Terminal version information. This is a multi-line string, with the lines being delineated by a carriage-return character followed by a line feed character.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myUTVersion
    'assumes myObject is a connected UTPST.Script object
    MsgBox myObject.UTVersion
End Sub
```

5.7 *UTModel*

The **UTModel** is a read-only property that references the User Terminal Model Number.

```
Get: HRESULT UTModel ([out, retval] BSTR *pbsModel)
```

Parameters

pbsModel

An BSTR that indicates the model number of the User Terminal. It is in the format of a string of decimal digits.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myUTModel
    'assumes myObject is a connected UTPST.Script object
    Dim myOldUTModel
    myOldUTModel = myObject.UTModel
End Sub
```

5.8 *WarrantyDateCode*

The **WarrantyDateCode** is a read-only property that references the Warranty Date Code.

```
Get: HRESULT WarrantyDateCode ([out, retval] BSTR *pbsWDC)
```

Parameters

pbsWDC

A BSTR that indicates the WarrantyDateCode.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Warranty Date Code has a digit for its last character that represents the number of phone swaps performed on this phone. You can increment the last digit using the *IncrementWDC()* function.

Example

```
Sub myWDC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldWDC
    MyOldWDC = myObject.WarrantyDateCode
End Sub
```

5.9 GUMHardwareVersion

The **GUMHardwareVersion** is a read-only property that references the hardware version number of the Globalstar User Modem (GUM) Version.

```
Get: HRESULT GUMHardwareVersion ([out, retval] short *psHWVer)
```

Parameters

psHWVer

An unsigned short that indicates the GUM Hardware Version.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myGUMHWVer
    'assumes myObject is a connected UTPST.Script object
    Dim myOldGUMHWVer
    myOldGUMHWVer = myObject.GUMHardwareVersion
End Sub
```

5.10 GUMSoftwareVersion

The **GUMSoftwareVersion** is a read-only property that references the software version number of the Globalstar User Modem (GUM) Version.

```
Get: HRESULT GUMSoftwareVersion ([out, retval] short *psSWVer)
```

Parameters

psSWVer

An unsigned short that indicates the GUM Software Version.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myGUMSWVer
    'assumes myObject is a connected UTPST.Script object
    Dim myOldGUMSWVer
    myOldGUMSWVer = myObject.GUMSoftwareVersion
End Sub
```

5.11 DSPFirmwareVersion

The **DSPFirmwareVersion** is a read-only property that references the DSP Firmware Version String.

Get: HRESULT DSPFirmwareVersion ([out, retval] BSTR *pbsDSP)

Parameters

pbsDSP

A BSTR that indicates the DSP Firmware version information. This is a multi-line string, with the lines being delineated by a carriage-return character followed by a line feed character.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
1 Sub myDSP
2     'assumes myObject is a connected UTPST.Script object
3     MsgBox myObject.DSPFirmwareVersion
4 End Sub
```

5.12 SMID

The **SMID** is a read-only property that references the Security Module Identifier.

```
9 Get: HRESULT SMID ([out, retval] BSTR *pbsSMID)
```

Parameters

pbsSMID

A BSTR that indicates the Security Module Identifier. It is in the format of a string of decimal digits.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
19 Sub mySMID
20     'assumes myObject is a connected UTPST.Script object
21     Dim myOldSMID
22     myOldSMID = myObject.SMID
23 End Sub
```

5.13 UTType

The **UTType** is a read-only property that references the User Terminal Model Number.

```
26 Get: HRESULT UTType ([out, retval] short *psType)
```

Parameters**psType**

An unsigned short that indicates the model type of the User Terminal. 0 indicates UT is of type “Mobile”. 1 indicates UT is of type “Portable”. 2 indicates UT is of type “Fixed”, 3 indicates “Maritime”, 4 indicates “Data modem”, 5 indicates “UT_TYPE_5”, 6 indicates “UT_TYPE_6”, and 7 indicates “Reserved”.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

Sub myUTType
    'assumes myObject is a connected UTPST.Script object
    Dim myOldUTType
    myOldUTType = myObject.UTType
    If (myOldUTType = 1) Then
        MsgBox("Phone is Portable")
    ElseIf (myOldUTType = 2) Then
        MsgBox("Phone is Fixed")
    ElseIf (myOldUTType = 0) Then
        MsgBox("Phone is Mobile")
    Else
        MsgBox("Unknown Phone Type")
    End If
End Sub

```

5.14 ServiceProgrammingDate

The **ServiceProgrammingDate** is a read-only property that references the Service Programming Date.

```
Get: HRESULT ServiceProgrammingDate ([out, retval] DATE *pdService)
```

Parameters**pdService**

A DATE structure that indicates the Service Programming Date.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The Service Programming Date is automatically set to the date and time on the PC whenever the *CommitChanges()* function is called.

Example

```
Sub mySPD
    'assumes myObject is a connected UTPST.Script object
    MsgBox myObject.ServiceProgrammingDate
End Sub
```

5.15 CalBlockVersion

The **CalBlockVersion** is a read-only property that references the Calibration Block Structure Version. If the UT does not support this, *CalBlockVersion()* will display the Calibration Block Format Version.

```
Get: HRESULT CalBlockVersion ([out, retval] BSTR *pbsCalVer)
```

Parameters

pbsCalVer

A BSTR that indicates the Calibration Block Structure Version or the Calibration Block Format Version.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myCalBlockVer
    'assumes myObject is a connected UTPST.Script object
    Dim myOldVer
    myOldVer = myObject.CalBlockVersion
End Sub
```

5.16 CalStationCodeVersion

The **CalStationCodeVersion** is a read-only property that references the Calibration Station Code Version.

```
Get: HRESULT CalStationCodeVersion ([out, retval] BSTR *pbsSCV)
```

Parameters

pbsSCV

A BSTR that indicates the Calibration Station Code Version.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myCalStationVer
    'assumes myObject is a connected UTPST.Script object
    Dim myOldCalStationVer
    MyOldCalStationVer = myObject.CalStationCodeVersion
End Sub
```

5.17 CalibrationDate

The **CalibrationDate** is a read-only property that references the date that the UT was calibrated.

```
Get: HRESULT CalibrationDate ([out, retval] DATE *pdCal)
```

Parameters

pdCal

A DATE structure that indicates the Calibration Date.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myCalDate
    'assumes myObject is a connected UTPST.Script object
    MsgBox myObject.CalibrationDate
End Sub
```

5.18 CalTestStation

The **CalTestStation** is a read-only property that references the Calibration Test Station Number.

```
Get: HRESULT CalTestStation ([out, retval] BSTR *pbsCalTest)
```

Parameters**pbsCalTest**

A BSTR that indicates the Calibration Test Station identifier.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myCalTestStation
    'assumes myObject is a connected UTPST.Script object
    Dim myOldCalTestStation
    MyOldCalTestStation = myObject.CalTestStation
End Sub
```

6. Configuration APIs

The configuration APIs all assume a fully active connection to the UT. The calls will fail if no such connection exists or if the item queried for does not exist on the connected phone. APIs that are prefaced by a “GS_” are Globalstar NAM-specific APIs.

Some items, such as the Globalstar IMSI, use read-only parameters to read elements, but have a single function to write all elements simultaneously. This is necessary when there is a need to perform additional syntax checking at the API level between multiple parameters. This also simplifies the setting of complex items for service programmers.

6.1 General Settings

6.1.1 SPEmergencyNumber

The **SPEmergencyNumber** is a read-write property that references phone numbers on the Service Provider Programmable Emergency Number List.

```
Get: HRESULT SPEmergencyNumber ([in] short sPosition, [out, retval]  
BSTR *pbsNumber)  
Put: HRESULT SPEmergencyNumber ([in] short sPosition, [in] BSTR  
bsNumber)
```

Parameters

sPosition

A short that indicates the position in the list. The list has ten entries, with valid index values being one to ten inclusive.

pbsNumber, bsNumber

A BSTR that indicates the number. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySPNumber
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSPNumber
    'retrieve the previous SP Emergency Number at position #2
    myOldSPNumber = myObject.SPEmergencyNumber(2)
    'set a different number in position #2
    myObject.SPEmergencyNumber(2) = "+123-456-7890"
End Sub
```

6.1.2 NoServiceTimeUntilSleep

NoServiceTimeUntilSleep is a read-write property that references the No Service Time Until Sleep Interval.

```
Get: HRESULT NoServiceTimeUntilSleep ([out, retval] short *psTime)
Put: HRESULT NoServiceTimeUntilSleep ([in] short sTime)
```

Parameters

psTime, sTime

A short that indicates value for No Service Time Until Sleep. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None

Example

```

1      Sub myNoSvcTime
2          'assumes myObject is a connected UTPST.Script object
3          Dim NoSvcTime
4          NoSvcTime = myObject.NoServiceTimeUntilSleep
5      End Sub
6

```

6.1.3 DeepSleepDuration

DeepSleepDuration is a read-write property that references the Deep Sleep Duration value.

```

10     Get: HRESULT DeepSleepDuration ([out, retval] short *psTime)
11     Put: HRESULT DeepSleepDuration ([in] short sTime)

```

Parameters

psTime, sTime

A short that indicates value for Deep Sleep Duration. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is obsolete for UT's version 4.7 or later. It is replaced by *SleepServiceScanInterval()*. On phones where this item does not exist this function will return an error.

Example

```

25     Sub myDeepSleep
26         'assumes myObject is a connected UTPST.Script object
27         Dim DeepSleep
28         DeepSleep = myObject.DeepSleepDuration
29     End Sub
30

```

6.1.4 SleepServiceScanInterval

SleepServiceScanInterval is a read-write property that references the Sleep Service Scan Interval.

```

34     Get: HRESULT SleepServiceScanInterval ([out, retval] short *psTime)

```

1 Put: HRESULT SleepServiceScanInterval ([in] short sTime)

2 **Parameters**

3 **psTime, sTime**

4 A short that indicates the value for Sleep Service Scan Interval. The valid
5 range is described in the **Globalstar User Terminal Service**
6 **Programming Guide**. Attempts to set the property outside of the valid
7 range causes the property to return an HRESULT indicating an invalid
8 argument failure.

9 **Return Values**

10 S_OK if successful, otherwise a different HRESULT. Extended error
11 information is available.

12 **Remarks**

13 This item replaces *DeepSleepDuration()* for UT's version 4.7 or later. On
14 phones where this item does not exist this function will return an error.

15 **Example**

```
16       Sub mySleepScan
17           'assumes myObject is a connected UTPST.Script object
18           Dim SleepScan
19           SleepScan = myObject.SleepServiceScanInterval
20       End Sub
```

21 **6.1.5 GS_LockOrderReason**

22 **GS_LockOrderReason** is a read-only property that references the
23 Globalstar Lock Order Reason. A method is provided that allows the property
24 to be cleared.

```
25       Get: HRESULT GS_LockOrderReason ([out, retval] short *psReason)
26           HRESULT Clear_GS_LockOrderReason ( )
```

27 **Parameters**

28 **psReason**

29 A short that indicates the value for the Globalstar Lock Order Reason.

30 **Return Values**

31 S_OK if successful, otherwise a different HRESULT. Extended error
32 information is available.

Remarks

This item is cleared by calling `Clear_GS_LockOrderReason()`.

Example

```
Sub myLockOrder
    'assumes myObject is a connected UTPST.Script object
    Dim LockOrder
    'get the lock order reason
    LockOrder = myObject.GS_LockOrderReason
    'clear the lock order reason
    myObject.Clear_GS_LockOrderReason
End Sub
```

6.1.6 GS_MaintenanceOrderReason

GS_MaintenanceOrderReason is a read-only property that references the Globalstar Maintenance Order Reason. A method is provided that allows the property to be cleared.

```
Get: HRESULT GS_MaintenanceOrderReason ([out, retval] short
    *psReason)
    HRESULT Clear_GS_MaintenanceOrderReason ( )
```

Parameters

psReason

A short that indicates the value for the Globalstar Maintenance Order Reason.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling `Clear_GS_MaintenanceOrderReason()`.

Example

```
Sub myMaintOrder
    'assumes myObject is a connected UTPST.Script object
    Dim MaintOrder
    'get the maintenance order reason
    MaintOrder = myObject.GS_MaintenanceOrderReason
    'clear the lock order reason
    myObject.Clear_GS_MaintenanceOrderReason
End Sub
```

6.1.7 AcquisitionChannelList

The **AcquisitionChannelList** is a read-write property that references the Globalstar Acquisition Channel List.

```
Get: HRESULT AcquisitionChannelList ([in] short sIndex, [out,
    retval] short *psACLEntry)
Put: HRESULT AcquisitionChannelList ([in] short sIndex, [in] short
    sACLEntry)
```

Parameters

sIndex

A short that indicates the requested index for the Acquisition Channel List entry. The valid range is one through thirteen inclusive.

psACLEntry, sACLEntry

A short that indicates the requested Acquisition Channel List entry. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property to a value outside the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myACL
    'assumes myObject is a connected UTPST.Script object
    Dim myOldACL
    'retrieve an ACL
    myOldACL = myObject.AcquisitionChannelList(2)
    'set that ACL to a new value
    myObject.AcquisitionChannelList(2) = 73
End Sub
```

6.1.8 CDMA_LockOrder

CDMA_LockOrder is a read-only property that references the CDMA Lock Order.

```
Get: HRESULT CDMA_LockOrder ([out, retval] short *psOrder)
```

Parameters

psOrder

A short that indicates the value for the CDMA Lock Order.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling *Clear_CDMA_LockOrderReason()*.

Example

```
Sub myLockOrder
    'assumes myObject is a connected UTPST.Script object
    Dim LockOrder
    'get the CDMA lock order
    LockOrder = myObject.CDMA_LockOrder
End Sub
```

6.1.9 CDMA_LockReason

CDMA_LockReason is a read-only property that references the CDMA Lock Reason.

Get: HRESULT CDMA_LockReason ([out, retval] short *psReason)

Parameters

psReason

A short that indicates the value for the CDMA Lock Reason.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling *Clear_CDMA_LockOrderReason()*.

Example

```
Sub myLockReason
    'assumes myObject is a connected UTPST.Script object
```

```

1         Dim LockReason
2         'get the CDMA lock reason
3         LockReason = myObject.CDMA_LockReason
4         'clear the lock order reason
5         myObject.Clear_CDMA_LockOrderReason
6     End Sub

```

6.1.10 Clear_CDMA_LockOrderReason

Clear_CDMA_LockOrder is a function that clears the *CDMA_LockOrder* and *CDMA_LockReason* properties.

```

10     HRESULT Clear_CDMA_LockOrderReason ( )

```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

18     Sub myClearLockOrderReason
19         'assumes myObject is a connected UTPST.Script object
20         'clear the CDMA lock order reason
21         myObject.Clear_CDMA_LockOrderReason
22     End Sub
23

```

6.1.11 CDMA_MaintenanceOrder

CDMA_MaintenanceOrder is a read-only property that references the CDMA Maintenance Order.

```

27     Get: HRESULT CDMA_MaintenanceOrder ([out, retval] short *psOrder)

```

Parameters

psOrder

A short that indicates the value for the CDMA Maintenance Order.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling *Clear_CDMA_MaintenanceOrderReason()*.

Example

```
Sub myMaintOrder
    'assumes myObject is a connected UTPST.Script object
    Dim MaintOrder
    'get the CDMA maintenance order
    MaintOrder = myObject.CDMA_MaintenanceOrder
End Sub
```

6.1.12 CDMA_MaintenanceReason

CDMA_MaintenanceReason is a read-only property that references the CDMA Maintenance Reason.

Get: HRESULT CDMA_MaintenanceReason ([out, retval] short *psReason)

Parameters

psReason

A short that indicates the value for the CDMA Maintenance Reason.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling *Clear_CDMA_MaintenanceOrderReason()*.

Example

```
Sub myMaintReason
    'assumes myObject is a connected UTPST.Script object
    Dim MaintReason
    'get the maintenance reason
    MaintReason = myObject.CDMA_MaintenanceReason
End Sub
```

6.1.13 *Clear_CDMA_MaintenanceOrderReason*

Clear_CDMA_MaintenanceOrderReason is a function that clears the *CDMA_MaintenanceOrder* and *CDMA_MaintenanceReason* properties.

```
HRESULT Clear_CDMA_MaintenanceOrderReason ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myClearMaintOrderReason
    'assumes myObject is a connected UTPST.Script object
    'clear the CDMA maintenance order reason
    myObject.Clear_CDMA_MaintenanceOrderReason
End Sub
```

6.1.14 *CDMA_SlotCycleIndex*

CDMA_SlotCycleIndex is a read-write property that references the CDMA Slot Cycle Index.

```
Get: HRESULT SlotCycleIndex ([out, retval] short *psSCI)
Put: HRESULT SlotCycleIndex ([in] short sSCI)
```

Parameters

psSCI, sSCI

A short that indicates the value for Slot Cycle Index. The valid range is described in the ***Globalstar User Terminal Service Programming Guide***. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySCI
    'assumes myObject is a connected UTPST.Script object
    Dim SCI
    SCI = myObject.SlotCycleIndex
End Sub
```

6.1.15 DataServicesBaudRate

The **DataServicesBaudRate** is a read-write property that references the Data Services Baud Rate.

