

DATA SECURITY, INC.

Protection of Classified Information on Magnetic Media

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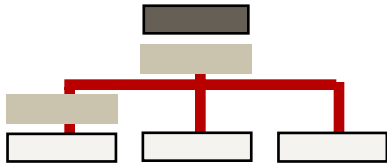
**Presented at the THIC Meeting at the Hilton Hotel
Virginia Beach VA 23451-3528
on October 12, 1999**

THIC Inc.

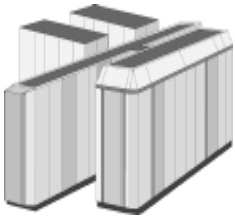
The Premier Advanced Recording Technology Forum



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Regulatory Environment Flow Chart



Information Storage Specifications



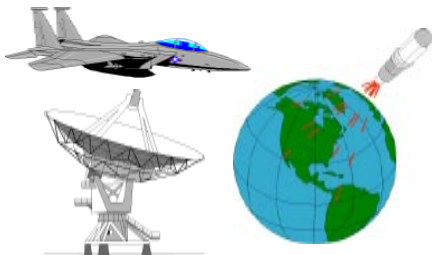
Information Cycle



Technology Advancements & Solutions

*Non-Effective Solutions

*Effective Solutions



Systems Scenario



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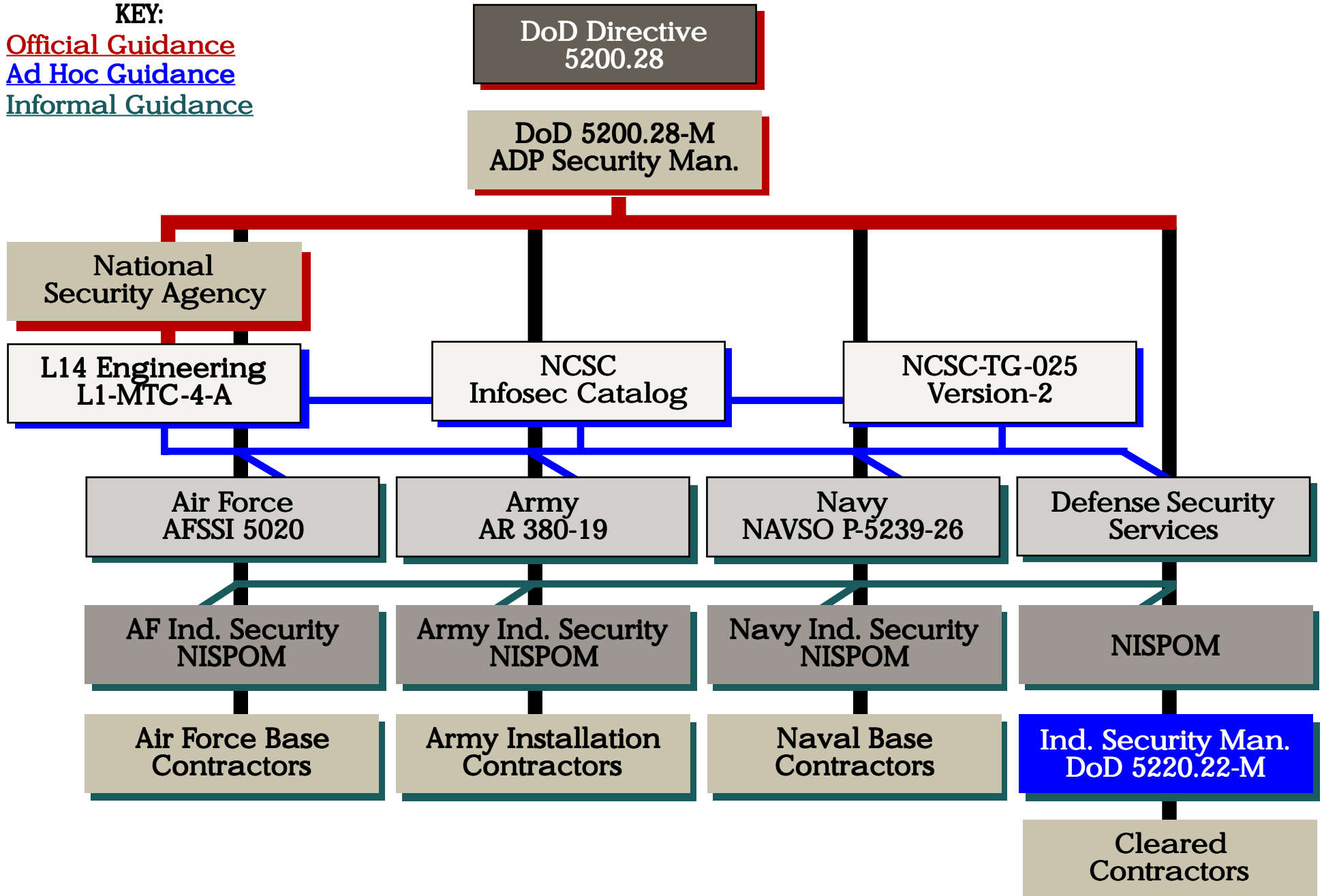
Regulatory Environment Flowchart

