

DATA SECURITY, INC.

DoD Specifications and Guidance For Sanitizing High Capacity Storage Media

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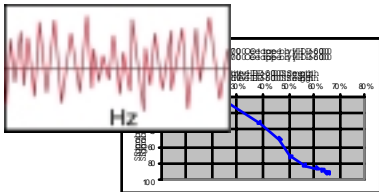
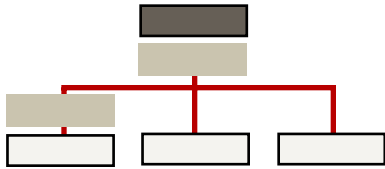
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Falls Church, VA 22043
on October 12, 1999**

THIC Inc.

The Premier Advanced Recording Technology Forum



DATA SECURITY, INC.



- ◆ 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

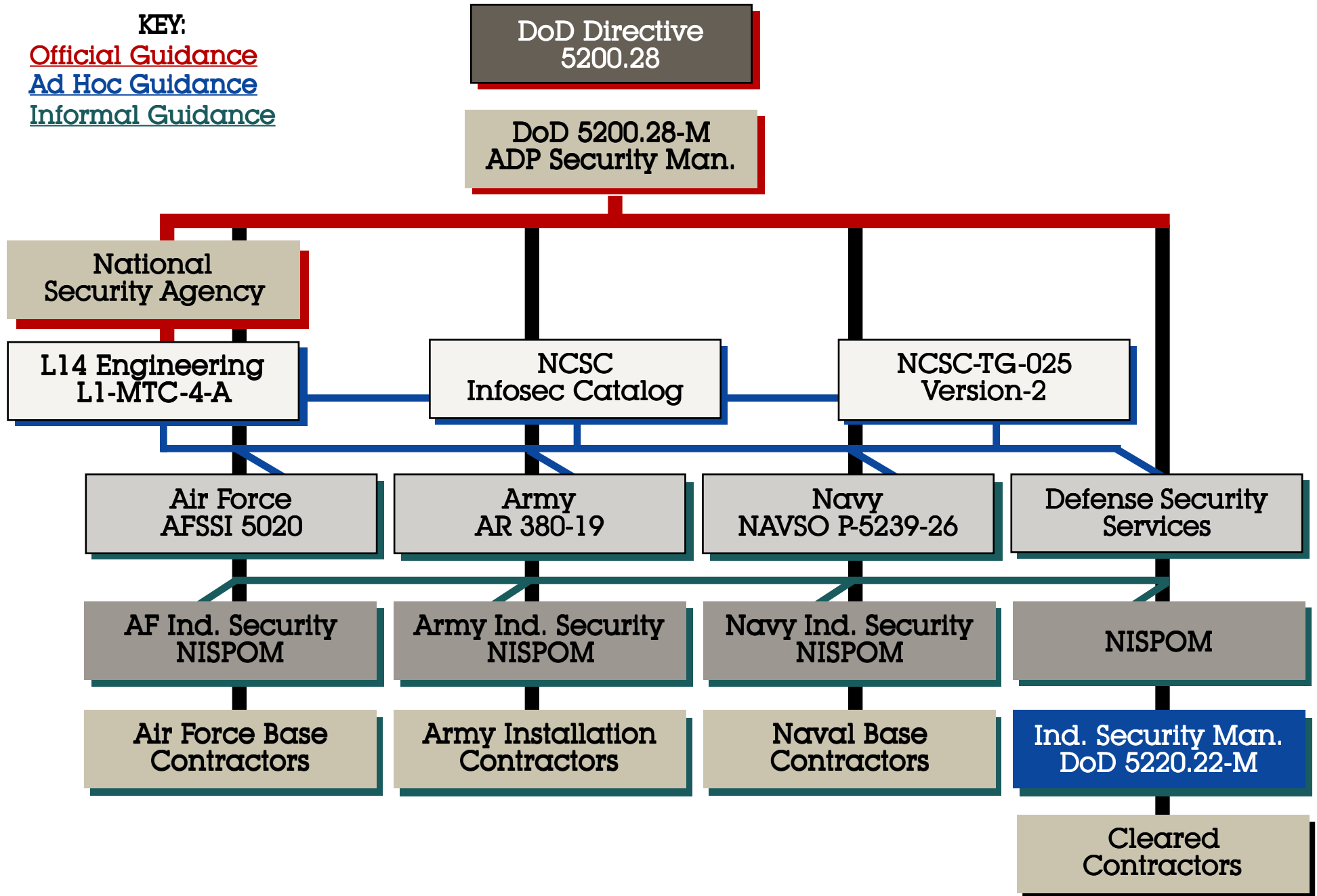
Regulatory Environment Flowchart

KEY:

Official Guidance

Ad Hoc Guidance

Informal Guidance



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)