```
Get: HRESULT DataServicesBaudRate ([out, retval] long *plRate)
Put: HRESULT DataServicesBaudRate ([in] long lRate)
```

Parameters

PIRate, lRate

A long that indicates the baud rate. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property to a value outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myRate
    'assumes myObject is a connected UTPST.Script object
    Dim myOldRate
    'retrieve the previous baud rate
    myOldRate = myObject.DataServicesBaudRate
    'set a new baud rate
    myObject.DataServicesBaudRate = 38400
End Sub
```

6.1.16 CurrentNAM

The **CurrentNAM** is a read-write property that references the Current NAM identifier.

```
Get: HRESULT CurrentNAM ([out, retval] short *psNAM)
Put: HRESULT CurrentNAM ([in] short sNAM)
```

Parameters

psNAM, sNAM

A short that indicates the Current NAM value. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar NAM.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Example

```
Sub myNAM
    'assumes myObject is a connected UTPST.Script object
    Dim myOldNAM
    'retrieve the previous Current NAM
    myOldNAM = myObject.CurrentNAM
    'set a new Current NAM
    myObject.CurrentNAM = 1
End Sub
```

6.1.17 AutoNAM

The **AutoNAM** is a read-write property that references the Auto NAM identifier.

```
Get: HRESULT AutoNAM ([out, retval] BOOL *pbAutoNAM)
Put: HRESULT AutoNAM ([in] BOOL bAutoNAM)
```

Parameters

pbAutoNAM, bAutoNAM

A BOOL that indicates the Auto NAM value. FALSE indicates that AutoNAM is off. TRUE indicates that AutoNAM is on.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myNAM
    'assumes myObject is a connected UTPST.Script object
    Dim myOldNAM
    'retrieve the previous Auto NAM
    myOldNAM = myObject.AutoNAM
    'set Auto NAM to on
    myObject.AutoNAM = TRUE
End Sub
```

6.1.18 GS_LossOfCoverageTimer

The **GS_LossOfCoverageTimer** is a read-write property that references the Globalstar Loss of Coverage Timer.

```
Get: HRESULT GS_LossOfCoverageTimer ([out, retval] long *pTimer)
Put: HRESULT GS_LossOfCoverageTimer ([in] long lTimer)
```

Parameters

pTimer, lTimer

A long that indicates the loss of coverage timer value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myLossTimer
    'assumes myObject is a connected UTPST.Script object
```

```

1         Dim myOldLossTimer
2         'retrieve the previous loss timer
3         myOldLossTimer = myObject.GS_LossOfCoverageTimer
4         'set a new loss timer
5         myObject.GS_LossOfCoverageTimer = 60
6     End Sub

```

6.1.19 GS_SlottedMode

The **GS_SlottedMode** is a read-write property that references the Globalstar Slotted Mode.

```

10     Get: HRESULT GS_SlottedMode ([out, retval] BOOL *pbMode)
11     Put: HRESULT GS_SlottedMode ([in] BOOL bMode)

```

Parameters

pbMode, bMode

A BOOL that indicates whether Globalstar Slotted Mode is enabled (TRUE) or disabled (FALSE). Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

24     Sub mySlottedMode
25         'assumes myObject is a connected UTPST.Script object
26         Dim myOldSlottedMode
27         'retrieve the previous slotted mode value           myOldSlottedMode =
28         myObject.GS_SlottedMode
29         'set Globalstar Slotted Mode to TRUE
30         myObject.GS_SlottedMode = TRUE
31     End Sub

```

6.1.20 GS_SlotCycleIndex

GS_SlotCycleIndex is a read-write property that references the Globalstar Slot Cycle Index.

```

35     Get: HRESULT GS_SlotCycleIndex ([out, retval] short *psSCI)
36     Put: HRESULT GS_SlotCycleIndex ([in] short sSCI)

```

Parameters

psSCI, sSCI

A short that indicates the value for Globalstar Slot Cycle Index. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myGS_SCI
    'assumes myObject is a connected UTPST.Script object
    Dim GS_SCI
    GS_SCI = myObject.GS_SlotCycleIndex
End Sub
```

6.2 Globalstar Service Provider List Settings

GS_Remove_SPList_Entry

The **GS_Set_SPList_Entry** is a function that removes a Service Provider List entry.

```
HRESULT GS_Remove_SPList_Entry ([in] short sPosition)
```

Parameters

sPosition

A short that indicates the position within the known service provider list. Its valid range is 0 through 66.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This function will succeed whether or not the service provider list entry actually exists.

Example

```
Sub myRemoveSPList
    'assumes myObject is a connected UTPST.Script object
    'remove the 3rd SP list entry
    myObject.GS_Remove_SPList_Entry(3)
End Sub
```

6.2.1 GS_CleanEntireSPList

The **GS_CleanEntireSPList** is a function that removes all Service Provider List entries.

```
HRESULT GS_CleanEntireSPList ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This function may take several seconds to execute.

Example

```
Sub myCleanSPList
    'assumes myObject is a connected UTPST.Script object
    'remove all entries in the SP List
    myObject.GS_CleanEntireSPList
End Sub
```

6.2.2 GS_Set_SPList_Entry

The **GS_Set_SPList_Entry** is a function that sets the Service Provider List entry.

```
HRESULT GS_Set_SPList_Entry ([in] short sPosition, [in] BSTR bsMCC,
[in] BSTR bsMNC, [in] BSTR bsMCCName, [in] BSTR bsMNCName, [in]
short sPreferredPos, [in] BOOL bProhibited)
```

Parameters

sPosition

A short that indicates the position within the known service provider list. Its valid range is 0 through 66.

bsMCC

A BSTR that indicates the Mobile Country Code. The string can be up to three characters in length, and is comprised of decimal digits. Attempts to set the property to a value greater in length than three digits causes the property to return an invalid argument failure. Attempts to set the property to non-numeric values causes the function to return an invalid argument failure.

bsMNC

A BSTR that indicates the Mobile Network Code. The string can be up to three characters in length, and can be comprised of decimal digits. Attempts to set the property to a value greater in length than three digits causes the property to return an invalid argument failure. Attempts to set the property to non-numeric values causes the function to return an invalid argument failure.

bsMCCName

A BSTR that indicates the Mobile Country Code name. The string can be up to twelve characters in length. Attempts to set the property to a value greater in length than twelve digits causes the property to return an invalid argument failure. Attempts to set the property to non-numeric values causes the function to return an invalid argument failure.

bsMNCName

A BSTR that indicates the Mobile Network Code name. The string can be up to twelve characters in length. Attempts to set the property to a value greater in length than twelve digits causes the property to return an invalid argument failure. Attempts to set the property to non-numeric values causes the function to return an invalid argument failure.

sPreferredPos

A short that indicates the position within the preferred service provider list. Its valid range is 0 through 66, or –1 to indicate that this entry should not be in the preferred service provider list.

bProhibited

A BOOL that indicates whether the entry is in the prohibited service provider list. If TRUE, the value is in the prohibited service provider list. If FALSE, the value is not in the prohibited service provider list.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

It is not possible to set an entry be on both the preferred and prohibited service provider lists. Attempts to set an entry to both prohibited and preferred causes the function to return an invalid argument failure.

The UT will, upon reset, adjust the service provider list to meet its needs. Entries may be added, removed, or changed from what was written to the UT. If you see different values in the service provider list than you set with the script, then you may want to adjust your script to not reset the UT until after you've had time to verify what you've written using another script or the UTPST GUI.

Only the current item is validated by this function. No attempt is made by this function to validate other members of the Service Provider List. For example, no attempt is made to determine if there is a duplicate to this item already in the Service Provider List.

Example

```
Sub mySetSPList
    'assumes myObject is a connected UTPST.Script object
    'set a service provider list entry with a position of
    '2, an MCC of "111", and MNC of "222", an MCC name of
    '"MCC Name", an MNC Name of "MNC Name", a preferred list
    ' position of 1, and FALSE for prohibited.
    myObject.GS_Set_SPList_Entry 2,"111","222","MCC Name", "MNC
Name", 1, FALSE
End Sub
```

6.2.3 GS_SPList_MCC

The **GS_SPList_MCC** is a read-only property that references the Globalstar Service Provider List Mobile Country Code for a particular service provider entry.

```
Get: HRESULT GS_SPList_MCC ([in] short sPosition, [out, retval]
BSTR *pbsMCC)
```

Parameters

sPosition

A short that indicates the position within the known service provider list. Its valid range is 0 through 66.

pbsMCC

A BSTR that indicates the Mobile Country Code in the specified entry. The string can be up to three characters in length, and is comprised of decimal digits.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySPMCC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSPMCC
    myOldMCC = myObject.GS_SPList_MCC
End Sub
```

6.2.4 GS_SPList_MNC

The **GS_SPList_MNC** is a read-only property that references the Globalstar Service Provider List Mobile Network Code for a particular service provider entry.

```
Get: HRESULT GS_SPList_MNC ([in] short sPosition, [out, retval]
    BSTR *pbsMNC)
```

Parameters

sPosition

A short that indicates the position within the known service provider list. Its valid range is 0 through 66.

pbsMNC

A BSTR that indicates the Mobile Network Code in the specified entry. The string can be up to three characters in length, and is comprised of decimal digits.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySPMNC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSPMNC
    myOldMNC = myObject.GS_SPList_MNC
End Sub
```

6.2.5 GS_SPList_MCC_Name

The **GS_SPList_MCC_Name** is a read-only property that references the Globalstar Service Provider List Mobile Country Code name for a particular service provider entry.

```
Get: HRESULT GS_SPList_MCC_Name ([in] short sPosition, [out,
    retval] BSTR *pbsMCCName)
```

Parameters

sPosition

A short that indicates the position within the known service provider list. Its valid range is 0 through 66.

pbsMCCName

A BSTR that indicates the Mobile Country Code name in the specified entry. The string can be up to twelve characters in length.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
1 Sub mySPMCCName
2     'assumes myObject is a connected UTPST.Script object
3     Dim myOldSPMCCName
4     myOldMCCName = myObject.GS_SPList_MCCName
5 End Sub
```

6.2.6 GS_SPList_MNC_Name

8 The **GS_SPList_MNC_Name** is a read-only property that references the
9 Globalstar Service Provider List Mobile Network Code name for a particular
10 service provider entry.

```
11 Get: HRESULT GS_SPList_MNC_Name ([in] short sPosition, [out,  
12     retval] BSTR *pbsMNCName)
```

Parameters**sPosition**

15 A short that indicates the position within the known service provider list. Its
16 valid range is 0 through 66.

pbsMNCName

18 A BSTR that indicates the Mobile Network Code name in the specified entry.
19 The string can be up to twelve characters in length.

Return Values

21 S_OK if successful, otherwise a different HRESULT. Extended error
22 information is available.

Remarks

24 None.

Example

```
25 Sub mySPMNCName
26     'assumes myObject is a connected UTPST.Script object
27     Dim myOldSPMNCName
28     myOldMNCName = myObject.GS_SPList_MNCName
29 End Sub
```

6.2.7 *GS_SPList_PreferredPos*

The **GS_SPList_PreferredPos** is a read-only property that indicates the position of the requested service provider list entry in the Preferred Service Provider List.

```
Get: HRESULT GS_SPList_PreferredPos ([in] short sPosition, [out,
    retval] short *psPreferredPos)
```

Parameters

sPosition

A short that indicates the position within the known service provider list. Its valid range is 0 through 66.

psPreferredPos

A BSTR that indicates the position in the preferred provider list. -1 indicates that this service provider list entry is not on the preferred provider list.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySP_Pref
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSP_Pref
    myOldSP_Pref = myObject.GS_SPList_PreferredPos
End Sub
```

6.2.8 *GS_SPList_Prohibited*

The **GS_SPList_Prohibited** is a read-only property that indicates if the requested service provider list entry is in the Prohibited Service Provider List.

```
Get: HRESULT GS_SPList_Prohibited ([in] short sPosition, [out,
    retval] BOOL *pbProhibited)
```

Parameters**sPosition**

A short that indicates the position within the known service provider list. Its valid range is 0 through 66.

pbProhibited

A BOOL that indicates if the service provider entry is on the prohibited provider list. TRUE indicates that it is prohibited. FALSE indicates that it is not prohibited.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySP_Prohibited
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSP_Prohibited
    myOldSP_Prohibited = myObject.GS_SPList_Prohibited
End Sub
```

6.3 Globalstar NAM Parameters**6.3.1 GS_Set_IMSI**

The **GS_Set_IMSI** is a function that sets the Globalstar IMSI.

```
HRESULT GS_Set_IMSI ([in] short sType, [in] BSTR bsMCC, [in] BSTR
bsMNC, [in] BSTR bsMSIN)
```

Parameters**sType**

A short that indicates the Globalstar IMSI type. 0 indicates a 'True IMSI', 1 indicates a 'MIN-based IMSI', and 255 indicates 'Unprogrammed'.

bsMCC

A BSTR that indicates the Globalstar IMSI Mobile Country Code. The string can be up to three characters in length, and can be comprised of decimal

digits. Attempts to set the property to a value greater in length than three digits causes the property to return an invalid argument failure. Attempts to set the property to non-numeric values causes the function to return an invalid argument failure.

bsMNC

A BSTR that indicates the Globalstar IMSI Mobile Network Code. The string can be up to three characters in length, and can be comprised of decimal digits. Attempts to set the property to a value greater in length than three digits causes the property to return an invalid argument failure. Attempts to set the property to non-numeric values causes the function to return an invalid argument failure.

bsMSIN

A BSTR that indicates the Globalstar IMSI Mobile Station Identifier Number. The string can be up to ten characters in length, and can be comprised of decimal digits. Attempts to set the property to a value greater in length than ten digits causes the property to return an invalid argument failure. Attempts to set the property to non-numeric values causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available. The total number of digits for bsMCC, bsMNC, and bsMSIN must add up to fifteen digits or less. Attempts to set the properties to greater than fifteen digits causes the function to return an invalid argument failure.

Remarks

None

Example

```
Sub mySetIMSI
    'assumes myObject is a connected UTPST.Script object
    'set a MIN-based IMSI with an MCC of "123",
    'an MNC of "45", and an MSIN of "6789098765"
    myObject.GS_Set_IMSI 1,"123","45","6789098765"
End Sub
```

6.3.2 GS_IMSI_Type

The **GS_IMSI_Type** is a read-only property that references the Globalstar IMSI Type value.

1 Get: HRESULT GS_IMSI_Type ([out, retval] short *psType)

2 **Parameters**

3 **psType**

4 A short that indicates the Globalstar IMSI type. 0 indicates a 'True IMSI', 1
5 indicates a 'MIN-based IMSI', and 255 indicates 'Unprogrammed'.

6 **Return Values**

7 S_OK if successful, otherwise a different HRESULT. Extended error
8 information is available.

9 **Remarks**

10 None.

11 **Example**

```
12          Sub myIMSIType
13              'assumes myObject is a connected UTPST.Script object
14              If (myObject.GS_IMSI_Type = 1) Then
15                  MsgBox "The Globalstar IMSI is MIN-based"
16              Else
17                  MsgBox "The Globalstar IMSI is not MIN-based"
18              End If
19          End Sub
```

20 **6.3.3 GS_IMSI_MCC**

21 The **GS_IMSI_MCC** is a read-only property that references the Globalstar
22 IMSI Mobile Country Code value.

23 Get: HRESULT GS_IMSI_MCC ([out, retval] BSTR *pbsMCC)

24 **Parameters**

25 **pbsMCC**

26 A BSTR that indicates the Globalstar IMSI Mobile Country Code. The string
27 can be up to three characters in length, and can be comprised of decimal
28 digits.

29 **Return Values**

30 S_OK if successful, otherwise a different HRESULT. Extended error
31 information is available.

Remarks

None.

