[MS-FSA]: File System Algorithms

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Errata below are for Protocol Document Version V32.0 – 2021/04/07.

Errata Published*	Description
2021/05/03	In Section 2.1.5.9.19, FSCTL_MARK_HANDLE, updated the processing rules for when to return STATUS_INVALID_PARAMETER or STATUS_RESIDENT_FILE_NOT_SUPPORTED. Changed from: Upon completion, the object store MUST return: ● Status: An NTSTATUS code that specifies the result. Support for this operation is optional. If the object store does not implement this functionality, the operation MUST be failed with STATUS_INVALID_DEVICE_REQUEST. <94> Pseudocode for the operation is as follows: ● If InputBufferSize is less than the size of the MARK_HANDLE_INFO structure, the operation MUST be failed with STATUS_BUFFER_TOO_SMALL. ● If Open.Stream.StreamType == DirectoryStream, the operation MUST be failed with STATUS_DIRECTORY_NOT_SUPPORTED. ● STATUS_INVALID_PARAMETER is returned if: ... Changed to: Upon completion, the object store MUST return: ● Status: An NTSTATUS code that specifies the result. Support for this operation is optional. If the object store does not implement this functionality, the operation MUST be failed with STATUS_INVALID_DEVICE_REQUEST. If the object store supports FSCTL_MARK_HANDLE but does not support MARK_HANDLE_READ_COPY or MARK_HANDLE_NOT_READY_COPYT, then STATUS_INVALID_PARAMETER MUST be returned. <94> Pseudocode for the operation is as follows:

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	● If InputBufferSize is less than the size of the MARK_HANDLE_INFO structure, the operation MUST be failed with STATUS_BUFFER_TOO_SMALL. ● If Open.Stream.StreamType == DirectoryStream, the operation MUST be failed with STATUS_DIRECTORY_NOT_SUPPORTED.<95> ● If a file is resident the operation MUST be failed with STATUS_RESIDENT_FILE_NOT_SUPPORTED.<96> ● STATUS_INVALID_PARAMETER is returned if: … <95> Section 2.1.5.9.20: The ReFS file system returns STATUS_INVALID_PARAMETER for directory files. <96> Section 2.1.5.9.19: Only the NTFS file system supports the concept of resident files, and it is an implementation-specific concept to a given file system.

*Date format: YYYY/MM/DD