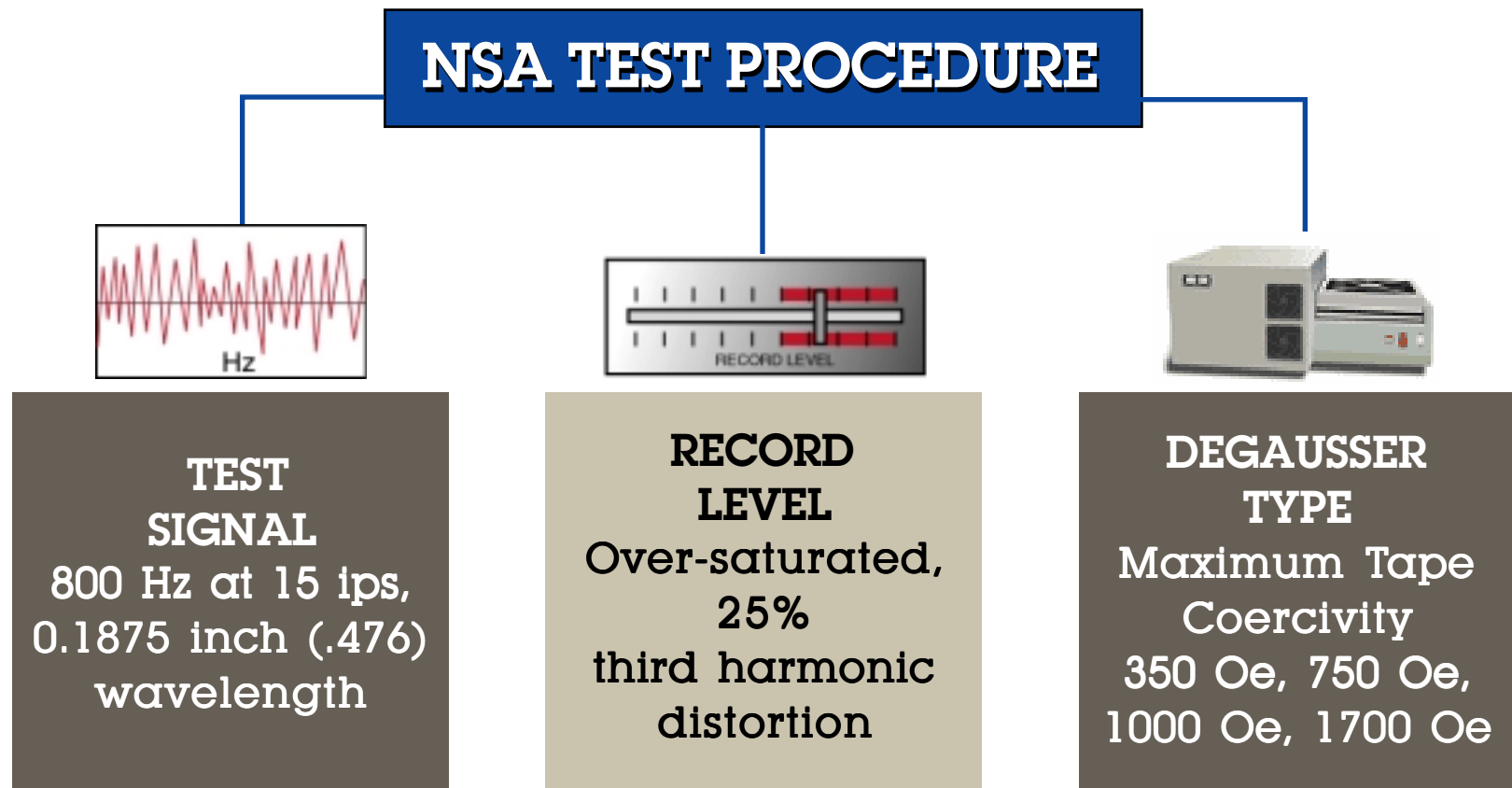
HARD DISKS (special purpose)

