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|----------|---|--|
| Document | : | FlexCopInterface   |
| Author   | : | M. Majoor  |
| Subject  | : | DLL for FLEXCOP based budget cards for creating/closing a handle to the driver |

| Revision/Date | Author   | Description   |
|---------------|----------|---------------|
| 20050413      | M.Majoor | Initial draft |

FlexCopInterface.dll is a dynamic link library which can be used by application programmers acquire/release a handle to the FLEXCOP driver for FLEXCOP based budget cards.

Since the full source code is included with the dll, programmers should be able to retrieve all relevant information from that. For those which just want to use the dll, without browsing through source code, this document gives the basic information on how to use it.

Basic information:

- All function/procedures in the dll should be accessed using the **stdcall** calling convention.
- When accessing the dll functions by name, be aware that these names are case sensitive!
- All pointer types require that the caller has allocated the necessary memory for the result to be returned.

| FLEXCOPGETNUMBEROFCARDS (index 1, name 'FlexCopGetNumberOfCards') |         |   |
|---|---------|---|
| function FlexCopGetNumberOfCards                                  |         |   |
| IN  | -       |   |
| OUT   | INTEGER | Returns the number of FLEXCOP cards in the system |

| FLEXCOCREATEFILE (index 2, name 'FlexCopCreateFile')  |                   |   |
|---|-------------------|---|
| function FlexCopCreateFile(Card)  |                   |   |
| Note: Any acquired handle with this function should be balanced with a FlexCopCloseHandle call. |                   |   |
| IN  | INTEGER      Card | Card number (zero indexed) to acquire handle for.<br><br>When using a number <0 then the first available card (for which no handle has yet been acquired) will be returned. |
| OUT   | THANDLE           | Acquired handle to driver for indicated card<br><br>INVALID_HANDLE_VALUE if no handle acquired  |

| FLEXCOCLOSEHANDLE (index 3, name 'FlexCopCloseHandle')   |                     |  |
|--|---------------------|--|
| procedure FlexCopCloseHandle(Handle)   |                     |  |
| Note: Any acquired handle with the FlexCopCreateFile function should be balanced with this call. |                     |  |
| IN   | THANDLE      Handle | Windows handle previously acquired with the FlexCopCreateFile function |

| FLEXCOGETDRIVERVERSION (index 4, name 'FlexCopGetDriverVersion')                        |                         |   |
|---|-------------------------|---|
| function FlexCopGetDriverVersion(Handle, MajorVersion, MinorVersion, Build, DeviceName) |                         |   |
| IN  | THANDLE      Handle     | Windows handle previously acquired with the FlexCopCreateFile function          |
| OUT   | BOOLEAN                 | TRUE if valid results   |
|   | PWORD      MajorVersion | Major version (X.y)   |
|   | PWORD      MinorVersion | Minor version number (x.Y)  |
|   | PDWORD      Build       | Build number, typically displayed as hexadecimal number which shows as YYYYMMDD |
|   | PCHAR      DeviceName   | Device name   |

| FLEXCOGETCARDOFHANDLE (index 5, name 'FlexCopGetCardOfHandle') |         |        |  |
|--|---------|--------|--|
| function FlexCopGetCardOfHandle(Handle)                        |         |        |  |
| IN   | THANDLE | Handle | Windows handle previously acquired with the FlexCopCreateFile function |
| OUT  | INTEGER |        | Card number associated with handle (<0 if no card associated)          |

| FLEXCOGETHANDLEOFCARD (index 6, name 'FlexCopGetHandleOfCard') |         |      |   |
|--|---------|------|---|
| function FlexCopGetHandleOfCard(Card)                          |         |      |   |
| IN   | INTEGER | Card | Card to get already acquired handle for   |
| OUT  | THANDLE |      | Windows handle associated with card<br>INVALID_HANDLE_VALUE if the card has no associated handle. |