Example

```
Sub myIMSIMCC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldMCC
    myOldMCC = myObject.GS_IMSI_MCC
End Sub
```

6.3.4 GS_IMSI_MNC

The **GS_IMSI_MNC** is a read-only property that references the Globalstar IMSI Mobile Network Code value.

```
Get: HRESULT GS_IMSI_MNC ([out, retval] BSTR *pbsMNC)
```

Parameters

pbsMNC

A BSTR that indicates the Globalstar IMSI Mobile Network Code. The string can be up to three characters in length, and can be comprised of decimal digits.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myIMSIMNC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldMNC
    myOldMNC = myObject.GS_IMSI_MNC
End Sub
```

6.3.5 GS_IMSI_MSIN

The **GS_IMSI_MSIN** is a read-only property that references the Globalstar IMSI Mobile Station Identifier Number.

```
Get: HRESULT GS_IMSI_MSIN ([out, retval] BSTR *pbsMSIN)
```

Parameters

pbsMSIN

A BSTR that indicates the Globalstar IMSI Mobile Station Identifier Number. The string can be up to ten characters in length, and must be comprised of decimal digits.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myIMSIMSIN
    'assumes myObject is a connected UTPST.Script object
    Dim myOldMSIN
    myOldMSIN = myObject.GS_IMSI_MSIN
End Sub
```

6.3.6 GS_ACCOLC

The **GS_ACCOLC** is a read-write property that indicates the Globalstar Access Overload Class.

```
Get: HRESULT GS_ACCOLC ([out, retval] short *psACCOLC)
Put: HRESULT GS_ACCOLC ([in] short sACCOLC)
```

Parameters

sACCOLC, psACCOLC

The access overload class. Valid range is 0 (representing Standard) or 10 through 15 inclusive. Attempts to set the property to a value outside of that range causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
1 Sub myACCOLC
2     'assumes myObject is a connected UTPST.Script object
3     Dim myOldACCOLC
4     myOldACCOLC = myObject.GS_ACCOLC
5 End Sub
```

6.3.7 Directory_Number

The **Directory_Number** is a read-write property that references the Directory Number.

```
10 Get: HRESULT Directory_Number ([in] short sNAM, [out, retval] BSTR
11     *pbsDN)
12 Put: HRESULT Directory_Number ([in] short sNAM, [in] BSTR bsDN)
```

Parameters

psNAM, sNAM

A short that indicates the requested NAM for the Directory Number. 0 indicates the Directory Number for Cellular NAM 1, 1 indicates the Directory Number for Cellular NAM 2, and 2 indicates the Globalstar Directory Number.

pbsDN, bsDN

A BSTR that indicates the Directory Number. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Some older phones support Directory Numbers comprised of digits only, with a maximum length of ten digits. If an attempt to set the Directory Number on such a phone is made, all non-numeric characters are removed from the string and the string is truncated to ten characters prior to updating the value.

When connected to phones that only support Globalstar mode, an index value other than 2 (the Globalstar Directory Number index) will result in the property returning an invalid argument failure. The script writer should perform some verification of model type prior to utilizing this API.

Example

```

1  Sub myGSDN
2      'assumes myObject is a connected UTPST.Script object
3      Dim myOldGSDN
4      'retrieve the previous Globalstar Directory Number
5      myOldGSDN = myObject.Directory_Number(2)
6      'set the Globalstar Directory Number
7      myObject.Directory_Number(2) = "8005551212"
8  End Sub
9

```

6.3.8 GS_HomeGatewayID

The **GS_HomeGatewayID** is a read-write property that indicates the Globalstar Home Gateway Identifier.

```

13  Get: HRESULT GS_HomeGatewayID ([out, retval] long *plGWID)
14  Put: HRESULT GS_HomeGatewayID ([in] long lGWID)

```

Parameters

plGWID, plGWID

The home gateway ID. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. “Unprogrammed” is represented by -1. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

27  Sub myGWID
28      'assumes myObject is a connected UTPST.Script object
29      Dim myOldGWID
30      myOldGWID = myObject.GS_HomeGatewayID
31  End Sub

```

6.3.9 GS_HomeGatewayChannel

The **GS_HomeGatewayChannel** is a read-write property that indicates the Globalstar Home Gateway Channel.

```

1      Get: HRESULT GS_HomeGatewayChannel ([out, retval] short
2      *psGWChannel)
3      Put: HRESULT GS_HomeGatewayChannel ([in] short sGWChannel)

```

4 **Parameters**

5 **psGWChannel, sGWChannel**

6 The home gateway channel. The valid range is described in the **Globalstar**
7 **User Terminal Service Programming Guide**. “Unprogrammed” is
8 represented by –1. Attempts to set the property outside of the valid range
9 causes the property to return an HRESULT indicating an invalid argument
10 failure.

11 **Return Values**

12 S_OK if successful, otherwise a different HRESULT. Extended error
13 information is available.

14 **Remarks**

15 None.

16 **Example**

```

17      Sub myGWChannel
18          'assumes myObject is a connected UTPST.Script object
19          Dim myOldGWChannel
20          myOldGWChannel = myObject.GS_HomeGatewayChannel
21      End Sub

```

22 **6.3.10 GS_Home_SP_MCC**

23 The **GS_Home_SP_MCC** is a read-write property that references the
24 Globalstar Home Service Provider Mobile Country Code value.

```

25      Get: HRESULT GS_Home_SP_MCC ([out, retval] BSTR *pbsMCC)
26      Put: HRESULT GS_Home_SP_MCC ([in] BSTR bsMCC)

```

27 **Parameters**

28 **pbsMCC, bsMCC**

29 A BSTR that indicates the Globalstar Home Service Provider Mobile Country
30 Code. The valid range is described in the **Globalstar User Terminal**
31 **Service Programming Guide**. Attempts to set the property outside of the
32 valid range causes the property to return an HRESULT indicating an invalid
33 argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myHomeMCC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldHomeMCC
    myOldHomeMCC = myObject.GS_Home_SP_MCC
    myObject.GS_Home_SP_MCC = "234"
End Sub
```

6.3.11 GS_Home_SP_MNC

The **GS_Home_SP_MNC** is a read-write property that references the Globalstar Home Service Provider Mobile Network Code value.

```
Get: HRESULT GS_Home_SP_MNC ([out, retval] BSTR *pbsMNC)
Put: HRESULT GS_Home_SP_MNC ([in] BSTR bsMNC)
```

Parameters

pbsMCC, bsMCC

A BSTR that indicates the Globalstar Home Service Provider Mobile Network Code. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myHomeMNC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldHomeMNC
```

```

1         myOldHomeMNC = myObject.GS_Home_SP_MNC
2         myObject.GS_Home_SP_MNC = "234"
3     End Sub

```

6.3.12 GS_LastGatewayRegistration

GS_LastGatewayRegistration is a read-only property that references the Globalstar Last Gateway Registration value. A method is provided that allows the property to be cleared.

```

8         Get: HRESULT GS_LastGatewayRegistration ([out, retval] short
9             *psLastGW)
10            HRESULT Clear_GS_LastGatewayRegistration ( )

```

Parameters

psLastGW

A short that indicates the value for the Globalstar Last Gateway Registration.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling Clear_GS_LastGatewayRegistration ().

Example

```

21     Sub myGWReg
22         'assumes myObject is a connected UTPST.Script object
23         Dim myOldGWReg
24         'get the old Last Gateway Registration
25         myOldGWReg = myObject.GS_LastGatewayRegistration
26         'clear the Last Gateway Registration
27         myObject.Clear_GS_LastGatewayRegistration
28     End Sub

```

6.3.13 GS_LastSPRegistration_MCC

GS_LastSPRegistration is a read-only property that references the Globalstar Last Service Provider Registration MCC value.

```

32         Get: HRESULT GS_LastSPRegistration_MCC ([out, retval] BSTR
33             *pLastSPMCC)

```

Parameters

pLastSPMCC

A BSTR that indicates the value for the Globalstar Last Service Provider Registration MCC.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling Clear_GS_LastSPRegistration ().

Example

```
Sub mySPReg
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSPReg
    'get the old Last Service Provider Registration MCC
    myOldSPReg = myObject.GS_LastSPRegistration_MCC
End Sub
```

6.3.14 GS_LastSPRegistration_MNC

GS_LastSPRegistration is a read-only property that references the Globalstar Last Service Provider Registration MNC value.

```
Get: HRESULT GS_LastSPRegistration_MNC ([out, retval] BSTR
    *pLastSPMNC)
```

Parameters

pLastSPMNC

A BSTR that indicates the value for the Globalstar Last Service Provider Registration MNC.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling Clear_GS_LastSPRegistration ().

Example

```

1      Sub mySPReg
2          'assumes myObject is a connected UTPST.Script object
3          Dim myOldSPReg
4          'get the old Last Service Provider Registration MNC
5          myOldSPReg = myObject.GS_LastSPRegistration_MNC
6      End Sub

```

6.3.15 GS_LastSPRegistration_DDMode

GS_LastSPRegistration is a read-only property that references the Globalstar Last Service Provider Registration Dial Digits Transmission Mode value.

```

12      Get: HRESULT GS_LastSPRegistration_DDMode ([out, retval] short
13          *pDialDigitsTransmissionMode)

```

Parameters

pDialDigitsTransmissionMode

A short that indicates the value for the Globalstar Last Service Provider Registration Dial Digits Transmission Mode. 0 indicates Origination and 1 indicates Continuation.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared by calling `Clear_GS_LastSPRegistration ()`.

Example

```

24      Sub mySPReg
25          'assumes myObject is a connected UTPST.Script object
26          Dim myOldSPReg
27          'get the old Last Service Provider Registration DDMode
28          myOldSPReg = myObject.GS_LastSPRegistration_DDMode
29      End Sub

```

6.3.16 Clear_GS_LastSPRegistration

Clear_GS_LastSPRegistration is a function that clears the `GS_LastSPRegistration_MCC`, `GS_LastSPRegistration_MNC`, and `GS_LastSPRegistration_DDMode` properties.

```

35      HRESULT Clear_GS_LastSPRegistration ( )

```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myClearSPRegistration
    'assumes myObject is a connected UTPST.Script object
    'clear the Globalstar Last SP Registration
    myObject.Clear_GS_LastSPRegistration
End Sub
```

6.3.17 SMSTimeStampAdjust

The **SMSTimeStampAdjust** is a read-write property that references the SMS Time Stamp Adjust value.

```
Get: HRESULT SMSTimeStampAdjust ([in] short sNAM, [out, retval]
    BOOL *pbSMSAdjust)
Put: HRESULT SMSTimeStampAdjust ([in] short sNAM, [in] BOOL
    bSMSAdjust)
```

Parameters

psNAM, sNAM

A short that indicates the requested NAM for the SMS adjust value. 0 indicates the SMS adjust for Cellular NAM 1, 1 indicates the SMS adjust for Cellular NAM 2, and 2 indicates the SMS adjust for the Globalstar Shared NAM.

pbSMSAdjust, bSMSAdjust

A BOOL that indicates the SMS adjust value. FALSE indicates no adjustment, and TRUE indicates that an adjustment is needed. Attempts to set the property to non-allowed values causes the property to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

When connected to phones that only support Globalstar mode, an index value other than 2 (the Globalstar index) will result in the property returning an invalid argument failure. The script writer should perform some verification of model type prior to utilizing this API.

Example

```
Sub mySMSAdjust
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSMSAdjust
    'retrieve the previous Globalstar SMS
    'Time Stamp Adjust
    myOldSMSAdjust = myObject.SMSTimeStampAdjust(2)
    'set the SMS Time Stamp Adjust to TRUE (adjust)
    myObject.SMSTimeStampAdjust (2) = TRUE
End Sub
```

6.3.18 PacketDataPreferredMode

The **PacketDataPreferredMode** is a read-write property that references the Packet Data Preferred Mode value.

```
Get: HRESULT PacketDataPreferredMode ([in] short sNAM, [out,
    retval] short *psDataPrefMode)
Put: HRESULT SMSTimeStampAdjust ([in] short sNAM, [in] short
    sDataPrefMode)
```

Parameters

psNAM, sNAM

A short that indicates the requested NAM for the Packet Data Preferred Mode value. 0 indicates the Packet Data Preferred Mode for Cellular NAM 1, 1 indicates the Packet Data Preferred Mode for Cellular NAM 2, and 2 indicates the Packet Data Preferred Mode for the Globalstar Shared NAM.

psDataPrefMode, sDataPrefMode

A short that indicates the Packet Data Preferred Mode value. 4 indicates 'Current', 5 indicates 'Globalstar Only', 6 indicates 'Cellular Only', and 7 indicates 'None'. Attempts to set the property to non-allowed values causes the property to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

Sub myPacketData
    'assumes myObject is a connected UTPST.Script object
    Dim myOldData
    'retrieve the previous Globalstar Packet
    'Data Preferred Mode
    myOldData = myObject.PacketDataPreferredMode(2)
    'set the Packet Data Preferred Mode to 4 (Current)
    myObject.PacketDataPreferredMode (2) = 4
End Sub

```

6.4 Cellular NAM Parameters**6.4.1 Akey**

Akey is not supported by the UTPST.

6.4.2 NAMName

The **NAMName** is a read-write property that references the NAM Name.

```

Get: HRESULT NAMName ([in] short sNAM, [out, retval] BSTR *pbsNN)
Put: HRESULT NAMName ([in] short sNAM, [in] BSTR bsNN)

```

Parameters**psNAM, sNAM**

A short that indicates the requested NAM. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Share NAM.

pbsDN, bsDN

A BSTR that indicates the NAM Name. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property to a value outside of the valid range causes the property to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

1      Sub myGSNN
2          'assumes myObject is a connected UTPST.Script object
3          Dim myOldGSNN
4          'retrieve the previous Globalstar Shared NAM Name
5          myOldGSNN = myObject.NAMName(2)
6          'set the Globalstar Shared NAM Name
7          myObject.NAMName(2) = "A NAM Name"
8      End Sub
9
10
11

```

6.4.3 Directory_Number

See **Directory_Number** in the **Globalstar NAM Parameters** section.

6.4.4 SMSTimeStampAdjust

See **SMSTimeStampAdjust** in the **Globalstar NAM Parameters** section.

6.4.5 AllowUserSpecOfCellPrefs

The **AllowUserSpecOfCellPrefs** is a read-write property that references the value that indicates whether to Allow User Specification of Cellular Preferences.

```

20      Get: HRESULT AllowUserSpecOfCellPrefs ([in] short sNAM, [out,
21      retval] BOOL *pbPrefs)
22      Put: HRESULT AllowUserSpecOfCellPrefs ([in] short sNAM, [in] BOOL
23      bPrefs)

```

Parameters**psNAM, sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

pbPrefs, bPrefs

A BOOL that indicates the user preference value. FALSE indicates that users are not allowed to adjust cellular preferences, and TRUE indicates that users are allowed to adjust cellular preferences. Attempts to set the property to non-allowed values causes the property to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

When connected to phones that only support Globalstar mode, an index value other than 2 (the Globalstar index) will result in the property returning an invalid argument failure. The script writer may wish to perform some verification of model type prior to utilizing this API.

Example

```
Sub myAllowPrefs
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAllowPrefs
    'retrieve the previous value of Cellular NAM 2
    myOldAllowPrefs = myObject.AllowUserSpecOfCellPrefs(1)
    'set the value to allow the user to adjust preferences
    myObject.AllowUserSpecOfCellPrefs(1) = TRUE
End Sub
```

6.4.6 PreferredMode

PreferredMode is a read-write property that references the value that indicates the preferred UT mode.

```
Get: HRESULT PreferredMode ([in] short sNAM, [out, retval] short
    *psPreferred)
Put: HRESULT PreferredMode ([in] short sNAM, [in] short sPreferred)
```

Parameters

psNAM, sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

psPreferred, sPreferred

A short that indicates the preferred mode. 0 indicates Globalstar Only, 1 indicates Globalstar Preferred, 2 indicates Cellular Preferred, and 3 indicates Cellular Only. Attempts to set the property to non-allowed values causes the property to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

When connected to phones that only support Globalstar mode, an sNAM value other than 2 (the Globalstar Shared NAM) will result in the property returning an invalid argument failure. The script writer may wish to perform some verification of model type prior to utilizing this API.

Example

```
Sub myPrefMode
    'assumes myObject is a connected UTPST.Script object
    Dim myOldPrefMode
    'retrieve the previous value of Cellular NAM 2
    myOldPrefMode = myObject.PreferredMode(1)
    'set the value to allow the user to adjust preferences
    myObject.PreferredMode(1) = TRUE
End Sub
```

6.4.7 SetCellularModePrefs

The **SetCellularModePrefs** is a function that sets the Preferred Cellular Mode and the Allowed Cellular mode. This is done in a single function due to the fact that some combinations are not allowed.

