

Table 1. Wire Encoding of IJS Commands

IJS_LIST_PARAMS
IJS_QUERY_PARAM
IJS_SET_PARAM
IJS_GET_PARAM
IJS_QUERY_STATUS

2.1. IJS_CMD_ACK

This command is sent from server to the client in response to a command from the client, to indicate successful completion. There are no arguments specific to this command. However, for commands (18(s)-1se250(ar)sTJ 0 -12.952 1d[(IJS)-M

2.18. IJS_CMD_EXIT

This command signals the end of the IJS connection. In the typical case of a server with a single client, the server process terminates upon receipt of this command.

The connection must be in a closed state at the time of this command.

* *Need to look into race condition.*

3. Parameters

IJS defines a small set of standard parameters, which all clients and servers are expected to understand.

Individual implementations may extend this standard set with additional parameters specific to the device or

In the case where the server is able to identify the device, for example by retrieving the IEEE 1284 Device ID string, or through the GET_DEVICE_ID request of the USB Printer Class[USBPrint], getting the value of the

4.7. Width

This parameter is the decimal encoded width of the raster image, in pixels. It **MUST** be set when PageImageFormat is Raster.

4.8. Height

This parameter is the decimal encoded height of the raster image, in pixels. It **MUST** be set for raster images.

4.9. BitsPerSample

This parameter is the decimal encoded bit depth of samples for pixel values. It **MUST** be set for raster images. Valid values include 1-7 (implying client-side dithering of image pixels), 8, and 16 (both implying server-side dithering if needed by the device). In general, the total number of bits per pixel is equal to BitsPerSample times NumChan.

In many cases, querying this parameter will be useful. A “dumb” server may choose not to implement color transform and dithering, leaving these to the client. In this case, the result of the query operation will be a list of bit depths actually supported by the device. Simple devices may report "1", while devices capable of both bilevel and 4-level variable dots may report "1,2".

Note that not all combinations of BitsPerSample and ColorSpace are valid. In particular, BitsPerSample less than 8 in combination with a ColorSpace of sRGB or any other colorimetric color space are not valid. Also for

5.1. Quality:

