**Retrieving Loaded File Paths on the WinMax Control using WCF**

Hurco Companies, Inc.

**Record of Changes**

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| Rev. | Revision Description | Rev By | Date |
| 1 | Original Release | Jesse Satterwhite | 2019.12.3 |
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**Introduction**

This document covers the process for remotely retrieving the names and paths of all currently loaded 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 command is only available on Mill machines running v10.02.131 or higher control software and on Lathe machines running v11.01.311 or higher control software.

**Getting Part Program Paths**

Once a connection has been established via the procedure outlined in **Connecting to the WinMax Control using a VendorID and WCF.docx**, the application in question will have access to a **RestClient** object. This object hosts the connection to the WinMax control. Using this object (referred to as “Client” in the following code example), we are able to request a bulk of data from the WinMax control. In order to get the paths and names of currently loaded part programs and other files, we need to request the “SID\_UI\_BULK\_LOADED\_PROGRAMS” bulk from the RestClient and WinMax. Completing this request will return a “BulkLoadedProgramsBox” which contains the information needed.

The information can be requested as follows:

Once the BulkLoadedProgramsBox object is received from the RestClient object, the program path data can be accessed from it. The box contains the part program paths as a list of strings. These can be retrieved from the box using the following code:

The list object is now populated with the paths retrieved from the WinMax Control. They can be retrieved from the list object using normal methods for iterating a list in C#.

**Limitations of the BulkLoadedPrograms Data**

When retrieving the information from this bulk, two limitations should be kept in mind:

* A maximum of 16 part programs can be retrieved at a time; currently loaded programs will need to be closed prior to viewing any additional loaded programs.
* Program paths with file names are capped to 200 characters. If a program path and file name exceed this length, they are truncated.