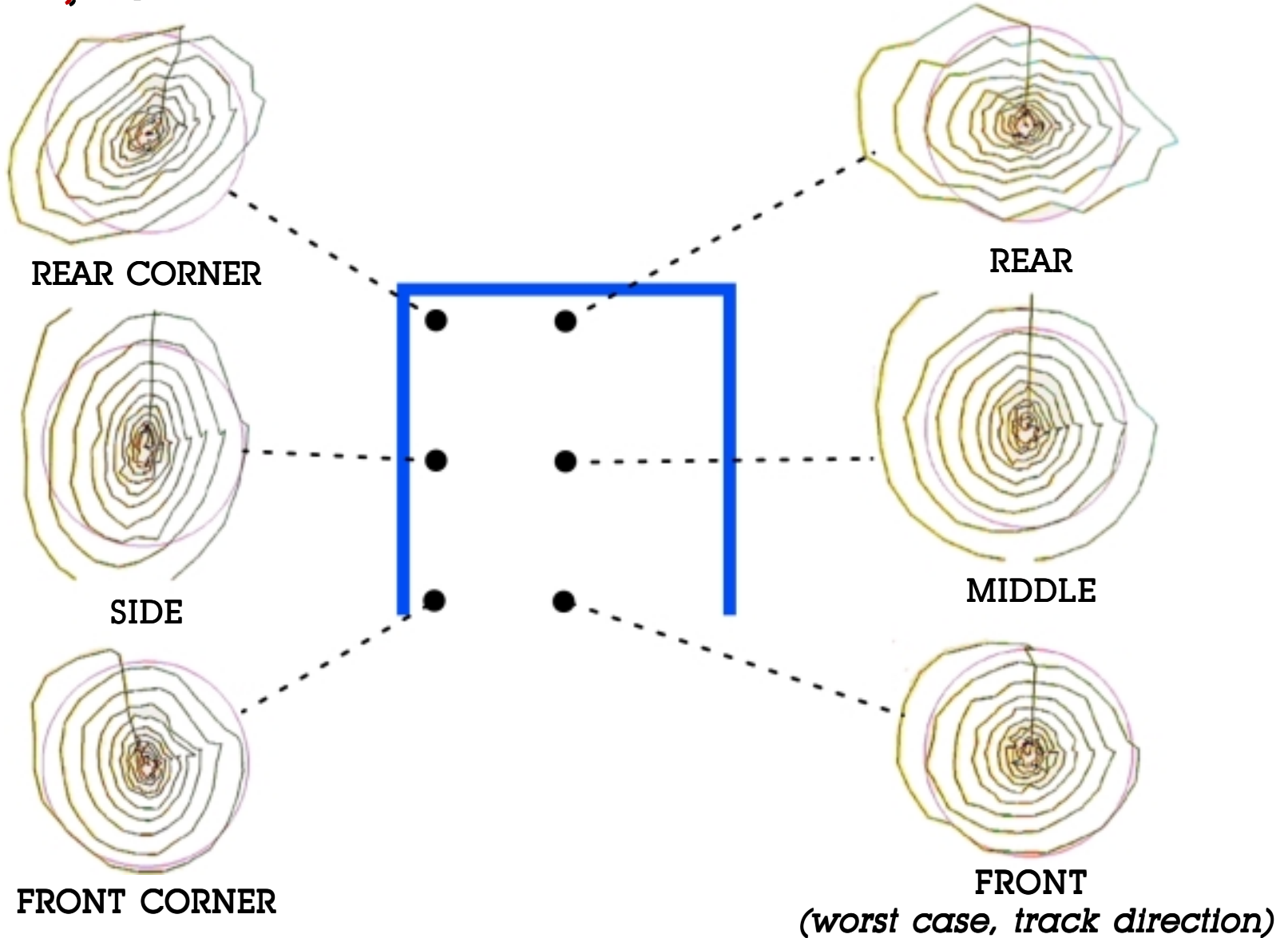


OPTICAL DISKS




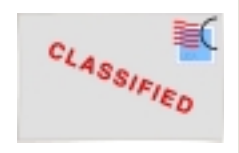


Tape Test Methods: NSA Specification L1-MTC-4A: Record and measure a test signal. Bulk degauss the sample, and measure signal remnants.





**STRENGTH - TIME - LOCATION DISTRIBUTION
IN ROTATING FIELD DEGAUSSER**

	Acquisition 	Tape Processing & Analysis 	Disk Processing & Analysis 	Dissemination 
350 Oersteds	IRIG Open Reel Type I Degausser	9-track Open Reel Type I Degausser	Large Disk Pack Permanent Magnet/ Wand	Magnetic Tapes & Disks 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 Cavity Degausser	Magnetic Tapes & Disks Cleared Courier 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

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

MARKET CONCERNS

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

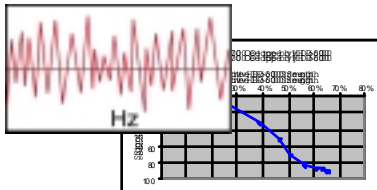
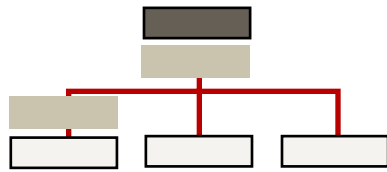
“If you’re not prepared to deal with e-mail, it’s one of the most devastating liabilities in corporate America today”¹
John H. Jessen CEO Electronic Evidence Discovery

“Delete doesn’t mean delete”²
*John H. Jessen
CEO Electronic Evidence Discovery*

¹Manny Frishberg “Firm Finds Deleted Data.” Puget Sound Business Journal Week of May 24, 1999

²David S. Bennahum. “Daemon Seed.” Wired May 1999

HD-6000



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