```
HRESULT SetCellularModePrefs ([in] short sNAM, [in] short
    sPreferred, [in] short sAllowed)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sPreferred

A short that indicates the Preferred Cellular Mode. 0 indicates Digital Preferred, 1 indicates Digital Only, 2 indicates Analog Preferred, and 3 indicates Analog Only. Attempts to set the value outside of this range causes the function to return an invalid argument failure.

sAllowed

A short that indicates the Allowed Cellular Modes. 4 indicates CDMA Only, 5 indicates AMPS Only, 6 indicates CDMA and AMPS. Attempts to set the

value outside of this range causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Certain combinations of preferred and allowed cellular modes are not allowed because they may cause operating problems in the phone. These combinations are described below. Attempts to set an entry to combinations or values not allowed causes the function to return an invalid argument failure.

Preferred Cellular Mode	Allowed Cellular Modes		
	CDMA Only(4)	AMPS Only(5)	CDMA and AMPS(6)
Digital Preferred (0)	illegal	illegal	legal
Digital Only (1)	legal	illegal	legal
Analog Preferred (2)	illegal	illegal	legal
Analog Only (4)	illegal	legal	legal

Example

```
Sub mySetCellPrefs
    'assumes myObject is a connected UTPST.Script object
    'for Cellular NAM 2 (1), set the
    'preferred cellular mode to Digital Preferred (0)
    'and the allowed cellular mode to
    'CDMA and AMPS (6)
    myObject.SetCellularModePrefs 1,0,6
End Sub
```

6.4.8 PreferredCellularMode

PreferredCellularMode is a read-only property that indicates the Preferred Cellular Mode.

```
Get: HRESULT PreferredCellularMode ([in] short sNAM, [out, retval]
short *psPreferred)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

psPreferred

A short that indicates the Preferred Cellular Mode. 0 indicates Digital Preferred, 1 indicates Digital Only, 2 indicates Analog Preferred, and 3 indicates Analog Only.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This property can be set using the *SetCellularModePrefs()* function.

Example

```
Sub myCellPref
    'assumes myObject is a connected UTPST.Script object
    Dim myOldCellPref
    myOldCellPref = myObject.PreferredCellularMode
End Sub
```

6.4.9 AllowedCellularModes

AllowedCellularModes is a read-only property that indicates the Allowed Cellular Modes.

```
Get: HRESULT AllowedCellularModes ([in] short sNAM, [out, retval]
short *psAllowed)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

psAllowed

A short that indicates the Allowed Cellular Modes. 4 indicates CDMA Only, 5 indicates AMPS Only, 6 indicates CDMA and AMPS.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This property can be set using the *SetCellularModePrefs()* function.

Example

```
Sub myAllowed
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAllowed
    myOldAllowed = myObject.AllowedCellularModes
End Sub
```

6.4.10 PacketDataPreferredMode

See **PacketDataPreferredMode** in the **Globalstar NAM Parameters** section.

6.4.11 CellularIMSI

The **CellularIMSI** is a read-write property that references the Cellular IMSI.

```
Get: HRESULT CellularIMSI ([in] short sNAM, [out, retval] BSTR
    *pbsIMSI)
Put: HRESULT CellularIMSI ([in] short sNAM, [in] BSTR bsIMSI)
```

Parameters

psNAM, sNAM

A short that indicates the requested NAM for the Cellular IMSI. 0 indicates the Cellular IMSI for Cellular NAM 1, 1 indicates the Cellular IMSI for Cellular NAM 2, and 2 indicates the IMSI for the Globalstar Cellular Shared NAM.

pbsIMSI, bsIMSI

A BSTR that indicates the IMSI. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This method is valid only when connected to phones that support Cellular modes. When connected to phones that only support Globalstar mode, this method will return a failed HRESULT. The script writer should perform some verification of model type prior to utilizing this API.

Example

```
Sub myCellularIMSI
    'assumes myObject is a connected UTPST.Script object
    Dim myOldCellularIMSI
    'retrieve the previous shared Globalstar Cellular IMSI
    myOldCellularIMSI = myObject.CellularIMSI(2)
    'set a new shared Globalstar Cellular IMSI
    myObject.CellularIMSI(2) = "012345678901234"
End Sub
```

6.4.12 SetSIDNIDPairs

The **SetSIDNIDPairs** is a function that sets the four SID/NID pairs. This is done in a single function due to the fact that some combinations are not allowed.

```
HRESULT SetSIDs ([in] short sNAM, [in] long lSID1, [in] long lSID2,
[in] long lSID3, [in] long lSID4, [in] long lNID1, [in] long lNID2,
[in] long lNID3, [in] long lNID4,)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

lSID1

A long that indicates the first SID.

lSID2

A long that indicates the second SID.

lSID3

A long that indicates the third SID.

ISID4

A long that indicates the fourth SID.

INID1

A long that indicates the first NID.

INID2

A long that indicates the second NID.

INID3

A long that indicates the third NID.

INID4

A long that indicates the fourth NID.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Example

```
Sub mySIDNID
    'assumes myObject is a connected UTPST.Script object
    'Set the SID-NID pairs for Cellular NAM 1
    myObject.SetSIDNIDPairs 0,56,56,56,56,3,3,3,3
End Sub
```

6.4.13 SID

SID is a read-only property that retrieves a SID from the SID-NID Pairs.

```
Get: HRESULT SID ([in] short sNAM, [in] short sWhichSID, [out,
retval] long *plSID)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sWhichSID

A short that indicates which SID to request. The range is 1 through 4 inclusive.

pISID

A long that indicates the requested SID value.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This property can be set using the *SetSIDNIDPairs ()* function.

Example

```
Sub mySID
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSID
    'get the Cellular NAM 1's 2nd SID value
    myOldSID = myObject.SID(0,2)
End Sub
```

6.4.14 NID

NID is a read-only property that retrieves a SID from the SID-NID Pairs.

```
Get: HRESULT NID ([in] short sNAM, [in] short sWhichNID, [out,
    retval] long *pINID)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sWhichNID

A short that indicates which NID to request. The range is 1 through 4 inclusive.

pINID

A long that indicates the requested NID value.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This property can be set using the *SetSIDNIDPairs ()* function.

Example

```
Sub myNID
    'assumes myObject is a connected UTPST.Script object
    Dim myOldNID
    'get the Cellular NAM 2's 3rd NID value
    myOldNID = myObject.NID(1,3)
End Sub
```

6.4.15 IS95_ACCOLC

The **IS95_ACCOLC** is a read-write property that indicates the IS-95 Access Overload Class.

```
Get: HRESULT IS95_ACCOLC ([in] short sNAM, [out, retval] short
    *psACCOLC)
Put: HRESULT IS95_ACCOLC ([in] short sNAM, [in] short sACCOLC)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sACCOLC, psACCOLC

The access overload class. Valid range is -1 (representing Standard) or 10 through 15 inclusive. Attempts to set the property to a value outside of that range causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myACC0LC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldACC0LC
    myOldACC0LC = myObject.IS95_ACC0LC
End Sub
```

6.4.16 SetCDMAChannels

The **SetCDMAChannels** is a function that sets the two primary CDMA channels and the two secondary CDMA channels.

```
HRESULT SetCDMAChannels ([in] short sNAM, [in] short sPrimaryA,
[in] short sPrimaryB, [in] short sSecondaryA, [in] short
sSecondaryB)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sPrimaryA

A short that indicates the Primary A Channel. 0 indicates “Unprogrammed”.

sPrimaryB

A short that indicates the Primary B Channel. 0 indicates “Unprogrammed”.

sSecondaryA

A short that indicates the Secondary A Channel. 0 indicates “Unprogrammed”.

sSecondaryB

A short that indicates the Secondary B Channel. 0 indicates “Unprogrammed”.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The valid range for each channel is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set one or more of the values outside of the valid range causes the function to return an HRESULT indicating an invalid argument failure.

Example

```
Sub myChannels
    'assumes myObject is a connected UTPST.Script object
    'Set the CDMA Channels for Cellular NAM 1 (0)
    'primary A is 12, primary B is 14, secondary A is 16,
    'secondary B is 18
    myObject.SetCDMAChannels 0,12,14,16,18
End Sub
```

6.4.17 CDMAPrimaryChannelA

CDMAPrimaryChannelA is a read-only property that retrieves the CDMA Primary Channel A.

```
Get: HRESULT CDMAPrimaryChannelA ([in] short sNAM, [out, retval]
short *psChannel)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

psChannel

A short representing the primary A channel.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This property can be set using the *SetCDMAChannels ()* function.

Example

```
1 Sub myChannel
2     'assumes myObject is a connected UTPST.Script object
3     Dim myOldChannel
4     'get the Cellular NAM 1's Primary A Channel
5     myOldChannel = myObject.CDMAPrimaryChannelA(0)
6 End Sub
```

6.4.18 CDMAPrimaryChannelB

CDMAPrimaryChannelB is a read-only property that retrieves the CDMA Primary Channel B.

```
11 Get: HRESULT CDMAPrimaryChannelB ([in] short sNAM, [out, retval]
12 short *psChannel)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

psChannel

A short representing the primary B channel.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This property can be set using the *SetCDMAChannels ()* function.

Example

```
25 Sub myChannel
26     'assumes myObject is a connected UTPST.Script object
27     Dim myOldChannel
28     'get the Cellular NAM 1's Primary B Channel
29     myOldChannel = myObject.CDMAPrimaryChannelB(0)
30 End Sub
```

6.4.19 CDMASecondaryChannelA

CDMASecondaryChannelA is a read-only property that retrieves the CDMA Secondary Channel A.

```
1      Get: HRESULT CDMASecondaryChannelA ([in] short sNAM, [out, retval]  
2      short *psChannel)
```

3 **Parameters**

4 **sNAM**

5 A short that indicates the requested NAM for the function. 0 indicates
6 Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar
7 Shared NAM.

8 **psChannel**

9 A short representing the secondary A channel.

10 **Return Values**

11 S_OK if successful, otherwise a different HRESULT. Extended error
12 information is available.

13 **Remarks**

14 This property can be set using the *SetCDMAChannels ()* function.

15 **Example**

```
16      Sub myChannel  
17          'assumes myObject is a connected UTPST.Script object  
18          Dim myOldChannel  
19          'get the Cellular NAM 2's Secondary A Channel  
20          myOldChannel = myObject.CDMASecondaryChannelA(1)  
21      End Sub
```

22 **6.4.20 CDMASecondaryChannelB**

23 **CDMASecondaryChannelB** is a read-only property that retrieves the
24 CDMA Secondary Channel A.

```
25      Get: HRESULT CDMASecondaryChannelB ([in] short sNAM, [out, retval]  
26      short *psChannel)
```

27 **Parameters**

28 **sNAM**

29 A short that indicates the requested NAM for the function. 0 indicates
30 Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar
31 Shared NAM.

psChannel

A short representing the secondary B channel.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This property can be set using the *SetCDMAChannels ()* function.

Example

```
Sub myChannel
    'assumes myObject is a connected UTPST.Script object
    Dim myOldChannel
    'get the Cellular NAM 2's Secondary B Channel
    myOldChannel = myObject.CDMASecondaryChannelB(1)
End Sub
```

6.4.21 CDMASetTermRegistration

The **CDMASetTermRegistration** is a function that sets CDMA Home SID Term Registration and the CDMA Foreign SID and NID Term Registration.

```
HRESULT CDMASetTermRegistration ([in] short sNAM, [in] BOOL
    bHomeSID, [in] BOOL bForeignSID, [in] BOOL bForeignNID)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

bHomeSID

A BOOL that indicates the CDMA Home SID Term Registration. Valid range is TRUE or FALSE.

bForeignSID

A BOOL that indicates the CDMA Foreign SID Term Registration. Valid range is TRUE or FALSE.

bForeignNID

A BOOL that indicates the CDMA Foreign NID Term Registration. Valid range is TRUE or FALSE.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myChannels
    'assumes myObject is a connected UTPST.Script object
    'Set the Term Registration for CDMA NAM 1 (0)
    'all to TRUE
    myObject.CDMASetTermRegistration(0,TRUE,TRUE,TRUE)
End Sub
```

6.4.22 CDMAHomeSIDTermReg

CDMAHomeSIDTermReg is a read-only property that references the CDMA Home SID Termination Registration value.

```
Get: HRESULT CDMAHomeSIDTermReg ([in] short sNAM, [out,retval] BOOL
*pbTerm)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

pbTerm

A BOOL that indicates the term registration value. Valid values are TRUE or FALSE.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Example

```
Sub myTerm
    'assumes myObject is a connected UTPST.Script object
    Dim myOldTerm
    'retrieve the previous Term Registration value
    myOldTerm = myObject.CDMAHomeSIDTermReg
End Sub
```

6.4.23 CDMAForeignSIDTermReg

CDMAForeignSIDTermReg is a read-only property that references the CDMA Foreign SID Termination Registration value.

```
Get: HRESULT CDMAForeignSIDTermReg ([in] short sNAM, [out, retval]
    BOOL *pbTerm)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

pbTerm

A BOOL that indicates the term registration value. Valid values are TRUE or FALSE.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Example

```
Sub myTerm
    'assumes myObject is a connected UTPST.Script object
    Dim myOldTerm
    'retrieve the previous Term Registration value
    myOldTerm = myObject.CDMAForeignSIDTermReg
End Sub
```

6.4.24 CDMAForeignNIDTermReg

CDMAForeignNIDTermReg is a read-only property that references the CDMA Foreign NID Termination Registration value.

```
Get: HRESULT CDMAForeignNIDTermReg ([in] short sNAM, [out, retval]
    BOOL *pbTerm)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

pbTerm

A BOOL that indicates the term registration value. Valid values are TRUE or FALSE.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Example

```
Sub myTerm
    'assumes myObject is a connected UTPST.Script object
    Dim myOldTerm
    'retrieve the previous Term Registration value
    myOldTerm = myObject.CDMAForeignNIDTermReg
End Sub
```

6.4.25 SetCDMALockSIDList

The **SetCDMALockSIDList** is a function that sets the CDMA Lock SID List.

```
HRESULT SetCDMALockSIDList ([in] short sNAM, [in] long lLockSID1,
    [in] long lLockSID2, [in] long lLockSID3, [in] long lLockSID4, [in]
    long lLockSID5, [in] long lLockSID6)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

ILockSID1

A long that indicates the first Lock SID value.

ILockSID2

A long that indicates the second Lock SID value.

ILockSID3

A long that indicates the third Lock SID value.

ILockSID4

A long that indicates the fourth Lock SID value.

ILockSID5

A long that indicates the fifth Lock SID value.

ILockSID6

A long that indicates the sixth Lock SID value.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set one or more of the values outside of the valid range causes the function to return an HRESULT indicating an invalid argument failure.

Example

```
Sub myLockSID
    'assumes myObject is a connected UTPST.Script object
    'Set the Lock SID list CDMA Channels for CDMA NAM 2 (1)
    myObject.SetCDMALockSIDList 1,111,222,333,0,0,0
End Sub
```

6.4.26 CDMA LockSID

CDMA LockSID is a read-only property that references an element in the CDMA Lock SID list.

```
Get: HRESULT CDMA LockSID ([in] short sNAM, [in] short sWhichSID,
[out, retval] long *plSID)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sWhichSID

A short that indicates which SID to request. The range is 1 through 6 inclusive.

pbSID

The requested SID.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Example

```
Sub myLockSID
    'assumes myObject is a connected UTPST.Script object
    Dim myOldLockSID
    'retrieve the 1st Lock SID for Globalstar Shared
    'Cellular NAM (2)
    myOldTerm = myObject.CDMA LockSID(2,1)
End Sub
```

6.4.27 CDMA PrefServingSys

The **CDMA PrefServingSys** is a read-write property that indicates the CDMA Preferred Serving System.

```
Get: HRESULT CDMA PrefServingSys ([in] short sNAM, [out, retval]
short *psSys)
Put: HRESULT CDMA PrefServingSys ([in] short sNAM, [in] short sSys)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sSys, psSys

The CDMA Preferred Serving System. Autonomous Registration Value. 0 indicates 'A Only', 1 indicates 'A then B', 2 indicates 'B only', 3 indicates 'B then A', 4 indicates 'No Roaming', 5 indicates 'Automatic'.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myCDMAPrefSys
    'assumes myObject is a connected UTPST.Script object
    Dim myOldCDMAPrefSys
    'get the Cellular NAM 1 CDMA Preferred Serving System
    myOldCDMAPrefSys = myObject.CDMAPrefServingSys(0)
    'set the CDMA preferred serving system to Automatic
    myObject.CDMAPrefServingSys(0,5)
End Sub
```

6.4.28 AMPSMIN

The **AMPSMIN** is a read-write property that references the AMPS Mobile Identifier Number.

