

臺北捷運環狀線（第一階段）
機電系統工程、軌道工程、自動收費系統工程
TAIPEI CIRCULAR LINE (PHASE 1)
E&M SYSTEM, TRACK WORKS, AFC SYSTEM
CF610/CF611/CF617

附件十七
直線電話 Nortel. CCT SDK 文件

APPENDIX 17
DLT Nortel. CCT SDK

SYSTEM NAME	CMFT Server
NAME OF DOCUMENT	直線電話SDK說明

名詞說明:

Terminal 席位

Address 電話號碼

Contact 中介連線代碼

Class / Interface	Contains	Discription	
namespace Nortel.CCT			
public class Toolkit	public bool AutoReconnect { get; set; }	Gets or sets the current value of the automatic reconnection option in the Toolkit.	取得/設定是否自動重新連線。
	public string Server { get; set; }	Gets or sets the name (or IP address) of the Communication Control Toolkit server with which to establish a connection.	取得/設定欲連線之 CCT 伺服器的名稱(或 IP 位址)。
	public int Port { get; set; }	Gets or sets the TCP port number to use when connecting to the Communication Control Toolkit server.	取得/設定 TPC 連線的埠號。
	public string Workstation { get; set; }	Gets or sets the name of the "hot-desking" workstation to be associated with the Toolkit object.	取得/設定 hot-desking 工作站名稱。
	public bool IsConnected { get; }	Gets a boolean value that indicates whether or not there is a connection established to the Communication Control Toolkit server.	取得與 CCT 伺服器之連線狀態。

	<code>public ToolkitState State { get; }</code>	Gets the current state of the Toolkit object.	取得 Toolkit 目前的狀態。
	<code>public event SessionConnectedEventHandler SessionConnected;</code>	The SessionConnected event fires whenever an active session is established between the client and the server.	當 Client 與 Server 取得連線時所觸發的事件。
	<code>public event SessionDisconnectedEventHandler SessionDisconnected;</code>	The SessionDisconnected event fires whenever the client becomes disconnected from the server.	當 Client 與 Server 中斷連線時所觸發的事件。
	<code>public TermConnStateEventHandler CreateEventHandler(TermConnStateEventHandler clientEventHandler);</code>	Represents the method that will handle TermConnStateChanged events of the ITerminal object.	Terminal 連線狀態改變時的事件。
	<code>public ContactPropertyEventHandler CreateEventHandler(ContactPropertyEventHandler clientEventHandler);</code>	Represents the method that will handle ContactPropertyChanged events of the IAddress object.	Contact 屬性改變時的事件。
	<code>public TerminalStateEventHandler CreateEventHandler(TerminalStateEventHandler clientEventHandler);</code>	Represents the method that will handle TerminalStateChanged events of the ISession object.	Terminal 狀態改變時的事件。
	<code>public AddressStateEventHandler CreateEventHandler(AddressStateEventHandler clientEventHandler);</code>	Represents the method that will handle AddressStateChanged events of the ISession object.	Address 狀態改變時的事件。
	<code>public ConnectionStateEventHandler CreateEventHandler(ConnectionStateEventHandler clientEventHandler);</code>	Represents the method that will handle ConnectionStateChanged and RemoteConnectionStateChanged events of the IAddress object.	Address 連線狀態改變時的事件。

	<pre>public ConnectionPropertyEventHandler CreateEventHandler(ConnectionPropertyEventHandler clientEventHandler);</pre>	Represents the method that will handle ConnectionPropertyChanged events of the IAddress object.	Address 連線屬性改變時的事件。
	<pre>public ISession Connect();</pre>	Initiates a connection to the Communication Control Toolkit server using the current property settings of the Toolkit object.	與 CCT 伺服器進行連線。
	<pre>public void Disconnect();</pre>	Disconnects the client from the server.	與 CCT 伺服器中斷連線。
public class CCTCredentials	<pre>public string Domain { get; }</pre>	The Domain property retrieves the name of the Windows domain encapsulated by the object.	Windows 設定之 Domain 名稱
	<pre>public string UserID { get; }</pre>	The UserID property retrieves the name of the user encapsulated by the object.	登入使用者 ID。
	<pre>public string Password { get; set; }</pre>	The Password property retrieves or sets the user's password that is encapsulated by the object.	登入使用者密碼。
public interface ISession	<pre>Version ClientAPIVersion { get; }</pre>	Get the version of the Communication Control Toolkit API that is running on the client.	Client 端所使用的 API 版本號。
	<pre>IAgent[] Agents { get; }</pre>	Gets an array of all Contact Center agents that the session has access to.	此 Session 目前有連線且有在操作中的席位清單。
	<pre>ITerminal[] Terminals { get; }</pre>	Gets an array of all terminals to which the session has access.	此 Session 目前有連線的 Terminal 清單。

	IAddress[] Addresses { get; }	Gets an array of all addresses that the session has access to.	此 Session 目前有連線的 Address 清單。
	void AcquireResources();	The AcquireResources method is called by an application when it has completed the manual selection of resources to be acquired in the session. This is only required when the client application has indicated that it wishes to manually select the resources it wants to use by creating the session with the manual acquisition option (see ManualAcquisition.)	向 CCT 伺服器要求取得目前所有的連線狀態資料。
	event TermConnStateEventHandler TermConnStateChanged;	The TermConnStateChanged event is a session-global event that fires whenever any terminal connection that is associated with one of the session's terminals changes state. The argument delivered to the event handler will indicate which terminal connection has changed state and will provide the new state and a reason code for the state change.	當此 Session 中的 Terminal 第一次建立連線時所觸發的事件。傳遞參數為該 Terminal 之新狀態及說明代碼。

