

DoD Specifications and Guidance For Sanitizing High Capicity Storage Media

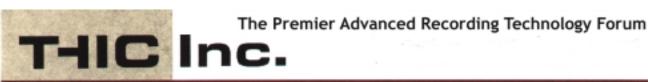
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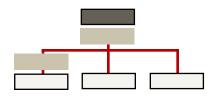
Presented at the THIC Meeting at the Double Tree Hotel Falls Church, VA 22043 on October 12, 1999



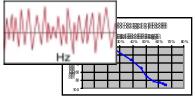












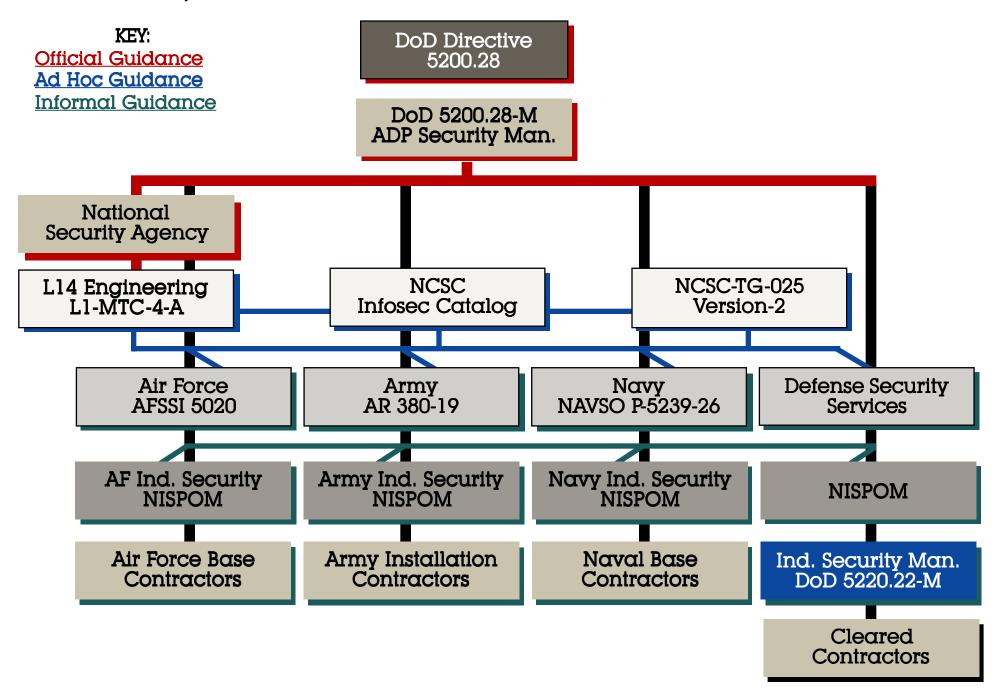




- Regulatory Environment
- Information Storage Specifications
- ◆ NSA L1-MTC-4A Testing Procedures
- CMRR Testing Procedures
- Technology Advancements & Solutions
 - *Non-Effective Solutions
 - *Effective Solutions
- Emerging Markets & Concerns
- Results



Regulatory Environment Flowchart





Information Storage Specifications

Oersted (Oe): A unit of magnetic field strength

Coercivity: The amount of applied magnetic field required

to reduce magnetic induction to zero

TYPE I (350 Oe)



TYPE II (750 Oe)



EXTENDED RANGE (1000 Oe)



TYPE III (1700 Oe)



HARD DISKS (special purpose)



