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## **Command File Processor**

### General Overview

The Command File Processor (CFP), allows any user with access to the DataBridge to submit commands using two different methods into a pre-defined polling directory.

#### Method 1

Using a pre-determined polling frequency, the DataBridge will poll for files with a .CMD extension and act upon the commands contained therein. The CFP will react differently depending on the type of command that was processed. If the command requires a response e.g. a request for data, then the response will be deposited into the polling directory in the form of a file using a pre-defined file naming convention. The polling directory and polling frequencies are configurable.

#### Method 2

Using the facilities within the DataBridge File menu

### New Features

- New facility to handle chains
- RIC input via lists together with Auto replace of RIC display name
- Additional commands for global RIC and FID replacement
- SNAP mode command

and more....



## Control File Commands

Definition of a DataBridge Control File.

Note: The format of any command is:

Command Name ( Parameters List )

- Maximum input line length is 256 characters.
- A command is normally one per line, however, if the last character on a line is a '>' the next line is appended. Leading spaces in continuation lines are significant in 'broken' Text strings.
- Any characters after the trailing closing ')' are ignored.
- Lines starting with " are treated as comment lines and are ignored.
- Lines ending with a ", the text from the previous " is discarded: this enables a comment after the continuation '>' character. If no previous ", this entire input line is discarded.
- Leading blanks on a line are ignored.

### Command Functions:

*Add* ( Msg Number, Msg Name, Group, Msg Prefix, Build Freq., Force Freq., Pause Time )

Add a new message with the parameters.

Notes:

If the Msg Number already exists, ignore action.  
The message will NOT be active.  
The contents will be set to Text Spaces.  
Group – Ignore (0)  
Msg Prefix - Ignore  
Build Freq: Hh:Mm:Ss  
Force Freq.:Hh:Mm  
Pause time: Mm:Ss

Example:

Add ( 100, "This is a Test", 0, "", 05:00:00, 05:30, 12:15 )

*Copy* ( Msg Number (from), Msg Number (to) )

Copy message from source message number to target message, including all properties. The source MUST exist.  
If target exists...overwrite.

Example



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Copy ( 100, 200 ) ; copies #100 to #200.

*CopySetName* ( MsgId (from), MsgId (to), Message Name )

Copy and set the new message name from source message to target message with all properties, but overwriting the message name.

The source message MUST exist.

If target exists...overwrite

Example

CopySetName ( 100, 200, "Copy Message Name" )

*Delete* ( Msg Number )

Delete the message

Example

Delete ( 100 ) ; delete message #100

*DeleteRange* ( Msg Number(From), Msg Number (To) )

Delete the given inclusive range of messages

Example:

DeleteRange ( 100, 200 )

*Msg\_Add* ( Msg Number, Msg Name )

Add new, empty message

Example:

MsgAdd ( 100, "Message Name" )

*Msg\_Delete* (Msg Number)

Delete the Message indexed by Msg Numnber.

Message MUST exist.

Example:

Msg\_Delete (100)

*Msg\_SendFreq* ( Msg Number , Send Frequency, TRUE/FALSE )

Set the Force Send Frequency of the Message to the time indicated.

FALSE as the third parameter will also set the Arming Frequency to the same time value as the Force Send Frequency. TRUE will set the Arming Frequency to 00:00:00.

Example:

Msg\_SendFreq ( 100,00:05:00, FALSE )

*Msg\_SendonPeriod* ( Msg Number , TRUE/FALSE )

Set the Time Period Synchronization for the indicated Message Number.

TRUE will set the Time Period Synchronization flag

FLASE will disable the Time Period Synchronization flag



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Example:

Msg\_SendFreq ( 100, TRUE )

*Msg\_SetTgtFile* ( Msg Number, FileName, TRUE/FALSE )

Set the Message destination to FILE –ON and the Target Path ( and File Name) to the desired name (FileName).

TRUE as the third parameter will set the Record Message to File to Append,

FALSE will set it to Replace

Example:

Msg\_SetTgtFile ( 100, "C:\ROOT\DATA", TRUE)

*Msg\_SetDataSource* (Msg Number, MsgPos , DspWid , DtaSrc, RicNme, FldName,

FldId, Filter, FiltLen, Sign, Align, FldSttPos, FldLen )

This command is used to set the data source (Reuters instrument and Field type within the Message.

- = Message number to change                      Msg Number
- = position within the Message                      MsgPos
- = display width for the field                      DspWid
- = data source E.g. 'A' for Reuters SSL                      DtaSrc
- = RIC name to be used E.g. DEM=                      RicNme
- = field name (FID) E.g. BID                      FldName
- = corresponding Field ID to the field name E.g. 22                      FldId
- = filter type                      Filter
- 0 = No Filter
- 1 = NUM1000
- = filter length                      FiltLen
- = sign of the field (0= AS IS, 1=MINUS ONLY, 2=                      Sign  
BOTH)
- = alignment of the data within the field (LEFT,RIGHT)                      Align
- = field start position                      FldSttPos
- = field length                      FldLen

*Msgs\_SendFreq* ( Msg Number (first), Msg Number (last), Send Frequency, TRUE/FALSE )

Set the Force Send Frequency for the range of Messages to the time indicated. FALSE as the third parameter will also set the Arming Frequency to the same time value as the Force Send Frequency. TRUE will set the Arming Frequency to 00:00:00.

