

DATA SECURITY, INC.

Protection of Classified Information on Magnetic Media

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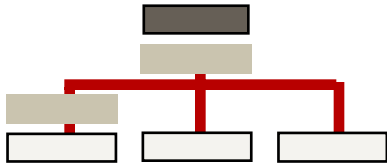
**Presented at the THIC Meeting at the Hilton Hotel
Virginia Beach VA 23451-3528
on October 12, 1999**

THIC Inc.

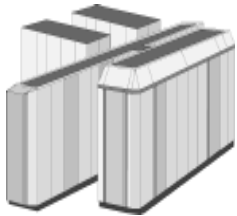
The Premier Advanced Recording Technology Forum



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Regulatory Environment Flow Chart



Information Storage Specifications



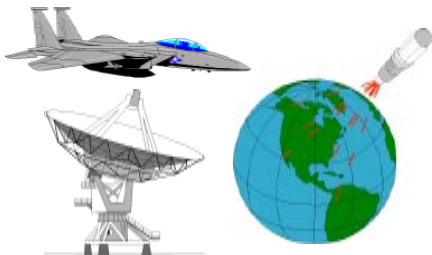
Information Cycle



Technology Advancements & Solutions

*Non-Effective Solutions

*Effective Solutions



Systems Scenario



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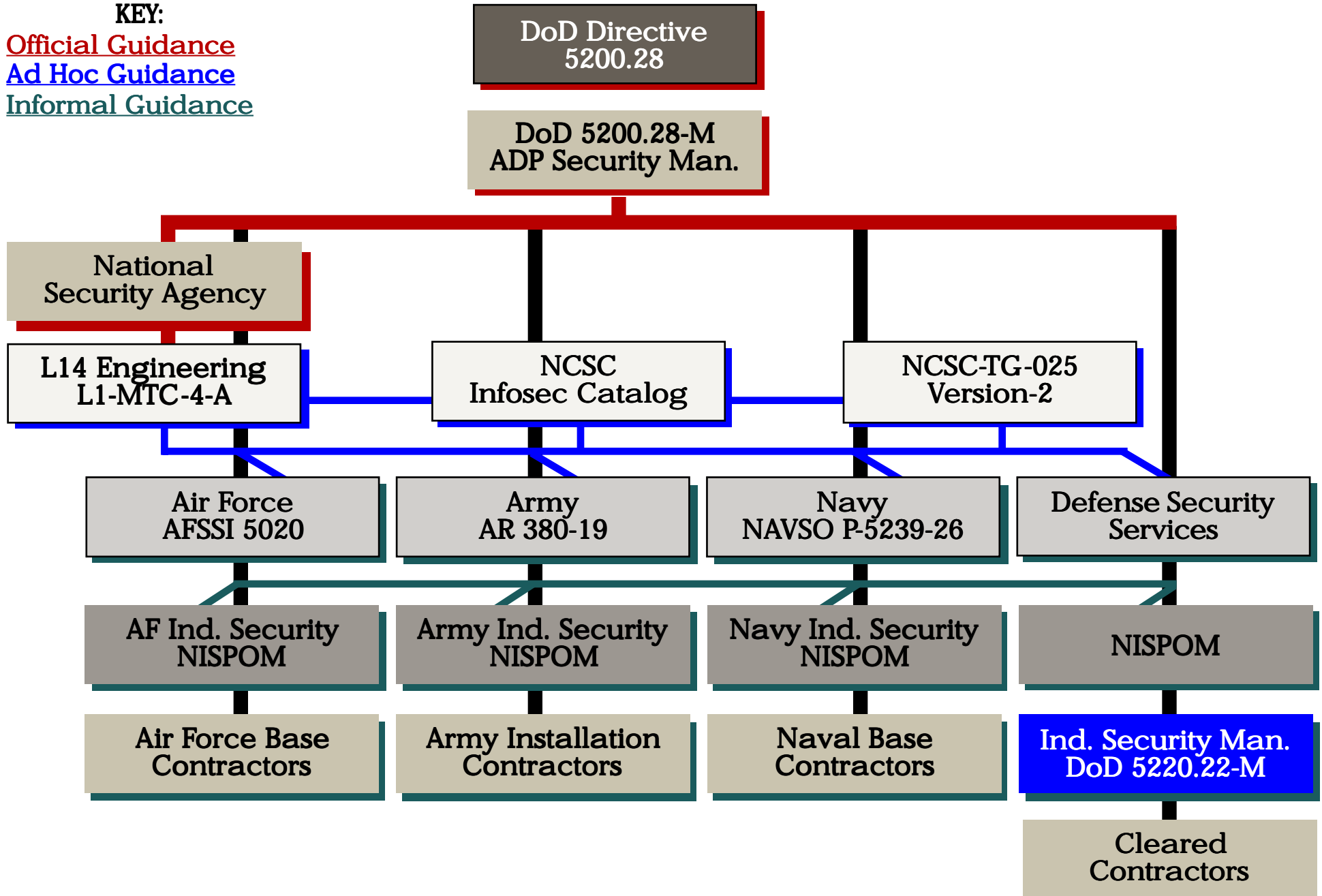
Regulatory Environment Flowchart

