
DOI’s layered approach to data management assurance/security parallels the same construct used in the operational risk management of aviation safety:

1. Identify the hazard.
2. Analyze the hazard.
3. Make risk decisions.
4. Implement independent controls that together as a layered defense, greatly reduce the probability of the hazard occurring.
5. Monitor and adjust based on documented results.

The illustration to the right depicts some of the layered security measures DOI employs. Others include policy, training, top-to-bottom personnel accountability, regular external audits, etc.