	<pre>event ContactPropertyEventHandler ContactPropertyChanged;</pre>	<p>The ContactPropertyChanged event is a session-global event that fires whenever a property change occurs on any contact related to one of the session's addresses. The argument delivered to the event handler will identify the contact and which property has changed.</p>	<p>當與此 Session 中的任一 Address 相關聯之 Contact 屬性有變更時所觸發的事件。傳遞參數為該 Contact 的新屬性。</p>
	<pre>event TerminalStateEventHandler TerminalStateChanged;</pre>	<p>The TerminalStateChanged event fires when a new terminal becomes available to the session or an existing terminal changes state. The argument delivered to the event handler will identify the terminal and the new terminal state.</p>	<p>當此 Session 中的 Terminal 狀態有變更時的事件。傳遞參數為該 Terminal 的新狀態。</p>
	<pre>event AddressStateEventHandler AddressStateChanged;</pre>	<p>The AddressStateChanged event fires when a new address becomes available to the session or an existing address changes state. The argument delivered to the event handler will identify the address and the new address state.</p>	<p>當此 Session 中有新的 Address 加入或既有 Address 狀態有變更時的事件。傳遞參數為該 Address 的新狀態。</p>

	<pre>event ConnectionStateEventHandler ConnectionStateChanged;</pre>	<p>The ConnectionStateChanged event is a session-global event that fires whenever any connection that is directly associated with one of the session's addresses changes state. The argument delivered to the event handler will indicate which connection has changed state and will provide the new state and a reason code for the state change.</p>	<p>當此 Session 中的任一 Address 連線狀態有變更時所觸發的事件。傳遞參數為該 Address 的新狀態與說明代碼。</p>
	<pre>event ConnectionStateEventHandler RemoteConnectionStateChanged;</pre>	<p>The RemoteConnectionStateChanged event is a session-global event that fires whenever any connection that is indirectly associated with one of the session's addresses (a remote connection) changes state. Remote connections are connections that are associated with this address through an active contact that has a direct connection to this address. The argument delivered to the event handler will indicate which connection has changed state and will provide the new state and a reason code for the state change.</p>	<p>當此 Session 中的任一 Address 連線（遠端 Address 連線）狀態有變更時所觸發的事件。遠端 Address 連線係指，在相連 Contact 建立的通道上，與自身相對之另一個 Address(通常指正與自己通話之對方電話號碼)。傳遞參數為遠端 Address 的新狀態與原因代碼。</p>

public interface ITerminal	string Name { get; }	The name of the terminal (determined by the terminal object).	Terminal 名稱。
	IAddress[] RelatedAddresses { get; }	Returns an array of Address objects that are related to this terminal via terminal-address mappings.	CCT 伺服器設定中與 Terminal 相 關聯的 Address 清單。
	ITerminalConnection[] TerminalConnections { get; }	An array of the terminal connections currently connected to this terminal.	此 Terminal 目前的 Terminal 連線 清單。
	ResourceState State { get; }	The current state of the terminal.	Terminal 的目前狀態。
public interface ITerminalConnection	string ContactType { get; }	Returns the terminal connection's ContactType (e.g. Voice, E-mail etc.)	此 Terminal 連線的 Contact 種類 (如：語音通話、E-Mail 等)。
	IConnection Connection { get; }	The connection object with which this terminal connection is associated.	此 Terminal 連線目前的連線資訊。
	IContact Contact { get; }	The Contact object with which this terminal connection is associated (through the connection object).	此 Terminal 連線目前的連接 Contact 資訊。
	ITerminal Terminal { get; }	The terminal to which the connection is related.	此 Terminal 連線的 Terminal 資訊。
	TerminalConnectionState CurrentState { get; }	The current state of this terminal connection.	此 Terminal 連線的 Terminal 目前 狀態。
	Reason StateReason { get; }	The reason the terminal connection is in the current state.	此 Terminal 連線目前的狀態說明。

public interface IAddress	string Name { get; }	The name of the address. This is set by the service provider / switch that manages this address (for example, the phone number that this address represents).	Address 的名稱。此名稱從伺服器端設定（例：電話號碼）。
	IConnection[] Connections { get; }	An array of the connections that are currently connected to this address.	此 Address 目前的連線清單。
	ITerminal[] RelatedTerminals { get; }	Returns an array of terminal objects that are related to this address via terminal-address mappings (for example, the set of endpoints configured for this address).	此 Address 相關的 Terminal 清單，此清單從伺服器端設定。
	IAddressCapabilities GetCapabilities();	Returns an object that contains a snapshot of the current dynamic capabilities of this address.	此 Address 所執行過的功能內容。
	ResourceState State { get; }	The current state of the address.	此 Address 的目前狀態。
	event ConnectionPropertyEventHandler ConnectionPropertyChanged;	The ConnectionPropertyChanged event fires when one of the properties of a connection that is related to this address has changed. The argument delivered to the event handler will identify which property has changed.	與此 Address 相關的連線屬性改變時所觸發之事件。傳遞參數為新的連線屬性。

public interface IRoutePointAddress : IAddress	The IRoutePointAddress interface extends the IAddress interface to define a special address type that is used for routing contacts. For example, a control DN (CDN) is a RoutePointAddress.	IAddress 介面的延伸，定義用於 Contact 的特殊 Address 類型。 (例：CDN)
public interface IAgent : IUser	The IAgent interface identifies a person configured to accept and/or originate contacts in a Contact Center environment.	定義席位。