NAME

PEXStartOCs - Start Encoded Output Commands

SYNTAX

Status PEXStartOCs(Display **display*, XID *resource_id*, PEXOCRequestType *req_type*, int *float_format*, int *oc_count*, int *word_count*)

PARAMETERS

display A pointer to a display structure returned by a successful **XOpenDisplay** call.

resource_id The resource identifier of the renderer or structure.

req_type The request type for the output command (**PEXOCRender, PEXOCStore, PEXOCRenderSingle** or **PEXOCStoreSingle**).

float_format The floating point format of the output command data (**PEXIEEE_754_32, PEXDEC_F_Floating, PEXIEEE_754_64, PEXDEC_D_Floating**).

oc_count The number of output commands to be sent.

word_count The number of four-byte words of data for the total size of the output commands.

RETURNS

Zero is unsuccessful, non-zero otherwise.

DESCRIPTION

This function locks the display. Only **PEXCopyBytesToOC** or **PEXGetOCAddr** may be called between pairs of **PEXStartOCs** and **PEXFinishOCs.** Do not call anything else that may lock the display as this will result in deadlock.

The first output command is guaranteed to start on a four-byte boundary. Output command data may be copied into the transport buffer by calling **PEXCopyBytesToOC.** Output command data may be written directly by the application by calling **PEXGetOCAddr** to get a pointer to memory in the transport buffer.

PEXFinishOCs must be called after all the data has been specified.

The application is responsible for writing valid protocol and the correct numberof words requested.

If the requested number of words is too large for the display connection (each server has a maximum request size), the function will return unsuccessfully. If this occurs, and the number of output commands was greater than one, the application should try specifying the data for a single output command at a time. If the size of a single output command is too large for the display connection, the function will return unsuccessfully.

ERRORS

BadPEXFloatingPointFormat
The specified floating point format is invalid or unsupported.

BadPEXOutputCommand
The output command contains an invalid value.

BadPEXRenderer
The specified renderer resource identifier is invalid.

BadPEXStructure
The specified structure resource identifier is invalid.

SEE ALSO

PEXFinishOCs(3)
PEXCopyBytesToOC(3)
PEXGetOCAddr(3)