Example:

Msgs\_SendFreq ( 100, 200, 00:05:00, FALSE )



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*Msgs\_SendonPeriod* (Msg Number (first), Msg Number (last) , TRUE/FALSE )  
Set the Time Period Synchronization for the range of Message Numbers.  
TRUE will set the Time Period Synchronization flag  
FLASE will disable the Time Period Synchronization flag

Example:

Msgs\_SendFreq ( 100, 200, TRUE )

*Msgs\_SetActX* ( Msg Number (first), Msg Number (last), TRUE/FALSE)  
Set the ActiveX flag for the range of Messages to TRUE or FALSE.

Example:

Msgs\_ActiveX (100, 200, TRUE)

*Msgs\_SetActXDestination* ( Msg Number (first), Msg Number (last), ActiveX  
Application, ActiveX Item)

Set the ActiveX destination for the range of Messages.

Example:

Msgs\_ActiveX (100, 200, "App\_1", "Item\_1")

*Msgs\_SetTgtFile* (Msg Number (first), Msg Number (last), FileName,  
TRUE/FALSE )

Set the Message destination for the range of Messages to FILE –ON and  
the Target Path ( and File Name) to the desired name (FileName).TRUE as the third parameter will set the Record Message to File to  
Append,

FALSE will set it to Replace

Example:

Msgs\_SetTgtFile ( 100, 200, "C:\ROOT\DATA", TRUE)

*ReplaceAllRics* ( Msg Number, RIC Name )

Replace all RIC references in the message with new RIC name

Example:

ReplaceAllRics ( 100, GBP= )

*ReplaceRicAtPos* ( Msg Number, position, RIC Name )

Replace RIC reference in the message at position with new RIC name

Example:

ReplaceRicAtPos ( 100, 12, GBP= )

*ReplaceRics* ( Msg Number, Old RIC Name, New RIC Name )

Replace all Old RIC reference in the message with new RIC name

Example:

ReplaceRics ( 100, DEM=, GBP= )



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*ReplacePartRicText* ( Msg Number, Old Text, New Text )

Replace all occurrences of Old Text in the message with new Text (including RIC names).

Example:

ReplacePartRicText ( 100, DEM, GBP )

*ReplaceRangePartRicText* ( Msg Number (first), Msg Number (last), Old Text, New Text )

Replace all occurrences of Old Text in the message with new Text (including RIC names).

Example:

ReplaceRangePartRicText ( 100, 200, DEM, GBP )

*SendNow* (Msg Number)

Force send the Message.

Example:

SendNow (100)

*SendRangeNow* (Msg Number (first), Msg Number (last))

Force send all the Messages with the range.

Example:

SendNow (100, 200)

*SetLogSendMsg* (Msg Number, TRUE/FALSE)

Set the flag to log outgoing Messages to the log file.

Example:

SetLogSendMsg ( 100, TRUE)

*SetMessageName* ( Msg Number, Message Name )

Set the message name in the message identified by the message number

Example

SetMessageName ( 120, "New Message Name" )

*SetActive* ( Msg Number, Active )

Set the message Active condition to YES or NO

Example

SetActive ( 100, Yes )

*SetActiveRange* ( Msg Number (Start), Msg Number (End), Active )



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Set the inclusive range of messages to the given Active condition

Example

```
SetActiveRange ( 100, 200, No )
```

*SetLinkMsgNumber* ( Msg Number (from), Msg Number (link) )

Link the "From" message number to the "Link" Message number.

The "From" message number must exist.

The "Link" message number does not have to exist (on executing this command).

The implication of linking is that whenever the "From" link message number fires, an attempt is made to fire the "Linked" message number (it exists).

Example

```
SetLinkMsgNumber ( 100, 200 )
```

*SetAppendMsgNumber* ( Msg Number (from), Msg Number (append) )

On building "From" message number, the "Append" message is appended.

The "From" message number must exist.

The "Append" message number does not have to exist (on executing this command).

Example

```
SetAppendMsgNumber ( 100, 200 )
```

*SetSendFreq* ( Msg Number, Send Freq. )

Set the message Arming frequency: Hh:Mm:Ss

The frequency that the Active message starts to check build and send-on-change

Example

```
SetSendFreq ( 100, 05:00:30 )
```

*SetForceSend* ( Msg Number, Force Send )

Set the message force send frequency: Hh:Mm

The frequency that the Active message will be built and sent.

Example

```
SetForceSend ( 100, 05:50 )
```

*SetPauseTime* ( Msg Number, Pause Time )

Set the message Pause-after-build-and-change time: Mm:Ss

Example

```
SetPauseTime ( 100, 05:50 )
```

*SetLogPageLine* ( Msg Number, Yes/No)

Set the message lon-on-send flag: YES or NO

Example



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SetLogPageLine ( 100, No )

SnapRicFid (RIC Name, Field Id )

Snap the RIC/Field Id. from the Reuters Data Source & return the result in the response file in the form:

Response to Snap RIC <RicNme> FID <FidNme>(<Fid>) @ Yy/Mm/Dd-Hh:Mm:Ss. Entered @ Yy/Mm/Dd-Hh:Mm:Ss <RicNme>, <FID>, <Data>

The response file will appear in the same directory as the polling and with the same name but with the extension .RSP

Example

SnapRicFid ( DEM=, 25 )

*ExitProgram* ( Code )

This command will cause the DataBridge software to stop running and unload

the software. The Code parameter is used to ensure that accidental closure of the software does not happen. The Code is the digits of the day of the current date. E.g. If the current date is 17 July (17/07), then the code for that day would be 17.

Example:

ExitProgram ( 17 )