



Whitemarsh
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Data Management Program Way Ahead

A Case Study: United States Army

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Data Management Program Mission

Enable

Understanding-Based Data Interoperability

throughout the Enterprise



1.0 Current Data Standardization Alternatives

1.1 Interfaces

- The USAF 1995 Study on Interface costs showed that each interface costs about \$335,000 per year to create and maintain.
- The USAF was extrapolated to then be spending about \$167 million per year (1995 dollars).
- If the USAF is 20% of DoD, then DoD is spending about \$1 Billion per year on just IT interfaces.
- Given that the Army has 20% of the DoD's IT then it's cost is about \$200 Million per year for interface activities.
- All interoperability is on a point-to-point basis.



- We need to unbind interfaces from 1-off to generalized
- Scaled to make the entire DoD Interoperable, then
 - ◆ If every 30 systems have 100 interfaces, and Navy has 75,000 systems, then there are 250,000 interfaces in the Navy. That's about 1 million interfaces in the DoD.
 - ◆ On a per year basis, each interface is \$1/3 million, thus annual cost = \$335 Billion