KEY:

Official Guidance

Ad Hoc Guidance

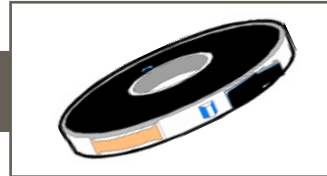
Informal Guidance



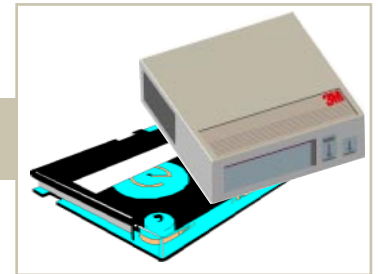
Oersted (Oe): A unit of magnetic field strength

Coercivity: The amount of applied magnetic field required to reduce magnetic induction to zero

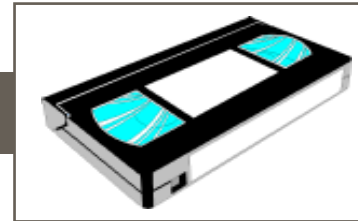
TYPE I (350 Oe)



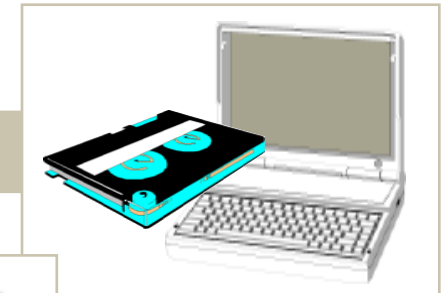
TYPE II (750 Oe)



EXTENDED RANGE (900 Oe)



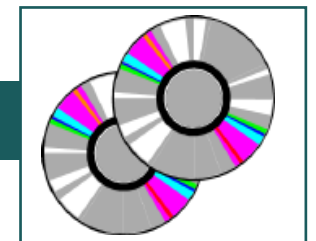
TYPE III (1700 Oe)



HARD DISKS (special purpose)



