DLT™ OEM/OML/OMX FIRMWARE PERSONALITIES

This application note is to be used only as a guideline for the titled subject. The user assumes all responsibility for understanding the interrelationships of this information with other affected software or system products. Quantum Corporation provides this information as a service only, and assumes no responsibility for any damages, which could result from the use of this information.

The information in this application note is subject to change without notice and is not to be construed as a commitment by Quantum Corporation. Quantum Corporation assumes no responsibility for any errors that may appear in this document.

NOTE: The information in this document pertains to DLTTM2000, DLTTM2000XT, DLTTM4000 or DLTTM7000 tape unit or DLTTM2500, DLTTM2500XT, DLTTM2700, DLTTM2700XT, DLTTM4500 or DLTTM4700 tape mini-library.

This application note is a brief description of the various personalities of the DLT OEM/OML firmware and their intended applications. The firmware personality and the sub-personality are returned in vendor unique inquiry bytes 41 and 42 on SCSI inquiry commands. The OEM firmware personality is represented by a value of 04h. The OML firmware personality is represented by a value of 0Fh and the OMX firmware personality is represented by a value of 12h.

In general for OEM choices, OEM-1 is the recommended personality for DLT tape drives. Refer to the description below for more information.

Personality Type	Sub-Personality	y Description
OEM	1	This personality is an OEM-based ANSI SCSI-2 variation. It is the standard personality shipped with the drive. This code is used for DLT tape unit installations on most platforms.
OEM	2	This personality is an OEM-based ANSI SCSI-1 variation and is used only for those applications that require SCSI-1 features. Only available for DLT2000, DLT2000XT, and DLT4000.
OEM	3	This personality is an emulation of the IBM 7208, Model 2 and is used only for DLT tape unit installation on an AS/400. This personality is not available for DLT7000. Only available for DLT2000, DLT2000XT, and DLT4000.
OEM	8	This personality is the standard SCSI-2 implementation with one-way communication protocol over RS422 port. Only by the library OEM customers use this code. The SCSI implementation is identical to OEM-1.
OEM	9	This personality allows DLT emulation of SCSI-2, 8mm tape drive (EXB-8505) when attached to HP9000/800 systems. HP's fbackup and frecover are not supported with this code. Although provided for backward compatibility, OEM-1 is recommended over this code. Only available for DLT2000, DLT2000XT, and DLT4000.
OEM	10	This personality allows DLT emulation of HP 7980S when attached to HP9000/800 systems. Earlier code revisions emulate HP35450A. Although provided for backward compatibility, OEM-1 is recommended over this code. Only available for DLT2000, DLT2000XT, and DLT4000.

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Personality Type	Sub-Personality	y Description
OEM	11	This personality allows DLT emulation of SCSI-1, 8mm tape drive (EXB-8200). This code is designed for those platforms whose DLT device drivers are not available or the system kernel cannot be reconfigured to recognize DLT devices.
OML	1	This personality is the standard SCSI-2 implementation with two-way communication protocol over RS422 port. Only by the library OEM customers use this code. The SCSI implementation is identical to OEM-1.
OML	3	This personality is identical to OML-1 except that it has NoRdyUAonUnld set to TRUE.
OMX	1	This personality is identical to OML-1 except for the addition of a 3 second unload delay.
OMX	2	This personality provides support for DLTstorTM 114 Loaders.