```
Get: HRESULT AMPSMIN ([in] short sNAM, [out, retval] BSTR *pbsMIN)
Put: HRESULT AMPSMIN ([in] short sNAM, [in] BSTR bsMIN)
```

Parameters**psNAM, sNAM**

A short that indicates the requested NAM for the AMPS MIN. 0 indicates the AMPS MIN for Cellular NAM 1, 1 indicates the AMPS MIN for Cellular NAM 2, and 2 indicates the AMPS MIN for the Globalstar Cellular Shared NAM.

pbsMIN, bsMIN

A BSTR that indicates the AMPS MIN. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This method is valid only when connected to phones that support Cellular modes. When connected to phones that only support Globalstar mode, this method will return a failed HRESULT. The script writer should perform some verification of model type prior to utilizing this API.

Example

```
Sub myAMPSMIN
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAMPSMIN
    'retrieve the previous shared Globalstar AMPS MIN
    myOldAMPSMIN = myObject.AMPSMIN(2)
    'set a new shared Globalstar AMPS MIN
    myObject.AMPSMIN(2) = "0123456789"
End Sub
```

6.4.29 AMPSFirstPagingChannel

The **AMPSFirstPagingChannel** is a read-write property that indicates the AMPS first paging channel.

```
Get: HRESULT AMPSFirstPagingChannel ([in] short sNAM, [out, retval]
short *psChannel)
Put: HRESULT AMPSFirstPagingChannel ([in] short sNAM, [in] short
sChannel)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sChannel, psChannel

The AMPS First Paging Channel. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. 0 indicates “Unprogrammed”. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAMPSFirstChnl
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAMPSFirstChnl
    'get the Cellular NAM 1 first paging channel
    myOldAMPSFirstChnl = myObject.AMPSFirstPagingChannel(0)
End Sub
```

6.4.30 SetAMPSControlChannel

The **SetAMPSControlChannel** is a function that sets the AMPS Control Channel.

```
HRESULT SetAMPSControlChannel ([in] short sNAM, [in] short
sChannelA, [in] short sChannelB)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sChannelA

A short that indicates Control Channel for Carrier Band A.

sChannelB

A short that indicates Control Channel for Carrier Band B.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Example

```
Sub myAMPSControlChnl
    'assumes myObject is a connected UTPST.Script object
    'Set the AMPS Control Channel for Cellular NAM 1 (0)
    'band A to 333, band B to 334
    myObject.SetAMPSControlChannel 0,333,334
End Sub
```

6.4.31 AMPSControlChannelA

AMPSControlChannelA is a read-only property that references AMPS First Control Channel Band A.

```
Get: HRESULT AMPSControlChannelA ([in] short sNAM, [out, retval]
short *psChannel)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

psChannel

The AMPS control channel band A.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Example

```
Sub myChannel
    'assumes myObject is a connected UTPST.Script object
```

```

1         Dim myOldChannel
2         'retrieve AMPS Control Channel A for Globalstar Shared
3         'Cellular NAM (2)
4         myOldTerm = myObject.AMPSControlChannelA(2)
5     End Sub

```

6.4.32 *AMPSControlChannelB*

AMPSControlChannelB is a read-only property that references AMPS First Control Channel Band B.

```

9     Get: HRESULT AMPSControlChannelB ([in] short sNAM, [out, retval]
10    short *psChannel)

```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

psChannel

The AMPS control channel band B.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Example

```

21     Sub myChannel
22         'assumes myObject is a connected UTPST.Script object
23         Dim myOldChannel
24         'retrieve AMPS Control Channel B for Globalstar Shared
25         'Cellular NAM (2)
26         myOldTerm = myObject.AMPSControlChannelB(2)
27     End Sub
28

```

6.4.33 *AMPSAutonomousReg*

The **AMPSAutonomousReg** is a read-write property that indicates the AMPS Autonomous Registration value.

```

32     Get: HRESULT AMPSAutonomousReg ([in] short sNAM, [out, retval]
33     short *psReg)
34     Put: HRESULT AMPSAutonomousReg ([in] short sNAM, [in] short sReg)

```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sRegl, psReg

The AMPS Autonomous Registration Value. 0 indicates Disabled, 1 indicates Yes, and 2 indicates Hide.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAMPSAutoReg
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAMPSAutoReg
    'get the Cellular NAM 1 AMPS Autonomous Registration
    myOldAMPSAutoReg = myObject.AMPSAutonomousReg(0)
End Sub
```

6.4.34 AMPShomeSID

The **AMPShomeSID** is a read-write property that indicates the AMPS Home SID value.

Get: HRESULT AMPShomeSID ([in] short sNAM, [out, retval] long *plHomeSID)

Put: HRESULT AMPShomeSID ([in] short sNAM, [in] long lHomeSID)

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

IHomeSID, plHomeSID

The AMPS Home SID value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAMPShomeSID
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAMPShomeSID
    'get the Cellular NAM 1 AMPS Home SID
    myOldAMPShomeSID = myObject.AMPShomeSID (0)
End Sub
```

6.4.35 AMPSPrefServingSys

The **AMPSPrefServingSys** is a read-write property that indicates the AMPS Preferred Serving System.

```
Get: HRESULT AMPSPrefServingSys ([in] short sNAM, [out, retval]
short *psSys)
Put: HRESULT AMPSPrefServingSys ([in] short sNAM, [in] short sSys)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sSys, psSys

The AMPS Preferred Serving System. Autonomous Registration Value. 0 indicates 'A Only', 1 indicates 'A then B', 2 indicates 'B only', 3 indicates 'B then A', 4 indicates 'No Roaming', 5 indicates 'Automatic'.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAMPSPrefSys
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAMPSPrefSys
    'get the Cellular NAM 1 AMPS Preferred Serving System
    myOldAMPSPrefSys = myObject.AMPSPrefServingSys(0)
    'set the AMPS preferred serving system to Automatic
    myObject.AMPSPrefServingSys(0,5)
End Sub
```

6.4.36 SetAMPSLockSIDList

The **SetAMPSSIDList** is a function that sets the AMPS Lock SID List.

```
HRESULT SetAMPSLockSIDList ([in] short sNAM, [in] long lLockSID1,
[in] long lLockSID2, [in] long lLockSID3, [in] long lLockSID4, [in]
long lLockSID5, [in] long lLockSID6)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

lLockSID1

A long that indicates the first Lock SID value.

lLockSID2

A long that indicates the second Lock SID value.

lLockSID3

A long that indicates the third Lock SID value.

lLockSID4

A long that indicates the fourth Lock SID value.

ILockSID5

A long that indicates the fifth Lock SID value.

ILockSID6

A long that indicates the sixth Lock SID value.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set one or more of the values outside of the valid range causes the function to return an HRESULT indicating an invalid argument failure.

Example

```
Sub myLockSID
    'assumes myObject is a connected UTPST.Script object
    'Set the Lock SID list CDMA Channels for CDMA NAM 2 (1)
    myObject.SetAMPSLockSIDList(1,111,222,333,0,0,0)
End Sub
```

6.4.37 AMPSLockSID

AMPSLockSID is a read-only property that references an element in the AMPS Lock SID list.

```
Get: HRESULT AMPSLockSID ([in] short sNAM, [in] short sWhichSID,
[out, retval] long *plSID)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sWhichSID

A short that indicates which SID to request. The range is 1 through 6 inclusive.

pbSID

The requested SID.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myLockSID
    'assumes myObject is a connected UTPST.Script object
    Dim myOldLockSID
    'retrieve the 1st Lock SID for Globalstar Shared
    'Cellular NAM (2)
    myOldTerm = myObject.AMPSLockSID(2,1)
End Sub
```

6.4.38 AMPSSendPIN

The **AMPSSendPIN** is a read-write property that indicates whether to prompt the user to send the PIN.

```
Get: HRESULT AMPSSendPIN ([in] short sNAM, [out, retval] short
    *psPrompt)
Put: HRESULT AMPSSendPIN ([in] short sNAM, [in] short sPrompt)
```

Parameters**sNAM**

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sPrompt, psPrompt

The AMPS Send PIN Number value. 0 indicates Never, 1 indicates Prompt.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAMPSSendPIN
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAMPSSendPIN
    'get the Cellular NAM 1 AMPS Send PIN value
    myOldAMPSSendPIN = myObject.AMPSSendPIN(0)
    'set the AMPS Send PIN value to Never (0)
    myObject.AMPSSendPIN(0,0)
End Sub
```

6.4.39 AMPSAutoPIN

The **AMPSAutoPIN** is a read-write property that references the AMPSAutoPIN.

```
Get: HRESULT AMPSAutoPIN ([out, retval] BSTR *pbsPIN)
Put: HRESULT AMPSAutoPIN ([in] BSTR bsPIN)
```

Parameters

pbsPIN, bsPIN

A BSTR that indicates the AMPS Auto PIN. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myPIN
    'assumes myObject is a connected UTPST.Script object
    Dim myOldPIN
    myOldPIN = myObject.AMPSAutoPIN
    myObject.AMPSAutoPIN = "1234"
End Sub
```

6.4.40 **AMPS_ACCOLC**

The **AMPS_ACCOLC** is a read-write property that indicates the AMPS Access Overload Class.

```
Get: HRESULT AMPS_ACCOLC ([in] short sNAM, [out, retval] short
    *psACCOLC)
Put: HRESULT AMPS_ACCOLC ([in] short sNAM, [in] short sACCOLC)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

sACCOLC, psACCOLC

The access overload class. Valid range is –1 (representing Standard) or 10 through 15 inclusive. Attempts to set the property to a value outside of that range causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myACCOLC
    'assumes myObject is a connected UTPST.Script object
    Dim myOldACCOLC
    myOldACCOLC = myObject.AMPS_ACCOLC
End Sub
```

6.4.41 **EVRCEnabled**

The **EVRCEnabled** is a read-write property that indicates the EVRC Enabled value.

```
Get: HRESULT EVRCEnabled ([in] short sNAM, [out, retval] BOOL
    *pbEnabled)
Put: HRESULT EVRCEnabled ([in] short sNAM, [in] short bEnabled)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

bEnabled, pbEnable

A BOOL that indicates whether to enable or disable EVRC capability. TRUE indicates Yes, and FALSE indicates No. Attempts to set the property to a value outside of that range causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myEVRCEnabled
    'assumes myObject is a connected UTPST.Script object
    Dim myOldEVRCEnabled
    myOldEVRCEnabled = myObject.EVRCEnabled
    'enable the EVRC
    myObject.EVRCEnabled = TRUE
End Sub
```

6.4.42 EVRCServiceOptionHomePage

The **EVRCServiceOptionHomePage** is a read-write property that indicates the EVRC Service Option Home Page value.

```
Get: HRESULT EVRCServiceOptionHomePage ([in] short sNAM, [out,
retval] long *plOption)
Put: HRESULT EVRCServiceOptionHomePage ([in] short sNAM, [in] long
lOption)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

IOption, plOption

A long that indicates what value to set. Valid range is 0 representing “Wild”, 1 representing IS96A, 3 representing EVRC, 32768 representing 13K, and 32769 representing IS96. Attempts to set the property to a value outside of that range causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySrvcOptHomePage
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSrvcOptHomePage
    myOldSrvcOptHomePage = myObject.EVRCServiceOptionHomePage
    'set the value to 'Wild' (0)
    myObject.EVRCServiceOptionHomePage = 0
End Sub
```

6.4.43 EVRCServiceOptionHomeOrigination

The **EVRCServiceOptionHomeOrigination** is a read-write property that indicates the EVRC Service Option Home Origination value.

```
Get: HRESULT EVRCServiceOptionHomePage ([in] short sNAM, [out,
retval] long *plOption)
Put: HRESULT EVRCServiceOptionHomePage ([in] short sNAM, [in] long
lOption)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

IOption, plOption

A long that indicates what value to set. Valid range is 1 representing IS96A, 3 representing EVRC, 32768 representing 13K, and 32769 representing IS96. Attempts to set the property to a value outside of that range causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySrvcOptHomeOrig
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSrvcOptHomeOrig
    myOldSrvcOptHomeOrig =
myObject.EVRCServiceOptionHomeOrigination
    'set the value to '13K' (32768)
    myObject.EVRCServiceOptionHomeOrigination = 32768
End Sub
```

6.4.44 EVRCServiceOptionRoamOrigination

The **EVRCServiceOptionRoamOrigination** is a read-write property that indicates the EVRC Service Option Roam Origination value.

```
Get: HRESULT EVRCServiceOptionRoamPage ([in] short sNAM, [out,
retval] long *plOption)
Put: HRESULT EVRCServiceOptionRoamPage ([in] short sNAM, [in] long
lOption)
```

Parameters

sNAM

A short that indicates the requested NAM for the function. 0 indicates Cellular NAM 1, 1 indicates Cellular NAM 2, and 2 indicates the Globalstar Shared NAM.

lOption, plOption

A long that indicates what value to set. Valid range is 1 representing IS96A, 3 representing EVRC, 32768 representing 13K, and 32769 representing IS96. Attempts to set the property to a value outside of that range causes the function to return an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySrvcOptRoamOrig
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSrvcOptRoamOrig
    myOldSrvcOptRoamOrig =
myObject.EVRCSERVICEOPTIONRoamOrigination
    'set the value to '13K' (32768)
    myObject.EVRCSERVICEOPTIONRoamOrigination = 32768
End Sub
```

6.5 User Preference – Display

6.5.1 Banner

The **Banner** is a read-write property that references the Banner.

```
Get: HRESULT Banner ([out, retval] BSTR *pbsBanner)
Put: HRESULT Banner ([in] BSTR bsBanner)
```

Parameters

pbsBanner, bsBanner

A BSTR that indicates the Banner. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myBanner
    'assumes myObject is a connected UTPST.Script object
    Dim myOldBanner
    'retrieve the previous Banner
    myOldBanner = myObject.Banner
    'set the Banner
```

```
1         myObject.Banner = "Globalstar"  
2     End Sub
```

3 **6.5.2 Backlight**

4 **Backlight** is a read-write property that indicates what the Backlight setting
5 should be.

```
6     Get: HRESULT Backlight ([out, retval] short *psBacklight)  
7     Put: HRESULT Backlight ([in] short sBacklight)
```

8 **Parameters**

9 **sBacklight, psBacklight**

10 The Backlight value. 4 indicates 'Off', 5 indicates '7 seconds', 6 indicates '15
11 seconds, 7 indicates '30 seconds', 8 indicates 'Always on'.

12 **Return Values**

13 S_OK if successful, otherwise a different HRESULT. Extended error
14 information is available.

15 **Remarks**

16 None.

17 **Example**

```
18     Sub myBacklight  
19         'assumes myObject is a connected UTPST.Script object  
20         Dim myOldBacklight  
21         'get the backlight value  
22         myOldBacklight = myObject.Backlight  
23         'set the backlight value to 15 seconds (6)  
24         myObject.Backlight = 6  
25     End Sub
```

26 **6.5.3 AutoHyphenation**

27 **AutoHyphenation** is a read-write property that references the Auto
28 Hyphenation value.

```
29     Get: HRESULT AutoHyphenation ([out, retval] BOOL  
30     *pbAutoHyphenation)  
31     Put: HRESULT AutoHyphenation ([in] BOOL bAutoHyphenation)
```

Parameters

pbAutoHyphenation, bAutoHyphenation

A BOOL that indicates the Auto Hyphenation value. FALSE indicates Auto Hyphenation is off. TRUE indicates that Auto Hyphenation is on.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAutoHyphen
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAutoHyphen
    'retrieve the previous Auto Hyphenation value
    myOldAutoHyphen = myObject.AutoHyphenation
    'set Auto Hyphenation to on
    myObject.AutoHyphenation = TRUE
End Sub
```

6.5.4 ShowTime

ShowTime is a read-write property that references the Show Time value.