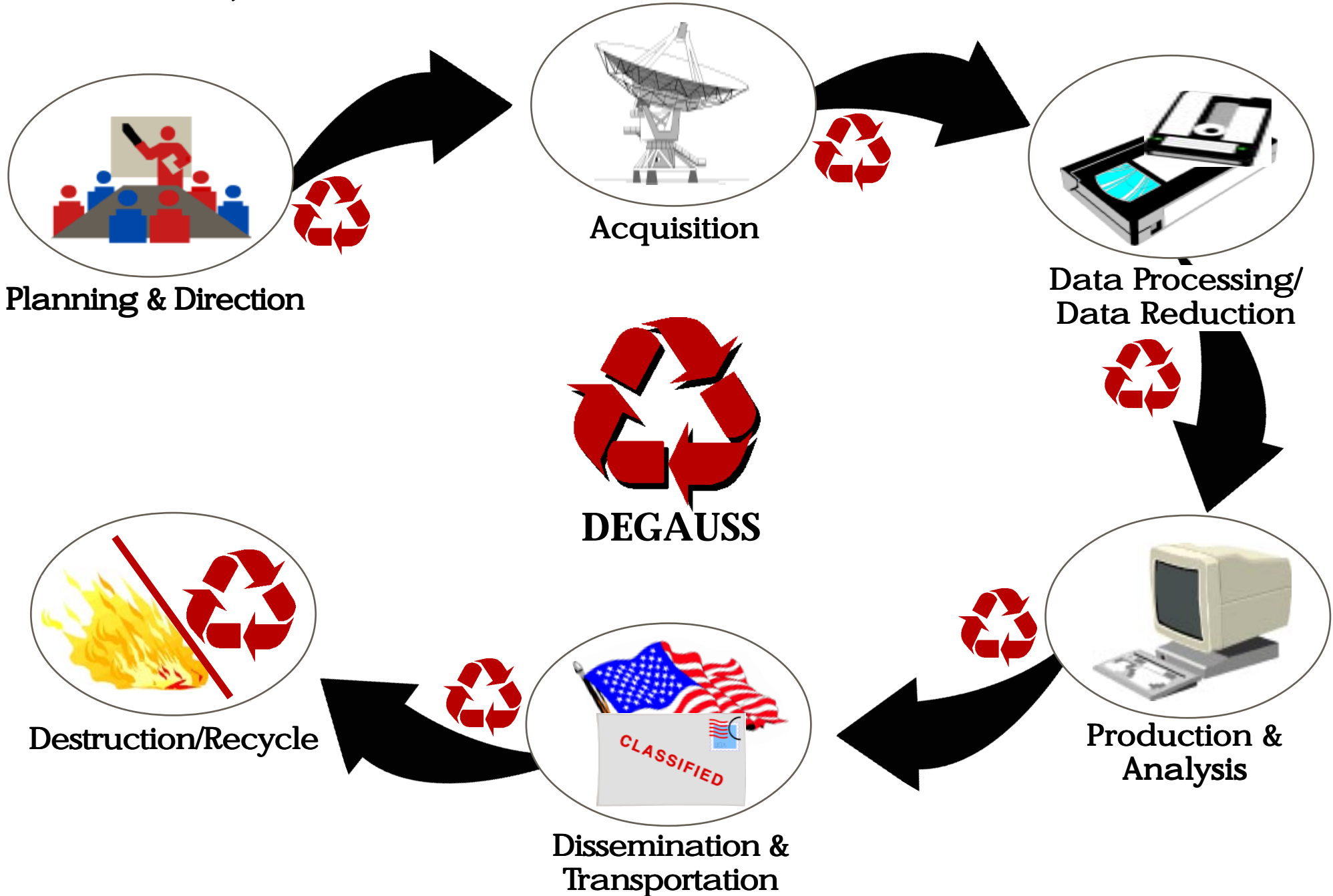
OPTICAL DISKS

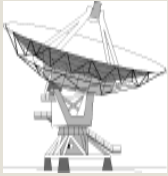
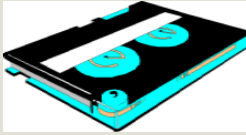






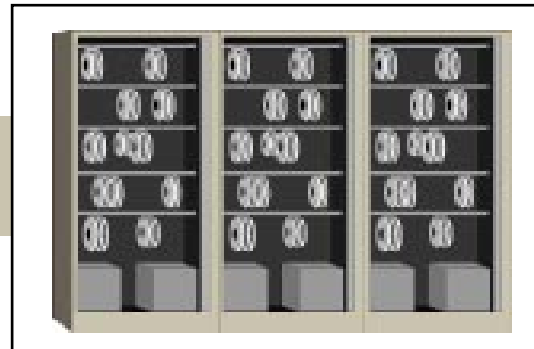
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Information Cycle

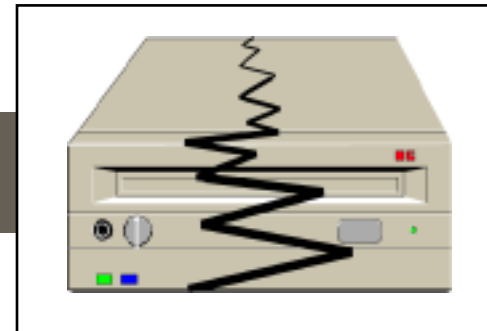


	Acquisition 	Tape Processing & Analysis 	Disk Processing & Analysis 	Dissemination 
350 Oersteds	IRIG Open Reel Type I Degausser	9-track Open Reel Type I Degausser	Large Disk Pack Permanent Magnet/Wand	Magnetic Tapes & Disks Cleared Courier
750 Oersteds	DCRSI TYPE II Degausser	QIC, HHC Type II Degausser	Large Disk Pack Full/Half Height Hard Drives Special Purpose Cavity Degausser	Magnetic Tapes & Disks Cleared Courier Degaussing
900 Oersteds	I-SVHS, I-D1 Extended Range Degausser			
1700 Oersteds	4MM, 8MM, DLT Type III Degausser	4MM, 8MM, DLT Type III Degausser	Disk Drives Special Purpose Cavity Degausser	Optical Disks Overnight Mail

Storage?



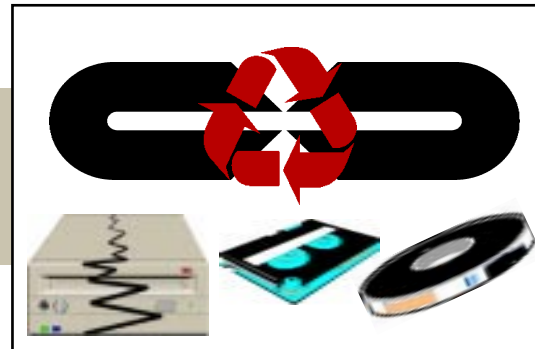
Overwriting?



Destruction?



Degaussing &
Erasure Service



Certification





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System Scenario

