So You Want to Be Trustworthy: A Repository’s Guide to Taking Reasonable Steps Towards Achieving ISO 16363

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Trustworthy Repository

To be trustworthy is to be reliable, dependable, honest, principled, ethical, incorruptible, and more. A trustworthy person demonstrates these qualities over time and under all circumstances.

A trustworthy repository demonstrates these qualities through the team that manages the repository and the responsible organization.

The requirements in ISO 16363 can be tough to reach and tough to maintain. Challenges include: limited funds, limited resources and/or skills, and an unclear time path to successfully achieve the requirements.

Better Data Management results in Better Science.

ISO 16363 - Trustworthy Digital Repository compared to the Data Management Maturity (DMM) Process Framework

This matrix shows the mapping between the elements of the ISO 16363 standard (left) and a full set of data management processes (top) as included in the Data Management Maturity (DMM) framework. The green boxes show the coverage of the ISO 16363 requirements. The color green indicates that there is full or nearly full coverage of the DMM process area.

The ISO standard as compared to the DMM has full or nearly full coverage for all but two process areas. Not all boxes need to be filled in for coverage to be full. For organizations that choose the ISO 16363 standard as a goal, they should be aware that the standard does not recognize partial completion. An organization either has or has not fully implemented each requirement. The DMM recognizes partial implementation as valuable, and depending on the organization’s resources and goals, partial implementation might be good enough.

Quantifying Improvement Building Trust and Capability

As Your Organization Moves Up the Curve, the Benefits are:
- Ongoing Improvement
- Refined Practices
- Better Risk Management
- Better Alignment with Changing Needs of Community
- Better Ability to Handle Operational Stress
- Continuous Trust Building

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