Closing Files on the WinMax Control using WCF

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Record of Changes

Rev.	Revision Description	Rev By	Date
1	Original Document Creation	Jesse Satterwhite	2020.2.5

Introduction

This document covers the process for remotely closing part programs and other proprietary files on the WinMax control from a connected application using WCF. The document refers to the software provided in the sample integration package and requires an established connection following the procedure outlined in the document **Connecting to the WinMax Control using a VendorID and WCF.docx**. This connection is only available on Mill machines running v10.02.130 or higher control software and on Lathe machines running v11.01.311 or higher control software.

Remote Command Request API

The remote file closing process uses a generic remote command request API that sends a command index to the WinMax control (203 for the close command) with an array of 5 string arguments and 10 double arguments.

```
SetBulkParams rcr = new SetBulkParams();
rcr.SID="SID_WINMAX_BULK_RCRID";
DataService.BulkRemoteCommandDataTypeBox rcrdatabox = new DataService.BulkRemoteCommandDataTypeBox();
DataService.UnmanagedDataTypesRemoteCommandInfoType rcrdata = new DataService.UnmanagedDataTypesRemoteCommandInfoType();
rcrdata.dwCmdId =203; // CLOSE PROGRAM
rcrdata.sValue = new byte[200*5];
rcrdata.dValue = new double[10];
```

Closing Part Programs

- The file can have any extension that is not reserved for another known file type used by the WinMax system. As long as the WinMax has loaded a program and that program can be found in the program manager, it can be closed with the remote close command.

- 1st string argument (rcrData.sValue[0]) – Full file path and name in the form of an ASCII string that is fewer than 200 characters. The other string arguments are unused.

```
byte[] pathdata = Encoding.ASCII.GetBytes(Program.Text);
Array.Copy(pathdata, 0, rcrdata.sValue, 0, Math.Min(200, pathdata.Length));
```

- All other string arguments are reserved for potential future use.

- All double arguments are reserved for potential future use. Default values of 0 are recommended to avoid unexpected changes in behavior in the event of future WinMax software upgrades.