KEY:

Official Guidance

Ad Hoc Guidance

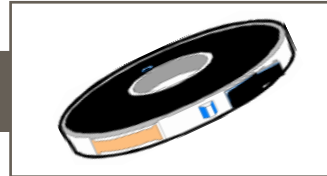
Informal Guidance



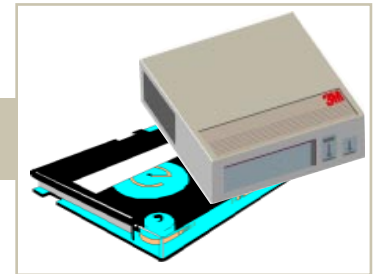
Oersted (Oe): A unit of magnetic field strength

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

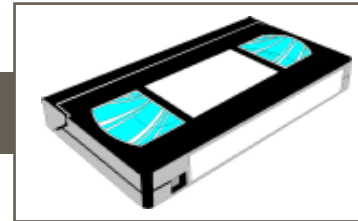
TYPE I (350 Oe)



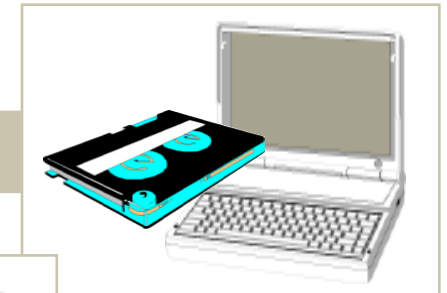
TYPE II (750 Oe)



EXTENDED RANGE (900 Oe)



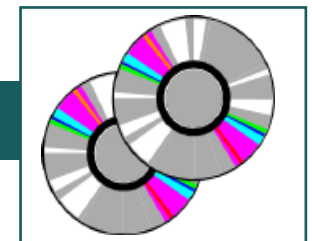
TYPE III (1700 Oe)



HARD DISKS (special purpose)



