Here we go again down this road

The process of certification
(and recertification)
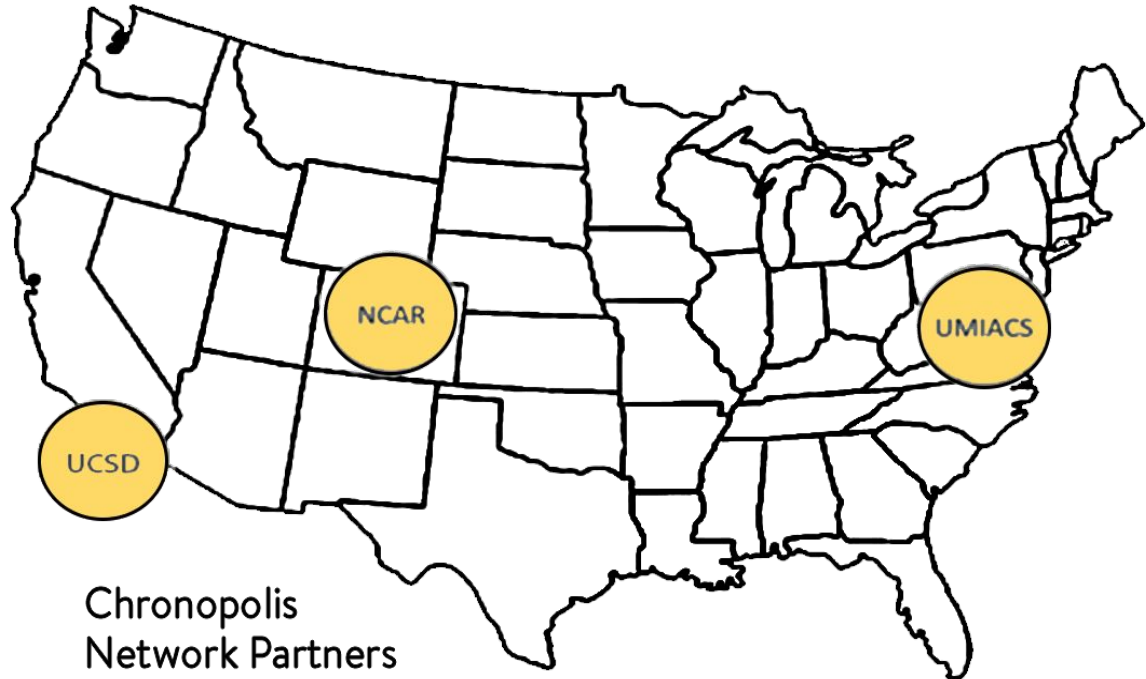
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CHRONOPOLIS

Dark digital preservation
network spanning multiple
institutions and geographic
regions.

- University of California, San Diego (UCSD)
- National Center for Atmospheric Research (NCAR)
- University of Maryland Institute for Advanced Computer Studies (UMIACS)

NCAR

UMIACS

UCSD

Chronopolis
Network Partners

CHRONOPOLIS

ISO 16363

Terminology

Part of the ISO ecosystem

Certification Processes

Costs

CHRONOPOLIS

TERMINOLOGY

Certification is the provision by an independent body of written assurance (a certificate) that the product, service or system in question meets specific requirements. Certification is also known as third party conformity assessment.

A **Certification Body** (CB) performs certifications for specific standards. Also known as a Conformity Assessment Body (CAB).

An **Accreditation Body** performs **Assessments** on Certification Bodies to review their competency in providing certifications for specific standards.

An organization's system can be **conformant** or **non-conformant** against the criteria listed in the standard. Non-conformance can be **Major** or **Minor**.

The ISO Ecosystem

ISO 14721
Open archival information system (OAIS) -- Reference model

ISO 16363
Audit and certification of trustworthy digital repositories

ISO 16919
Requirements for bodies providing audit and certification of candidate trustworthy digital repositories

ISO 17021

Certification of one of these is also required:

ISO/IEC 20001	ISO 9001	ISO/IEC 27001

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CERTIFICATION PROCESS

Initial certification

1) Application
2) Stage 1 Audit (doc review, short initial visit)
3) Stage 2 Audit (in-depth onsite visit)
4) Closure of all nonconformances
5) Certification

Continuing certification

Year 1:   1st Surveillance Audit
           (w/in 12 months of certification)
Year 2:   2nd Surveillance Audit
Year 3:   Recertification Audit

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COSTS

ISO Certification = Application fees: $1000-$2000

Calculation of audit days is based on number of personal and is determined by IAF MD 5:2015.

\+ Audit costs: $1000-$1200 per day, per auditor plus expenses

It is likely that the CBs will also employ technical experts during audits for ISO 16363.

\+ Annual fees: $1000 - $2000

CRL TRAC Audit = $75,000

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CERTIFICATION STATUS

- ISO 16919 approved late 2014

- No CBs have made an application through ANAB to be accredited to provide certification for ISO 16363

- CBs may be hesitant to apply for accreditation because they are unsure of the market. ANAB can relay market demand to CBs in order to encourage them to apply.

- To ensure competitive certification pricing, there ideally needs to be at least two accredited CBs providing ISO 16363 certification

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Thank you!