

Report	Status:	Version:	Date
WP 2	Final	1.0	2000-09-30
Requirements and structure for Storage			Page 1
WP2-App9-3			

Appendix 9-3: Calculated mean search time for each media type.

Type of media	Storage capacity per unit	Assembly time Mean	Search time Mean	Read speed
EMASS DLT 7000	35 GB	60 seconds	55 seconds	5 MB per sec
EMASS MO	4.1 GB	12 seconds	1 second	1.2 MB per sec
HP MO	1.3 GB	12 seconds	1 second	1.2 MB per sec
Hard disk	(2* 127 GB)	----	1-2 seconds	100 MB per sec

Average positioning time to data for DLT ca. 2 min and for MO 13 seconds.

Test with transferring of 25-Mb data:

Type of media	Assembly	Writing	Reading
EMASS DLT 7000	60 seconds	33 seconds	18 seconds
EMASS/HP MO	12 seconds	26 seconds	8 seconds

The efficient write speed for DLT seems to be much better when writing large data volumes.