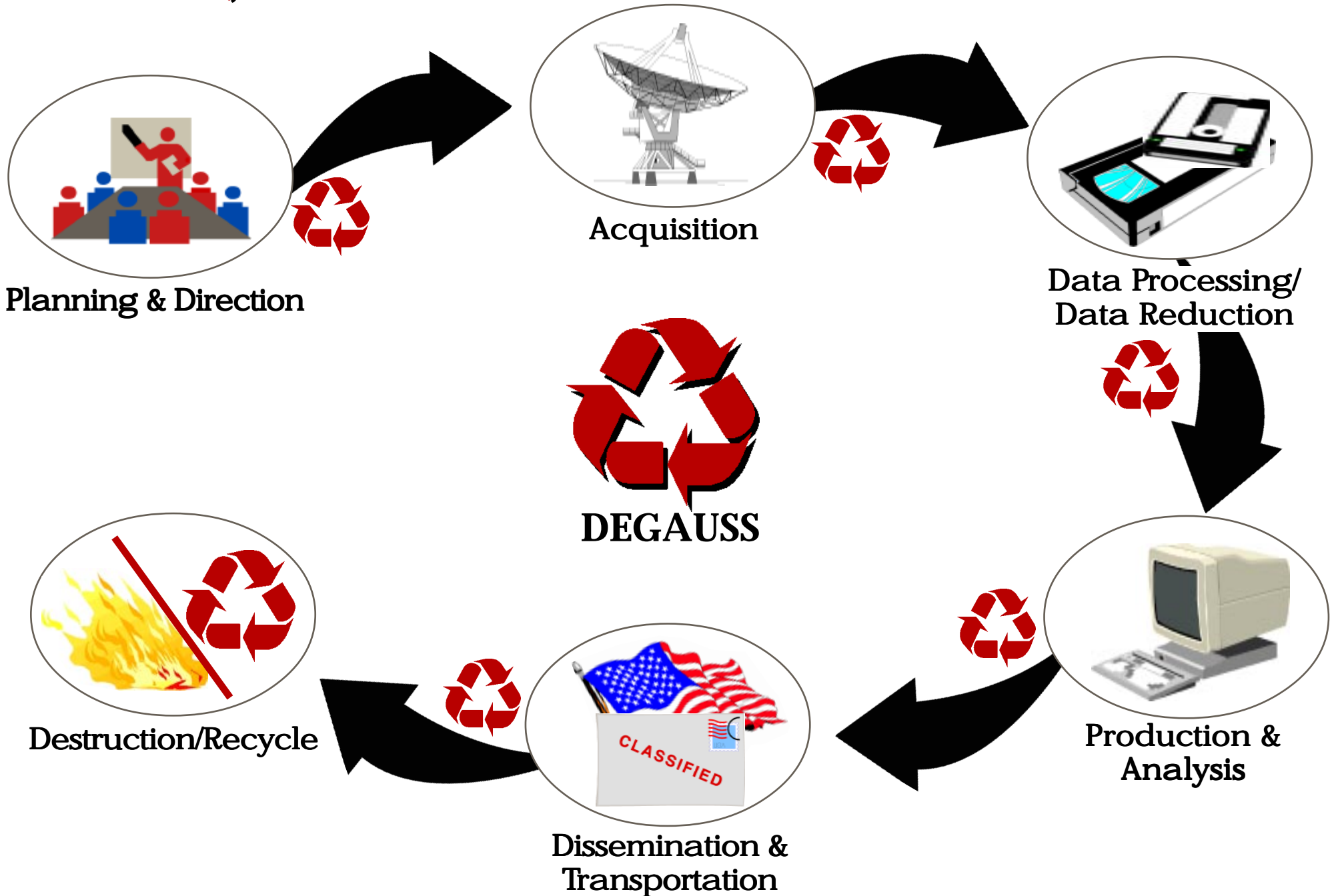
OPTICAL DISKS


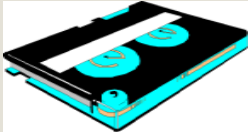






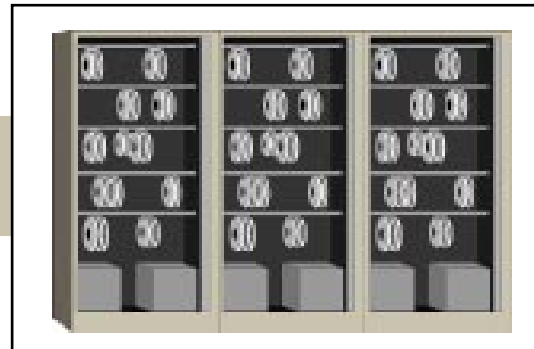
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Information Cycle

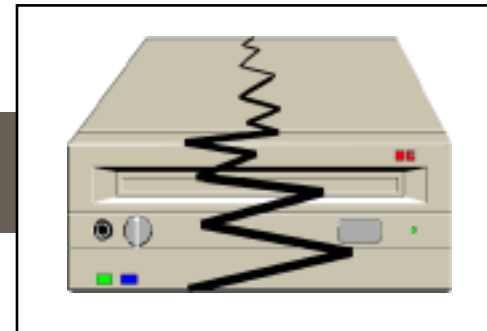


| | Acquisition  | Tape Processing & Analysis  | Disk Processing & Analysis  | Dissemination  |
|----------------------|---|---|--|---|
| 350 Oersteds | IRIG Open Reel Type I Degausser | 9-track Open Reel Type I Degausser | Large Disk Pack Permanent Magnet/Wand | Magnetic Tapes & Disks Cleared Courier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



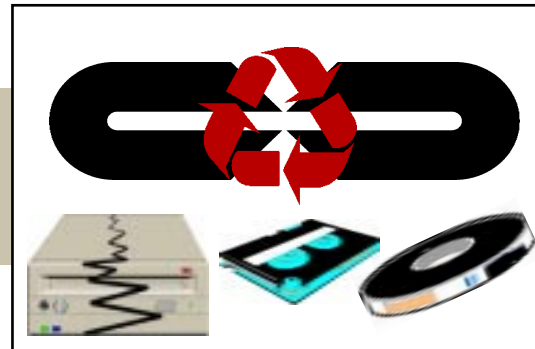
Overwriting?



Destruction?



Degaussing &
Erasure Service



Certification





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System Scenario