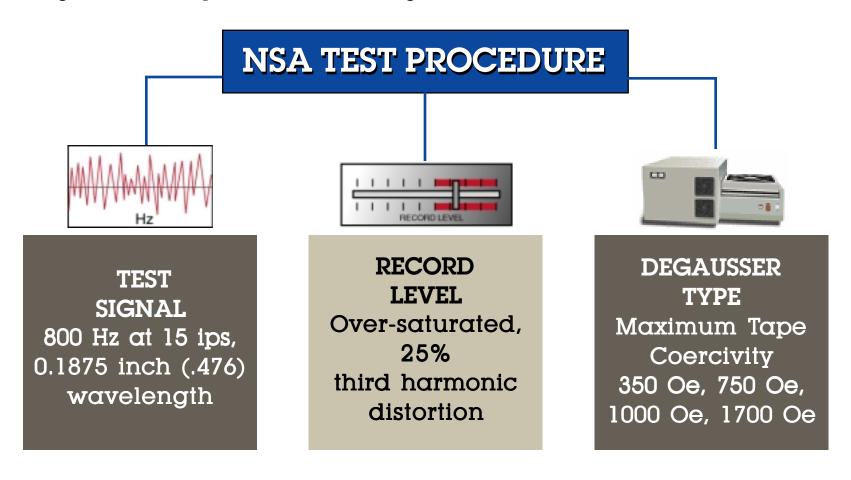
OPTICAL DISKS





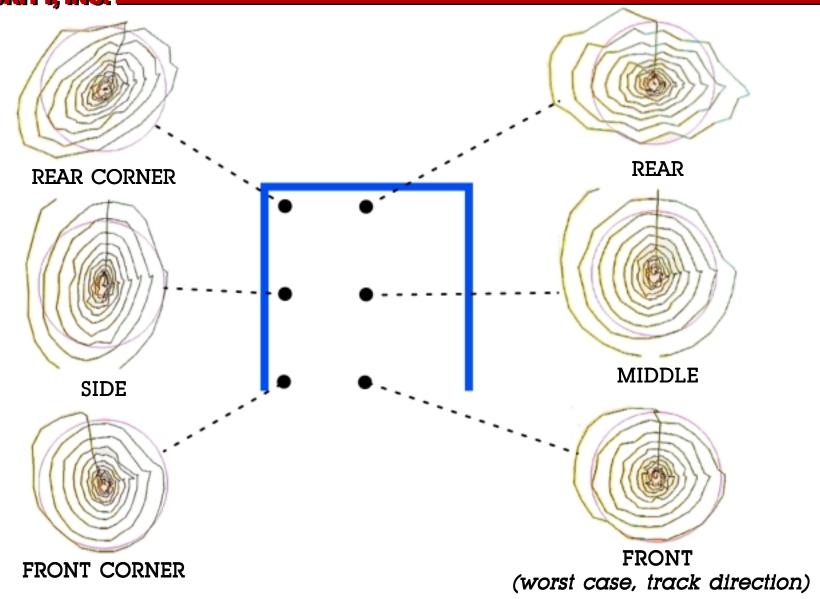
L1-MTC-4A Testing Procedures

Tape Test Methods: NSA Specification L1-MTC-4A: Record and measure a test signal. Bulk degauss the sample, and measure signal remnants.





Current Research CMRR UCSD



STRENGTH - TIME - LOCATION DISTRIBUTION IN ROTATING FIELD DEGAUSSER



Technology Advancements & Solutions

	Acquisition	Tape Processing & Analysis	Disk Processing & Analysis	Dissemination CLASSIFIED
350 Oersteds	IRIG Open Reel	9-track Open Reel	Large Disk Pack	Magnetic Tapes & Disks
	Type I Degausser	Type I Degausser	Permanent Magnet/ Wand	Cleared Courier
750 Oersteds	DCRSI TYPE II Degausser	QIC, Tk50, Tk70, 3480, 3490 Type II Degausser	Large Disk Pack Full/Half Height Hard Drives Special Purpose	Magnetic Tapes & Disks Cleared Courier
	0		Cavity Degausser	Degaussing
1000 Oersteds	I-SVHS, I-D1 Extended Range Degausser			
1700 Oersteds	4MM, 8MM, DTF, D-2, 8mm, 4mm, DLT III Type III Degausser	4MM, 8MM, 8mm, DDS1, DDS2, DLT III, 3590, 9840, SD-3 Type III Degausser	Disk Drives Special Purpose Cavity Degausser	Optical Disks Overnight Mail
Above 1700 Oersteds	DLT IV, DDS3, DDS4	DLT IV, DDS3, DDS4 LTO Ultrium, LTO Accelis		





Storage?



Overwriting?



Destruction?





Degaussing



Certification





Emerging Markets & Concerns

EMERGING MARKETS

- Brokerage
- Chemicals
- Commercial Banks
- Computer and Data Services
- Electric and Gas Utilities
- Health Care
- Insurance

If you're not prepared to deal with e-mail, it's one of the most devastating liabilities in corporate America today John H. Jessen CEO Electronic Evidence Discovery

MARKET CONCERNS

- Damaging e-mail
- Crashed or Refurbished Drives
- Improper Disposal
- Donated Computers

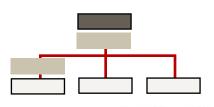
Mean delete 192

John H. Jessen

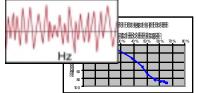
CEO Electronic

Evidence Discovery













HD-6000

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