```
Get: HRESULT ShowTime ([out, retval] short *psShowTime)
Put: HRESULT ShowTime ([in] short sShowTime)
```

Parameters

psShowTime, sShowTime

A short that indicates the Show Time value. 4 indicates 'off', 5 indicates '12 hours', 6 indicates '24 hours', 7 indicates 'UTC Only'.

Note

'UTC-only' is valid only for tri-mode phones as it applies only to CDMA and AMPS.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myShowTime
    'assumes myObject is a connected UTPST.Script object
    Dim myOldShowTime
    'retrieve the previous Show Time value
    myOldShowTime = myObject.ShowTime
    'set Show Time to 12 hours (5)
    myObject.ShowTime = 5
End Sub
```

6.5.5 Timezone

Timezone is a read-write property that indicates what the Timezone setting should be.

```
Get: HRESULT Timezone ([out, retval] short *psTimezone)
Put: HRESULT Timezone ([in] short sTimezone)
```

Parameters

sTimezone, psTimezone

The Timezone value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myBacklight
    'assumes myObject is a connected UTPST.Script object
```

```

1         Dim myOldTimezone
2         'get the timezone value
3         myOldTimezone = myObject.Timezone
4         'set the timezone value
5         myObject.Timezone = 3
6     End Sub

```

6.5.6 SetLastCallDialedDigits

SetLastCallDialedDigits is a function that sets the text and number for the Last Call Dialed Digits value.

```

10     HRESULT SetLastCallDialedDigitsText ([in] BSTR bsDialed, [in] BSTR
11     bsDialedNum)

```

Parameters

bsDialed

A BSTR that indicates the Last Call Dialed Digits Text. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

bsDialedNum

A BSTR that indicates the Last Called Dialed Digits number. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

29     Sub myDialed
30         'assumes myObject is a connected UTPST.Script object
31         'set the dialed digits text and number
32         myObject.SetLastCallDialedDigits "Last Call", "8005551212"
33     End Sub
34

```

6.5.7 LastCallDialedDigitsText

The **LastCallDialedDigitsText** is a read-only property that references the text field for Last Call Dialed Digits.

```
Get: HRESULT LastCallDialedDigitsText ([out, retval] BSTR
    *pbsDialed)
```

Parameters

pbsDialed

A BSTR that indicates the Last Call Dialed Digits Text.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myDialed
    'assumes myObject is a connected UTPST.Script object
    Dim myOldDialed
    'retrieve the previous dialed digits text
    myOldDialed = myObject.LastCallDialedDigitsText
End Sub
```

6.5.8 LastCallDialedDigitsNumber

LastCallDialedDigitsNumber is a read-only property that references the Last Call Dialed Digits number.

```
Get: HRESULT LastCallDialedDigitsNumber ([out, retval] BSTR
    *pbsDialedNum)
```

Parameters

pbsDialedNum

A BSTR that indicates the Last Called Dialed Digits number.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myDialedNum
    'assumes myObject is a connected UTPST.Script object
    Dim myOldDialedNum
    'retrieve the previous dialed digits number
    myOldDialedNum = myObject.LastCallDialedDigitsNumber
End Sub
```

6.5.9 Language

Language is a read-write property that indicates what the Language setting should be.

```
Get: HRESULT Language ([out, retval] short *psLanguage)
Put: HRESULT Language ([in] short sLanguage)
```

Parameters

sLanguage, psLanguage

The Language value. 0 indicates 'English', 1 indicates 'Latin American Spanish', 2 indicates 'Latin American Portuguese', 3 indicates 'Canadian French', 4 indicates 'Russian', and 5 indicates 'Chinese'.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

Some older phones do not have Russian available. If the phone does not have Russian available the set property call will fail.

Example

```
Sub myLanguage
    'assumes myObject is a connected UTPST.Script object
    Dim myOldLanguage
    'get the language value
    myOldLanguage = myObject.Language
    'set the language value to English (0)
    myObject.Language = 0
End Sub
```

6.5.10 SortPhonebook

SortPhonebook is a read-write property that references the Sort Phonebook value.

Get: HRESULT SortPhonebook ([out, retval] short *psType)

Put: HRESULT SortPhonebook ([in] short sType)

Parameters

psType, sType

A short that indicates the Sort Phonebook value. 4 indicates 'Location Number' and 5 indicates 'Alphabetic'.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySortPhonebook
    'assumes myObject is a connected UTPST.Script object
    Dim myOldSortPhonebook
    'retrieve the previous Sort Phonebook value
    myOldSortPhonebook = myObject.SortPhonebook
    'set SortPhonebook to 'Location Number' (4)
    myObject.ShowTime = 4
End Sub
```

6.6 User Preference – Sounds

6.6.1 EarpieceVolume

EarpieceVolume is a read-write property that indicates what the Earpiece Volume setting should be.

Get: HRESULT EarpieceVolume ([out, retval] short *psVolume)

Put: HRESULT EarpieceVolume ([in] short sVolume)

Parameters

sVolume, psVolume

The Earpiece Volume value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myVolume
    'assumes myObject is a connected UTPST.Script object
    Dim myOldVolume
    'get the earpiece volume value
    myOldVolume = myObject.EarpieceVolume
    'set the earpiece volume level
    myObject.EarpieceVolume = 6
End Sub
```

6.6.2 KeybeepVolume

KeybeepVolume is a read-write property that indicates what the Keybeep Volume setting should be.

```
Get: HRESULT KeybeepVolume ([out, retval] short *psVolume)
Put: HRESULT KeybeepVolume ([in] short sVolume)
```

Parameters

sVolume, psVolume

The Keybeep Volume value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
1 Sub myVolume
2     'assumes myObject is a connected UTPST.Script object
3     Dim myOldVolume
4     'get the keybeep volume value
5     myOldVolume = myObject.KeybeepVolume
6     'set the keybeep volume level
7     myObject.KeybeepVolume = 6
8 End Sub
```

6.6.3 KeybeepSound

KeybeepSound is a read-write property that indicates what the Keybeep Sound setting should be.

```
15 Get: HRESULT KeybeepSound ([out, retval] short *psSound)
16 Put: HRESULT KeybeepSound ([in] short sSound)
```

Parameters

sSound, psSound

The Keybeep Sound value. 4 indicates tones, and 5 indicates clicks.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
25 Sub mySound
26     'assumes myObject is a connected UTPST.Script object
27     Dim myOldSound
28     'get the keybeep sound value
29     myOldSound = myObject.KeybeepSound
30     'set the keybeep sound to tones (4)
31     myObject.KeybeepSound = 4
32 End Sub
```

6.6.4 KeybeepLength

KeybeepLength is a read-write property that indicates what the Keybeep Length setting should be.

```
Get: HRESULT KeybeepLength ([out, retval] short *psLength)
Put: HRESULT KeybeepLength ([in] short sLength)
```

Parameters

sLength, psLength

The Keybeep Length value. 4 indicates normal, and 5 indicates long.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySound
    'assumes myObject is a connected UTPST.Script object
    Dim myOldLength
    'get the keybeep sound value
    myOldLength = myObject.KeybeepLength
    'set the keybeep length to normal (4)
    myObject.KeybeepLength = 4
End Sub
```

6.6.5 RingerVolume

RingerVolume is a read-write property that indicates what the Ringer Volume setting should be.

```
Get: HRESULT RingerVolume ([out, retval] short *psVolume)
Put: HRESULT RingerVolume ([in] short sVolume)
```

Parameters

sVolume, psVolume

The Ringer Volume value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myVolume
    'assumes myObject is a connected UTPST.Script object
    Dim myOldVolume
    'get the ringer volume value
    myOldVolume = myObject.RingerVolume
    'set the ringer volume level
    myObject.RingerVolume = 6
End Sub
```

6.6.6 RingerType

RingerType is a read-write property that indicates what the Ringer Type setting should be.

```
Get: HRESULT RingerType ([out, retval] short *psType)
Put: HRESULT RingerType ([in] short sType)
```

Parameters

sType, psType

The Ringer Type value. 4 indicates Standard, 5 indicates Option 1, 6 indicates Option 2, 7 indicates Option 3, 8 indicates Option 4, 9 indicates Star Spangled Banner, 10 indicates Marseillaise, 11 indicates Bach Jesu.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myRingerType
    'assumes myObject is a connected UTPST.Script object
    Dim myOldRingerType
```

```

1      'get the ringer type value
2      myOldSound = myObject.RingerType
3      'set the ringer type to Standard (4)
4      myObject.RingerType = 4
5      End Sub

```

6.6.7 EarpieceCKHandsetVolume

EarpieceCKHandsetVolume is a read-write property that indicates what the Earpiece Car Kit Handset Volume setting should be.

```

9      Get: HRESULT EarpieceCKHandsetVolume ([out, retval] short
10         *psVolume)
11      Put: HRESULT EarpieceCKHandsetVolume ([in] short sVolume)

```

Parameters

sVolume, psVolume

The Earpiece Car Kit Handset Volume value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

24      Sub myVolume
25          'assumes myObject is a connected UTPST.Script object
26          Dim myOldVolume
27          'get the earpiece car kit handset volume value
28          myOldVolume = myObject.EarpieceCKHandsetVolume
29          'set the earpiece car kit handset volume level
30          myObject.EarpieceCKHandsetVolume = 5
31      End Sub

```

6.6.8 CKHandsFreeSpeakerVolume

CKHandsfreeSpeakerVolume is a read-write property that indicates what the CarKit Handsfree Speaker Volume setting should be.

```

35      Get: HRESULT CKHandsFreeSpeakerVolume ([out, retval] short
36         *psVolume)

```

1 Put: HRESULT CKHandsFreeSpeakerVolume ([in] short sVolume)

2 **Parameters**

3 **sVolume, psVolume**

4 The Car Kit Hands Free Speaker Volume value. The valid range is described
5 in the **Globalstar User Terminal Service Programming Guide**.

6 Attempts to set the property outside of the valid range causes the property to
7 return an HRESULT indicating an invalid argument failure..

8 **Return Values**

9 S_OK if successful, otherwise a different HRESULT. Extended error
10 information is available.

11 **Remarks**

12 None.

13 **Example**

```
14           Sub myVolume
15           'assumes myObject is a connected UTPST.Script object
16           Dim myOldVolume
17           'get the earpiece carkit handset volume value
18           myOldVolume = myObject.CKHandsFreeSpeakerVolume
19           'set the earpiece carkit handset volume level
20           myObject.CKHandsFreeSpeakerVolume = 5
21       End Sub
```

22 **6.7 User Preference – Features**

23 **AutoAnswer**

24 **AutoAnswer** is a read-write property that indicates what the Auto Answer
25 setting should be.

```
26           Get: HRESULT AutoAnswer ([out, retval] short *psType)
27           Put: HRESULT AutoAnswer ([in] short sType)
```

28 **Parameters**

29 **sType, psType**

30 The AutoAnswer value. 0 indicates 'off', 1 indicates 'Car Kit after 1 ring', and
31 2 indicates 'Car Kit after 2 rings', 3 indicates '1 ring', 4 indicates '2 rings'.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAutoAnswer
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAutoAnswer
    'get the Auto Answer value
    myOldAutoAnswer = myObject.AutoAnswer
    'set the Auto Answer to Off (0)
    myObject.AutoAnswer = 0
End Sub
```

6.7.1 OneTouchDial

OneTouchDial is a read-write property that references the One Touch Dial value.

```
Get: HRESULT OneTouchDial ([out, retval] BOOL *pbOneTouchDial)
Put: HRESULT OneTouchDial ([in] BOOL bOneTouchDial)
```

Parameters

pbOneTouchDial, bOneTouchDial

A BOOL that indicates the one touch dial value. FALSE indicates one touch dial is off. TRUE indicates that one touch dial is on.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myOneTouchDial
    'assumes myObject is a connected UTPST.Script object
    Dim myOldOneTouchDial
    'retrieve the previous one touch dial value
    myOldOneTouchDial = myObject.OneTouchDial
```

```
1         'set one touch dial to on
2         myObject.OneTouchDial = 1
3     End Sub
```

6.7.2 AutoRetry

AutoRetry is a read-write property that indicates what the Auto Retry setting should be.

```
7     Get: HRESULT AutoRetry ([out, retval] short *psType)
8     Put: HRESULT AutoRetry ([in] short sType)
```

Parameters

sType, psType

The Auto Retry value. 0 indicates 'off', 1 indicates '10 seconds', 2 indicates '30 seconds', 3 indicates '60 seconds'.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
18
19     Sub myAutoRetry
20         'assumes myObject is a connected UTPST.Script object
21         Dim myOldAutoRetry
22         'get the Auto Retry value
23         myOldAutoRetry = myObject.AutoRetry
24         'set the Auto Retry to Off (0)
25         myObject.AutoRetry = 0
26     End Sub
```

6.7.3 AnyKeyAnswer

AnyKeyAnswer is a read-write property that references the Any Key Answer value.

```
30     Get: HRESULT AnyKeyAnswer ([out, retval] BOOL *pbAnykey)
31     Put: HRESULT AnyKeyAnswer ([in] BOOL bAnykey)
```

Parameters

pbAnyKey, bAnyKey

A BOOL that indicates the any key answer value. FALSE indicates that any key answer is No. TRUE indicates that any key answer is Yes.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAnyKey
    'assumes myObject is a connected UTPST.Script object
    Dim myAnyKey
    'retrieve the previous one touch dial value
    myOldAnyKey = myObject.AnyKeyAnswer
    'set any key answer to Yes
    myObject.AnyKeyAnswer = TRUE
End Sub
```

6.8 User Preference – Phone Book List

Remove_PhonebookEntry

The **Remove_PhonebookEntry** is a function that removes a Phonebook entry.

```
HRESULT Remove_PhonebookEntry ([in] short sPosition)
```

Parameters

sPosition

A short that indicates the position within the phonebook. Its valid range is 1 through 99.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This function will succeed whether or not the service provider list entry actually exists.

Example

```
Sub myRemovePBEntry
    'assumes myObject is a connected UTPST.Script object
    'remove the 3rd phonebook entry
    myObject.Remove_PhonebookEntry(3)
End Sub
```

6.8.1 CleanEntirePhonebook

The **CleanEntirePhonebook** is a function that removes all entries from the Phonebook.

```
HRESULT CleanEntirePhonebook ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myRemoveEntirePhonebook
    'assumes myObject is a connected UTPST.Script object
    'remove all phonebook entries
    myObject.CleanEntirePhonebook
End Sub
```

6.8.2 Set_PhonebookEntry

The **Set_PhonebookEntry** is a function that sets a Phonebook entry.

```
HRESULT Set_PhonebookEntry ([in] short sPosition, [in] BSTR bsName,
[in] BSTR bsNumber, [in] BOOL bSecret)
```

Parameters**sPosition**

A short that indicates the position within the phonebook. Its valid range is 1 through 99.

bsName

A BSTR that indicates the phonebook entry name. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

bsNumber

A BSTR that indicates the phone number. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

bSecret

A BOOL that indicates whether the entry is secret. If TRUE, the value is secret. If FALSE, the value is not secret.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySetPBEntry
    'assumes myObject is a connected UTPST.Script object
    'set a phonebook entry with a position of
    '2, an Name of "My Spouse", a Number of "8005551212",
    'and a secret value of FALSE
    myObject.Set_PhonebookEntry 2,"My Spouse","8005551212",
    FALSE
End Sub
```

6.8.3 PhonebookEntryName

The **PhonebookEntryName** is a read-only property that references the name for a particular phonebook entry.

```
1      Get: HRESULT PhonebookEntryName ([in] short sPosition, [out,  
2      retval] BSTR *pbsName)
```

3 **Parameters**

4 **sPosition**

5 A short that indicates the position within the phonebook. Its valid range is 1
6 through 99.

7 **pbsName**

8 A BSTR that indicates the phonebook entry name.

9 **Return Values**

10 S_OK if successful, otherwise a different HRESULT. Extended error
11 information is available.

12 **Remarks**

13 If the phonebook entry is unused, this will return an empty string.
14

15 **Example**

```
16      Sub myPBName  
17          'assumes myObject is a connected UTPST.Script object  
18          Dim myOldPBName  
19          'get the name in the 3rd phonebook entry  
20          myOldPBName = myObject.PhonebookEntryName(3)  
21      End Sub
```

22 **6.8.4 PhonebookEntryNumber**

23 The **PhonebookEntryNumber** is a read-only property that references the
24 number for a particular phonebook entry.

```
25      Get: HRESULT PhonebookEntryNumber ([in] short sPosition, [out,  
26      retval] BSTR *pbsNumber)
```

27 **Parameters**

28 **sPosition**

29 A short that indicates the position within the phonebook. Its valid range is 1
30 through 99.

31 **pbsName**

32 A BSTR that indicates the phonebook entry number.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

If the phonebook entry is unused, this will return an empty string.

Example

```
Sub myPBNumber
    'assumes myObject is a connected UTPST.Script object
    Dim myOldPBNumber
    'get the number in the 3rd phonebook entry
    myOldPBNumber = myObject.PhonebookEntryNumber(3)
End Sub
```

6.8.5 PhonebookEntrySecret

The **PhonebookEntrySecret** is a read-only property that references the secret setting for a particular phonebook entry.

```
Get: HRESULT PhonebookEntrySecret ([in] short sPosition, [out,
retval] BOOL *pbSecret)
```

Parameters

sPosition

A short that indicates the position within the phonebook. Its valid range is 1 through 99.

pbSecret

A BOOL that indicates the phonebook entry secret setting value. TRUE indicates that the phonebook entry is secret. FALSE indicates that the phonebook entry is not secret.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

If the phonebook entry is unused, this will return an empty string.

Example

```

1
2      Sub myPBSecret
3          'assumes myObject is a connected UTPST.Script object
4          Dim myOldPBSecret
5          'get the secret setting for the 3rd phonebook entry
6          myOldPBSecret = myObject.PhonebookEntrySecret(3)
7      End Sub

```

6.8.6 IsPhonebookEntryUnused

The **IsPhonebookEntryUnused** is a read-only property that indicates whether a phonebook entry is currently unused and available.

```

11      HRESULT IsPhonebookEntryUnused ([in] short sPosition)

```

Parameters

sPosition

A short that indicates the position within the phonebook. Its valid range is 1 through 99.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

21
22      Sub myIsPBEntryAvailable
23          'assumes myObject is a connected UTPST.Script object
24          'is the 7th phonebook entry unused and available for use?
25          Dim IsUnused
26          IsUnused = myObject.IsPhonebookEntryUnused(7)
27      End Sub

```

6.9 User Preference – Security**FieldServiceHiddenCode**

The **FieldServiceHiddenCode** is a read-write property that references the Field Service Hidden Code.

```

32      Get: HRESULT SystemHiddenMenuCode ([out, retval] BSTR *pbsFSHC)
33      Put: HRESULT SystemHiddenMenuCode ([in] BSTR bsFSHC)

```

Parameters

pbsFSHC, bsFSHC

A BSTR that indicates the Field Service Hidden Code. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myFSHC
    'assumes myObject is a connected UTPST.Script object
    Dim myOld_FSHC
    myOld_FSHC = myObject.FieldServiceHiddenCode
    myObject.FieldServiceHiddenCode = "765432"
End Sub
```

6.9.1 UserLockCode

The **UserLockCode** is a read-write property that references the User Lock Code/Security Code.

```
Get: HRESULT UserLockCode ([out, retval] BSTR *pbsULC)
Put: HRESULT UserLockCode ([in] BSTR bsULC)
```

Parameters

pbsULC, bsULC

A BSTR that indicates the User Lock Code. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myULC
    'assumes myObject is a connected UTPST.Script object
    Dim myOld_ULC
    myOld_ULC = myObject.UserLockCode
myObject.UserLockCode = "7654"
End Sub
```

6.9.2 SystemHiddenMenuCode

The **SystemHiddenMenuCode** is a read-write property that references the System Hidden Menu Code.

```
Get: HRESULT SystemHiddenMenuCode ([out, retval] BSTR *pbsSHMC)
Put: HRESULT SystemHiddenMenuCode ([in] BSTR bsSHMC)
```

Parameters

pbsSHMC, bsSHMC

A BSTR that indicates the System Hidden Menu Code. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySHMC
    'assumes myObject is a connected UTPST.Script object
    Dim myOld_SHMC
    myOld_SHMC = myObject.SystemHiddenMenuCode
myObject.SystemHiddenMenuCode = "765432"
End Sub
```

6.9.3 LockMode

LockMode is a read-write property that indicates what the Lock Mode setting should be.

Get: HRESULT LockMode ([out, retval] short *psType)

Put: HRESULT LockMode ([in] short sType)

Parameters

sType, psType

The Lock Mode value. 4 indicates 'Never', 5 indicates 'Now', 6 indicates 'On power-up'.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myLockMode
    'assumes myObject is a connected UTPST.Script object
    Dim myOldLockMode
    'get the Lock Mode value
    myOldLockMode = myObject.LockMode
    'set the Lock Mode to Never (0)
    myObject.LockMode = 0
End Sub
```

6.9.4 RestrictUT

RestrictUT is a read-write property that references the Restrict UT value.

Get: HRESULT RestrictUT ([out, retval] BOOL *pbRestrict)

Put: HRESULT RestrictUT ([in] BOOL bRestrict)

Parameters

pbRestrictUT, bRestrictUT

A BOOL that indicates the restrict UT value. FALSE indicates that the restrict UT value is No. TRUE indicates that the restrict UT value is Yes.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myRestrict
    'assumes myObject is a connected UTPST.Script object
    Dim myOldRestrict
    'retrieve the previous restrict UT
    myOldRestrictUT = myObject.RestrictUT
    'set restrict UT to No
    myObject.RestrictUT = FALSE
End Sub
```

6.10 User Preference – Audible Alerts

6.10.1 ServiceAlert

ServiceAlert is a read-write property that references the Service Alert value.

```
Get: HRESULT ServiceAlert ([out, retval] BOOL *pbAlert)
Put: HRESULT ServiceAlert ([in] BOOL bAlert)
```

Parameters

pbAlert, bAlert

A BOOL that indicates the service alert value. FALSE indicates that the service alert value is Off. TRUE indicates that the service alert value is On.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAlert
```

```
1         'assumes myObject is a connected UTPST.Script object
2         Dim myOldAlert
3         'retrieve the previous service alert
4         myOldAlert = myObject.ServiceAlert
5         'set service alert to Off (FALSE)
6         myObject.ServiceAlert = FALSE
7     End Sub
```

6.10.2 CallFade

CallFade is a read-write property that references the Call Fade value.

```
10     Get: HRESULT CallFade ([out, retval] BOOL *pbAlert)
11     Put: HRESULT CallFade ([in] BOOL bAlert)
```

Parameters

pbAlert, bAlert

A BOOL that indicates the call fade value. FALSE indicates that the call fade value is Off. TRUE indicates that the call fade value is On.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
22     Sub myAlert
23         'assumes myObject is a connected UTPST.Script object
24         Dim myOldAlert
25         'retrieve the previous call fade value
26         myOldAlert = myObject.CallFade
27         'set call fade to Off (FALSE)
28         myObject.CallFade = FALSE
29     End Sub
```

6.10.3 MinuteAlert

MinuteAlert is a read-write property that references the Minute Alert value.

```
33     Get: HRESULT MinuteAlert ([out, retval] BOOL *pbAlert)
34     Put: HRESULT MinuteAlert ([in] BOOL bAlert)
```

Parameters

pbAlert, bAlert

A BOOL that indicates the minute alert value. FALSE indicates that the minute alert value is Off. TRUE indicates that the minute alert value is On.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myAlert
    'assumes myObject is a connected UTPST.Script object
    Dim myOldAlert
    'retrieve the previous minute alert value
    myOldAlert = myObject.MinuteAlert
    'set minute alert to Off (FALSE)
    myObject.MinuteAlert = FALSE
End Sub
```

6.10.4 NewMessageAlert

NewMessageAlert is a read-write property that indicates what the New Message Alert setting should be.

```
Get: HRESULT NewMessageAlert ([out, retval] short *psType)
Put: HRESULT NewMessageAlert ([in] short sType)
```

Parameters

sType, psType

The New Message Alert value. 4 indicates 'Off', 5 indicates 'Once', and 6 indicates 'Periodic'.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
1 Sub myNewMessageAlert
2     'assumes myObject is a connected UTPST.Script object
3     Dim myOldNewMessageAlert
4     'get the New Message Alert value
5     myOldNewMessageAlert = myObject.NewMessageAlert
6     'set the New Message Alert to Periodic (6)
7     myObject.NewMessageAlert = 6
8 End Sub
```

6.11 User Preference – Keypad Lock Override Number List

6.11.1 UserEmergencyNumber

The **UserEmergencyNumber** is a read-write property that references phone numbers on the User Programmable Emergency Number List.

```
15 Get: HRESULT UserEmergencyNumber ([in] short sPosition, [out,
16     retval] BSTR *pbsNumber)
17 Put: HRESULT UserEmergencyNumber ([in] short sPosition, [in] BSTR
18     bsNumber)
```

Parameters

psPosition, sPosition

A short that indicates the position in the list. The list has ten entries, with valid index values being one to three inclusive.

pbsNumber, bsNumber

A BSTR that indicates the number. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
34 Sub myUserNumber
```

```

1         'assumes myObject is a connected UTPST.Script object
2         Dim myUserNumber
3         'retrieve the previous SP Emergency Number at position #2
4         myOldUserNumber = myObject.UserEmergencyNumber(2)
5         'set a different number in position #2
6         myObject.UserEmergencyNumber(2) = "1234567890"
7         End Sub

```

6.12 User Preference – Call Statistics

6.12.1 AllCallsNumber

AllCallsNumber is a function that references the total number of all calls.

```

11         HRESULT AllCallsNumber ([out, retval] unsigned long *pulNumber)

```

Parameters

pulNumber

An unsigned long that indicates the total number of all calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item cannot be cleared.

Example

```

21         Sub myAllCalls
22             'assumes myObject is a connected UTPST.Script object
23             Dim AllCalls
24             'get the all calls number
25             AllCalls = myObject.AllCallsNumber
26         End Sub

```

6.12.2 AllCallsHours

AllCallsHours is a read-only property that references the total hours of elapsed time for all calls.

```

30         Get: HRESULT AllCallsHours ([out, retval] long *plTime)

```

Parameters

plTime

A long that indicates the total hours of elapsed time for all calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item cannot be cleared.

Example

```
Sub myAllCallsHours
    'assumes myObject is a connected UTPST.Script object
    Dim AllCallsHours
    'get the all calls hours
    AllCallsHours = myObject.AllCallsHours
End Sub
```

6.12.3 AllCallsMinutes

AllCallsMinutes is a read-only property that references the total minutes of elapsed time for all calls.

```
Get: HRESULT AllCallsMinutes ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total minutes of elapsed time for all calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item cannot be cleared.

Example

```
Sub myAllCallsMinutes
    'assumes myObject is a connected UTPST.Script object
```

```
1         Dim AllCallsMinutes
2         'get the all calls minutes
3         AllCallsMinutes = myObject.AllCallsMinutes
4     End Sub
```

6.12.4 AllCallsSeconds

AllCallsSeconds is a read-only property that references the total seconds of elapsed time for all calls.

```
8     Get: HRESULT AllCallsSeconds ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total seconds of elapsed time for all calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item cannot be cleared.

Example

```
18     Sub myAllCallsSeconds
19         'assumes myObject is a connected UTPST.Script object
20         Dim AllCallsSeconds
21         'get the all calls seconds
22         AllCallsSeconds = myObject.AllCallsSeconds
23     End Sub
```

6.12.5 HomeCallsNumber

HomeCallsNumber is a function that references the total number of home calls.

```
27     HRESULT HomeCallsNumber ([out, retval] unsigned long
28     *pulNumber)
```

Parameters

pulNumber

An unsigned long that indicates the total number of home calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the HomeCallsClear() function.

Example

```
Sub myHomeCalls
    'assumes myObject is a connected UTPST.Script object
    Dim HomeCalls
    'get the all calls number
    HomeCalls = myObject.HomeCallsNumber
End Sub
```

6.12.6 HomeCallsHours

HomeCallsHours is a read-only property that references the total hours of elapsed time for home calls.

```
Get: HRESULT HomeCallsHours ([out, retval] long *plTime)
```

Parameters

plTime

A long that indicates the total hours of elapsed time for home calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the HomeCallsClear() function.

Example

```
Sub myHomeCallsHours
    'assumes myObject is a connected UTPST.Script object
    Dim HomeCallsHours
    'get the home calls hours
    HomeCallsHours = myObject.HomeCallsHours
End Sub
```

6.12.7 HomeCallsMinutes

HomeCallsMinutes is a read-only property that references the total minutes of elapsed time for home calls.

```
Get: HRESULT HomeCallsMinutes ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total minutes of elapsed time for home calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the HomeCallsClear() function.

Example

```
Sub myHomeCallsMinutes
    'assumes myObject is a connected UTPST.Script object
    Dim HomeCallsMinutes
    'get the home calls minutes
    HomeCallsMinutes = myObject.HomeCallsMinutes
End Sub
```

6.12.8 HomeCallsSeconds

HomeCallsSeconds is a read-only property that references the total seconds of elapsed time for home calls.

```
Get: HRESULT HomeCallsSeconds ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total seconds of elapsed time for home calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the HomeCallsClear() function.

Example

```
Sub myHomeCallsSeconds
    'assumes myObject is a connected UTPST.Script object
    Dim HomeCallsSeconds
    'get the home calls seconds
    HomeCallsSeconds = myObject.HomeCallsSeconds
End Sub
```

6.12.9 HomeCallsClear

HomeCallsClear is a function that clears the Number of Home Calls and the Elapsed Time of Home Calls.

```
HRESULT HomeCallsClear ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myHomeCallsClear
    'assumes myObject is a connected UTPST.Script object
    'clear the home calls counters
    myObject.HomeCallsClear
End Sub
```

6.12.10 RoamingCallsNumber

RoamingCallsNumber is a function that references the total number of roaming calls.

```
HRESULT RoamingCallsNumber ([out, retval] unsigned long
    *pulNumber)
```

Parameters

pulNumber

An unsigned long that indicates the total number of roaming calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the RoamingCallsClear() function.

Example

```
Sub myRoamingCalls
    'assumes myObject is a connected UTPST.Script object
    Dim RoamingCalls
    'get the all calls number
    RoamingCalls = myObject.RoamingCallsNumber
End Sub
```

6.12.11 RoamingCallsHours

RoamingCallsHours is a read-only property that references the total hours of elapsed time for roaming calls.

Get: HRESULT RoamingCallsHours ([out, retval] long *plTime)

Parameters

plTime

A long that indicates the total hours of elapsed time for roaming calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the RoamingCallsClear() function.

Example

```
Sub myRoamingCallsHours
    'assumes myObject is a connected UTPST.Script object
```

```
1         Dim RoamingCallsHours
2         'get the roaming calls hours
3         RoamingCallsHours = myObject.RoamingCallsHours
4     End Sub
```

6.12.12 *RoamingCallsMinutes*

RoamingCallsMinutes is a read-only property that references the total minutes of elapsed time for roaming calls.

Get: HRESULT RoamingCallsMinutes ([out, retval] short *psTime)

Parameters

psTime

A short that indicates the total minutes of elapsed time for roaming calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the RoamingCallsClear() function.

Example

```
18     Sub myRoamingCallsMinutes
19         'assumes myObject is a connected UTPST.Script object
20         Dim RoamingCallsMinutes
21         'get the Roaming calls minutes
22         RoamingCallsMinutes = myObject.RoamingCallsMinutes
23     End Sub
```

6.12.13 *RoamingCallsSeconds*

RoamingCallsSeconds is a read-only property that references the total seconds of elapsed time for roaming calls.

Get: HRESULT RoamingCallsSeconds ([out, retval] short *psTime)

Parameters

psTime

A short that indicates the total seconds of elapsed time for roaming calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the RoamingCallsClear() function.

Example

```
Sub myRoamingCallsSeconds
    'assumes myObject is a connected UTPST.Script object
    Dim RoamingCallsSeconds
    'get the roaming calls seconds
    RoamingCallsSeconds = myObject.RoamingCallsSeconds
End Sub
```

6.12.14 RoamingCallsClear

RoamingCallsClear is a function that clears the Number of Roaming Calls and the Elapsed Time of Roaming Calls.

```
HRESULT RoamingCallsClear ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myRoamingCallsClear
    'assumes myObject is a connected UTPST.Script object
    'clear the roaming calls counters
    myObject.RoamingCallsClear
End Sub
```

6.12.15 RecentCallsNumber

RecentCallsNumber is a function that references the total number of recent calls.

```
1         HRESULT RecentCallsNumber ([out, retval] unsigned long
2         *pulNumber)
```

3 **Parameters**

4 **pulNumber**

5 An unsigned long that indicates the total number of recent calls made.

6 **Return Values**

7 S_OK if successful, otherwise a different HRESULT. Extended error
8 information is available.

9 **Remarks**

10 This item is cleared using the RecentCallsClear() function.

11 **Example**

```
12         Sub myRecentCalls
13             'assumes myObject is a connected UTPST.Script object
14             Dim RecentCalls
15             'get the recent calls number
16             RecentCalls = myObject.RecentCallsNumber
17         End Sub
```

18 **6.12.16 RecentCallsHours**

19 **RecentCallsHours** is a read-only property that references the total hours of
20 elapsed time for recent calls.

```
21         Get: HRESULT RecentCallsHours ([out, retval] long *plTime)
```

22 **Parameters**

23 **plTime**

24 A long that indicates the total hours of elapsed time for recent calls made.

25 **Return Values**

26 S_OK if successful, otherwise a different HRESULT. Extended error
27 information is available.

28 **Remarks**

29 This item is cleared using the RecentCallsClear() function.

Example

```
1 Sub myRecentCallsHours
2     'assumes myObject is a connected UTPST.Script object
3     Dim RecentCallsHours
4     'get the recent calls hours
5     RecentCallsHours = myObject.RecentCallsHours
6 End Sub
```

6.12.17 RecentCallsMinutes

RecentCallsMinutes is a read-only property that references the total minutes of elapsed time for recent calls.

```
11 Get: HRESULT RecentCallsMinutes ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total minutes of elapsed time for recent calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the RecentCallsClear() function.

Example

```
21 Sub myRecentCallsMinutes
22     'assumes myObject is a connected UTPST.Script object
23     Dim RecentCallsMinutes
24     'get the Recent calls minutes
25     RecentCallsMinutes = myObject.RecentCallsMinutes
26 End Sub
```

6.12.18 RecentCallsSeconds

RecentCallsSeconds is a read-only property that references the total seconds of elapsed time for recent calls.

```
30 Get: HRESULT RecentCallsSeconds ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total seconds of elapsed time for recent calls made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the RecentCallsClear() function.

Example

```
Sub myRecentCallsSeconds
    'assumes myObject is a connected UTPST.Script object
    Dim RecentCallsSeconds
    'get the Recent calls seconds
    RecentCallsSeconds = myObject.RecentCallsSeconds
End Sub
```

6.12.19 RecentCallsClear

RecentCallsClear is a function that clears the Number of Recent Calls and the Elapsed Time of Recent Calls.

```
HRESULT RecentCallsClear ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myRecentCallsClear
    'assumes myObject is a connected UTPST.Script object
    'clear the Recent calls counters
    myObject.RecentCallsClear
End Sub
```

6.12.20 LastCallHours

LastCallHours is a read-only property that references the total hours of elapsed time for the last call.

```
1      Get: HRESULT LastCallHours ([out, retval] long *plTime)
```

2 **Parameters**

3 **plTime**

4 A long that indicates the total hours of elapsed time for the last call made.

5 **Return Values**

6 S_OK if successful, otherwise a different HRESULT. Extended error
7 information is available.

8 **Remarks**

9 This item is cleared using the LastCallClear() function.

10 **Example**

```
11      Sub myLastCallHours  
12          'assumes myObject is a connected UTPST.Script object  
13          Dim LastCallHours  
14          'get the last call hours  
15          LastCallHours = myObject.LastCallHours  
16      End Sub
```

17 **6.12.21 LastCallMinutes**

18 **LastCallMinutes** is a read-only property that references the total minutes
19 of elapsed time for the last call.

```
20      Get: HRESULT LastCallMinutes ([out, retval] short *psTime)
```

21 **Parameters**

22 **psTime**

23 A short that indicates the total minutes of elapsed time for the last call
24 made.

25 **Return Values**

26 S_OK if successful, otherwise a different HRESULT. Extended error
27 information is available.

28 **Remarks**

29 This item is cleared using the LastCallClear() function.

Example

```
1 Sub myLastCallMinutes
2     'assumes myObject is a connected UTPST.Script object
3     Dim LastCallMinutes
4     'get the last call minutes
5     LastCallMinutes = myObject.LastCallMinutes
6 End Sub
```

6.12.22 LastCallSeconds

LastCallSeconds is a read-only property that references the total seconds of elapsed time for the last call made.

```
11 Get: HRESULT LastCallSeconds ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total seconds of elapsed time for the last call made.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the LastCallClear() function.

Example

```
20 Sub myLastCallsSeconds
21     'assumes myObject is a connected UTPST.Script object
22     Dim LastCallSeconds
23     'get the last call seconds
24     LastCallSeconds = myObject.LastCallSeconds
25 End Sub
```

6.12.23 LastCallClear

LastCallClear is a function that clears the Time of Last Call.

```
29 HRESULT LastCallClear ( )
```

Parameters

None.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myLastCallClear
    'assumes myObject is a connected UTPST.Script object
    'clear the last calls counters
    myObject.LastCallClear
End Sub
```

6.12.24 DataServicesHours

DataServicesHours is a read-only property that references the total hours of elapsed time for the last call.

Get: HRESULT DataServicesHours ([out, retval] long *plTime)

Parameters

plTime

A long that indicates the total hours of elapsed time for data services calls.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the DataServicesClear() function.

Example

```
Sub myDataServicesHours
    'assumes myObject is a connected UTPST.Script object
    Dim DataServicesHours
    'get the data services hours
    DataServicesHours = myObject.DataServicesHours
End Sub
```

6.12.25 *DataServicesMinutes*

DataServicesMinutes is a read-only property that references the total minutes of elapsed time for data services calls.

```
Get: HRESULT DataServicesMinutes ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total minutes of elapsed time for data services calls.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the DataServicesClear() function.

Example

```
Sub myDataServicesMinutes
    'assumes myObject is a connected UTPST.Script object
    Dim DataServicesMinutes
    'get the last call minutes
    DataServicesMinutes = myObject.DataServicesMinutes
End Sub
```

6.12.26 *DataServicesSeconds*

DataServicesSeconds is a read-only property that references the total seconds of elapsed time for data services calls.

```
Get: HRESULT DataServicesSeconds ([out, retval] short *psTime)
```

Parameters

psTime

A short that indicates the total seconds of elapsed time for data services calls.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the DataServicesClear() function.

Example

```
Sub myDataServicesSeconds
    'assumes myObject is a connected UTPST.Script object
    Dim DataServicesSeconds
    'get the last call seconds
    DataServicesSeconds = myObject.DataServicesSeconds
End Sub
```

6.12.27 DataServicesTransmittedBytes

DataServicesTransmittedBytes is a function that references the total number of transmitted bytes for Data Services calls.

```
Get: HRESULT DataServicesTransmittedBytes ([out, retval] unsigned
long *pulNumber)
```

Parameters

pulNumber

An unsigned long that indicates the total number of transmitted bytes.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

This item is cleared using the DataServicesClear() function.

Example

```
Sub myTXBytes
    'assumes myObject is a connected UTPST.Script object
    Dim TXBytes
    'get the data services transmitted bytes number
    TXBytes = myObject.DataServicesTransmittedBytes
End Sub
```

6.12.28 DataServicesReceivedBytes

DataServicesReceivedBytes is a read-only property that references the total number of received bytes for Data Services calls.

```
1      Get: HRESULT DataServicesReceivedBytes ([out, retval] unsigned long
2      *pulNumber)
```

3 **Parameters**

4 **pulNumber**

5 An unsigned long that indicates the total number of transmitted bytes.

6 **Return Values**

7 S_OK if successful, otherwise a different HRESULT. Extended error
8 information is available.

9 **Remarks**

10 This item is cleared using the DataServicesClear() function.

11 **Example**

```
12      Sub myRXBytes
13          'assumes myObject is a connected UTPST.Script object
14          Dim RXBytes
15          'get the data services received bytes number
16          RXBytes = myObject.DataServicesReceivedBytes
17      End Sub
```

18 **6.12.29 DataServicesClear**

19 **DataServicesClear** is a function that clears the Time of Last Call.

```
20      HRESULT DataServicesClear ( )
```

21 **Parameters**

22 None.

23 **Return Values**

24 S_OK if successful, otherwise a different HRESULT. Extended error
25 information is available.

26 **Remarks**

27 None.

28 **Example**

```
29      Sub myDataServicesClear
30          'assumes myObject is a connected UTPST.Script object
```

```

1         'clear the last calls counters
2         myObject.DataServicesClear
3     End Sub

```

6.13 QUALCOMM Globalstar Fixed Satellite Phone (QGFSP)

6.13.1 NoDialedDigitsReceivedTimeout

NoDialedDigitsReceivedTimeout is a read-write property that indicates the value of the “No Dialed Digits Received” timeout.

```

9     Get: HRESULT NoDialedDigitsReceivedTimeout ([out, retval] short
10         *psTimeout)
11     Put: HRESULT NoDialedDigitsReceivedTimeout ([in] short sTimeout)

```

Parameters

sTimeout, psTimeout

The timeout value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

24     Sub myTimeout
25         'assumes myObject is a connected UTPST.Script object
26         Dim myOldTimeout
27         'get the timeout value
28         myOldTimeout = myObject.NoDialedDigitsReceivedTimeout
29         'set the timeout value to 10 seconds
30         myObject.NoDialedDigitsReceivedTimeout = 10
31     End Sub

```

6.13.2 EndOfDialingStringTimeout

NoDialedDigitsReceivedTimeout is a read-write property that indicates the value of the “End of Dialing String” timeout.

```
Get: HRESULT EndOfDialingStringTimeout ([out, retval] short
    *psTimeout)
Put: HRESULT EndOfDialingStringTimeout ([in] short sTimeout)
```

Parameters

sTimeout, psTimeout

The timeout value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myTimeout
    'assumes myObject is a connected UTPST.Script object
    Dim myOldTimeout
    'get the timeout value
    myOldTimeout = myObject.EndOfDialingStringTimeout
    'set the timeout value to 10 seconds
    myObject.EndOfDialingStringTimeout = 10
End Sub
```

6.13.3 PayPhonePBXEndCallWinkDuration

PayPhonePBXEndCallWinkDuration is a read-write property that indicates the value of the Pay Phone End Call Wink Duration.

```
Get: HRESULT PayPhonePBXEndCallWinkDuration ([out, retval] short
    *psWink)
Put: HRESULT PayPhonePBXEndCallWinkDuration ([in] short swink)
```

Parameters

sWink, psWink

The duration value. The valid range is described in the **Globalstar User Terminal Service Programming Guide**. Attempts to set the property outside of the valid range causes the property to return an HRESULT indicating an invalid argument failure.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myWinkDuration
    'assumes myObject is a connected UTPST.Script object
    Dim myOldWinkDuration
    'get the timeout value
    myOldWinkDuration = myObject.PayPhonePBXEndCallWinkDuration
    'set the timeout value to 500 milliseconds
    myObject.PayPhonePBXEndCallWinkDuration = 500
End Sub
```

6.13.4 SetToneGroup

SetToneGroup is a function that sets the QGFSP tone group. All tone selectors is set to match the requested tone group.

```
HRESULT SetToneGroup ([in] short sToneGroup)
```

Parameters

sToneGroup

The tone group requested. 0 represents Custom, which indicates that the custom descriptors is used for all tones. 1 represents United States, 2 represents Canada, 3 represents Mexico, 4 represents Brazil, 5 represents Argentina, 6 represents Anatel, and 7 represents GAC.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub myToneGroup
    'assumes myObject is a connected UTPST.Script object
    'set the tone group value to USA
    myObject.SetToneGroup(1)
End Sub
```

6.13.5 GetToneGroup

GetToneGroup is a function that retrieves the QGFSP tone group value.

```
HRESULT GetToneGroup ([out, retval] short *psToneGroup)
```

Parameters

psToneGroup

The tone group stored on the phone. -1 represents Multiple Selections, indicating that the tones queried do not match any of the standard tone groups. Other possible values are 0 representing that custom descriptors are used for all tones, 1 representing United States, 2 representing Canada, 3 representing Mexico, 4 representing Brazil, 5 representing Argentina, 6 representing Anatel, and 7 representing GAC.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

The function calculates this by looking at the tone selectors and making the closest determination possible as to which tone group is represented. As a result, this tone group may not match the tone group set by *SetToneGroup()*. 'Multiple Selections' indicates that all of the tones queried do not match any of the standard tone groups. This is most likely to occur if the current settings contain some custom entries.

Currently, the United States and Canada tone sets are identical; therefore, the United States (1) is returned even if *SetToneGroup()* was previously called with 2 for Canada. The Brazilian and Mexican tone sets are also identical; therefore, Mexico (3) is returned even if *SetToneGroup()* was previously called with 4 for Brazil. These behaviors may change in the future if and when additional tones are added such that it is possible to further

differentiate the abovementioned tone groups. Therefore any users of this function must write their scripts to deal with this possibility.

Example

```
Sub myToneGroup
    'assumes myObject is a connected UTPST.Script object
    Dim myOldToneGroup
    'get the tone group value
    myOldToneGroup = myObject.GetToneGroup
End Sub
```

6.13.6 Selector

Selector is a read-write property that references the standard selectors.

```
Get:HRESULT Selector ([in] short sID, [out,retval] short *psValue)
Set:HRESULT Selector ([in] short sID, [in] short sValue)
```

Parameters

sID

The identifier of the desired selector. 0 represents the Ring Selector, 1 represents the Dial Tone Selector, 2 represents the Busy Tone Selector, 3 represents the Reorder Tone Selector, 4 represents the Ring Back Tone Selector, 5 represents the Intercept Tone Selector, 6 represents the Abbreviated Intercept Tone Selector, 7 represents the Abbreviated Reorder Tone Selector, 8 represents the Confirm Tone Selector, 9 represents the Answer Tone Selector, 10 represents the Comfort Tone Selector, and 11 represents the MessageWaiting Dial Tone Selector.

sValue, psValue

The selector value. Possible values depend on the desired selector and are described for each selector in the **Globalstar User Terminal Service Programming Guide**.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```
Sub mySelector
```

```

1         'assumes myObject is a connected UTPST.Script object
2         Dim myOldSelector
3         'get the Ring Selector
4         myOldSelector = myObject.Selector(0)
5         'set the Ring Selector to the Brazilian value (2)
6         myObject.Selector(0) = 2
7     End Sub

```

6.13.7 CustomDescriptor

Custom Descriptor is a read-write property that references the standard selectors.

```

11     Get:HRESULT CustomDescriptor ([in] short sSelectorID, [out,retval]
12     BSTR *pbsValue)
13     Set:HRESULT CustomDescriptor ([in] short sSelectorID, [in] BSTR bsValue)

```

Parameters

sSelectorID

The identifier of the desired custom descriptor. 0 represents the Custom Ring Descriptor, 1 represents the Custom Dial Tone Descriptor, 2 represents the Custom Busy Tone Descriptor, 3 represents the Custom Reorder Tone Descriptor, 4 represents the Custom Ring Back Tone Descriptor, 5 represents the Custom Intercept Tone Descriptor, 6 represents the Custom Abbreviated Intercept Tone Descriptor, 7 represents the Custom Abbreviated Reorder Tone Descriptor, 8 represents the Custom Confirm Tone Descriptor, 9 represents the Custom Answer Tone Descriptor, 10 represents the Custom Comfort Tone Descriptor, and 11 represents the Custom Message Waiting Dial Tone Descriptor.

sValue, psValue

The descriptor value. Possible values depend on the desired custom descriptor and are described for each custom descriptor in the **Globalstar User Terminal Service Programming Guide**.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

1      Sub myCustomDescriptor
2          'assumes myObject is a connected UTPST.Script object
3          Dim myOldCustomDescriptor
4          'get the Custom Ring Descriptor
5          myOldCustomDescriptor = myObject.CustomDescriptor(0)
6          'set the Custom Ring Descriptor to a value (usually
7          'determined by Customer Support).
8          myObject.CustomDescriptor(0) =
9          "45,2000,18,4000,22,0,0,0,0,0,0,0,0,0,0,0"
10         End Sub
11

```

6.13.8 CustomDTMFDescriptor

Custom DTMFDescriptor is a read-write property that references the Custom DTMF Descriptor.

```

15     Get:HRESULT CustomDTMFDescriptor ([out,retval] BSTR *pbsValue)
16     Set:HRESULT CustomDTMFDescriptor ([in] BSTR bsValue)

```

Parameters

sValue, psValue

The Custom DTMF Descriptor value. Possible values are described in the **Globalstar User Terminal Service Programming Guide**.

Return Values

S_OK if successful, otherwise a different HRESULT. Extended error information is available.

Remarks

None.

Example

```

26      Sub myCustomDTMFDescriptor
27          'assumes myObject is a connected UTPST.Script object
28          Dim myOldCustomDTMFDescriptor
29          'get the Custom DTMF Descriptor
30          myOldCustomDTMFDescriptor = myObject.CustomDTMFDescriptor
31          'set the Custom DTMF Descriptor to a value (usually
32          'determined by Customer Support).
33          myObject.CustomDTMFDescriptor =
34          "65535,65535,65535,65535,65535,65535,65535,65535,65535,65535,65535,
35          65535,65535,65535,65535,65535,65535,65535,65535"
36          End Sub
37
38

```