


# Principles? Principles? Who needs Principles? This is A PID Party!



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PIDapalooza, Lisbon, Portugal  
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# Before we begin the PARTY!

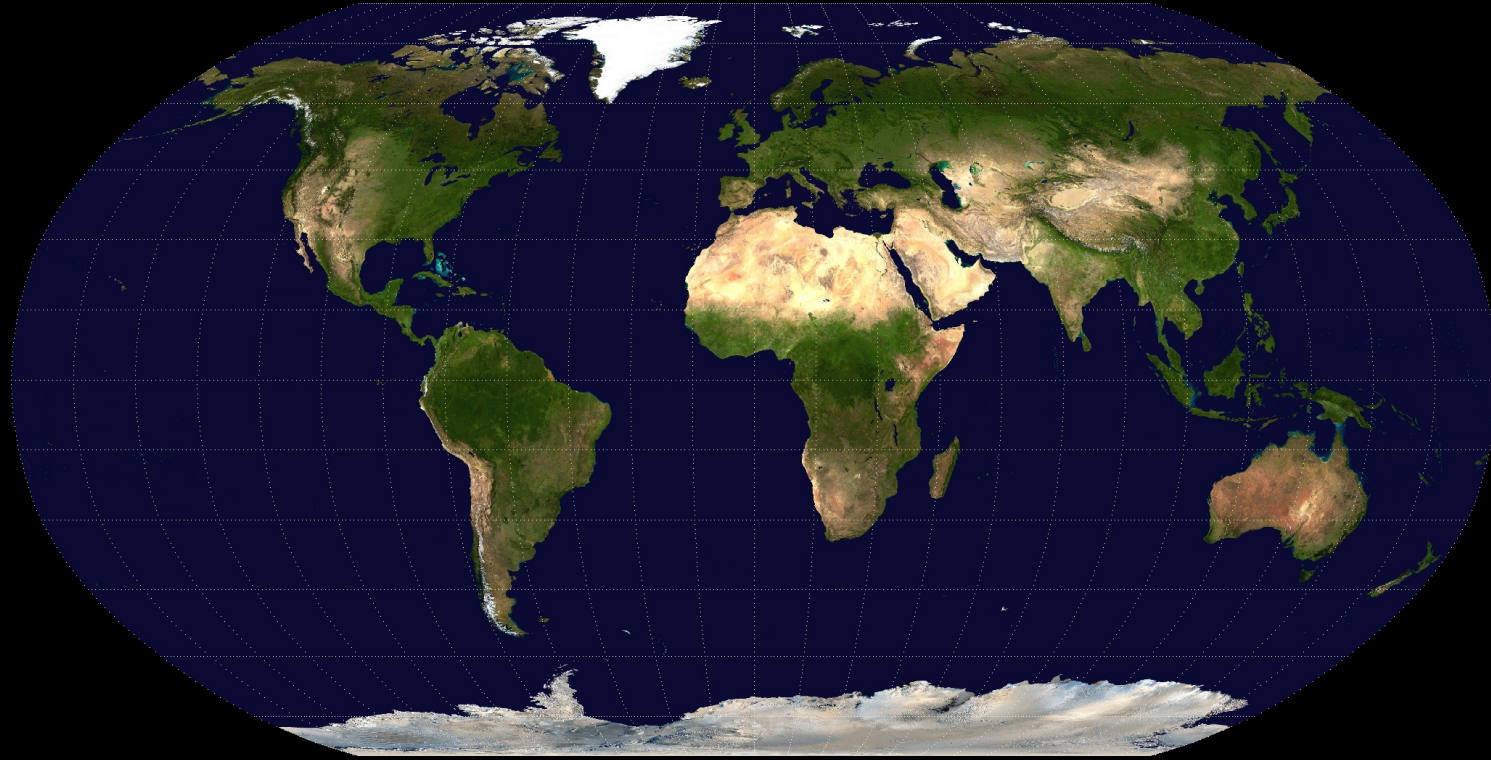
- ▶ Some background about ISO, ISO TC 46 & TC 46/SC 9 & NISO's role in all this fun
- ▶ Principles, what Principles? ISO 22943
- ▶ How the game is to be played
- ▶ The Game
- ▶ Scoring the Game
- ▶ Presentation of the Prizes! (WHAT PRIZES???)

# No Joking. There are real prizes at stake

- ▶ For the Winners (Highest Quiz Score)
  - ▶ First Place: 20-year-old Messia's Porto
  - ▶ Second Place: 10-year Messia's Porto
  - ▶ Third Place: 2013 LBV Messia's Porto
- ▶ Other Prizes (Judge's Discretion)
  - ▶ Smaller tastings of Messia's Porto
- ▶ **IT'S A PID PARTY PORTUGAL STYLE!!!**



It's a big world and it needs standards

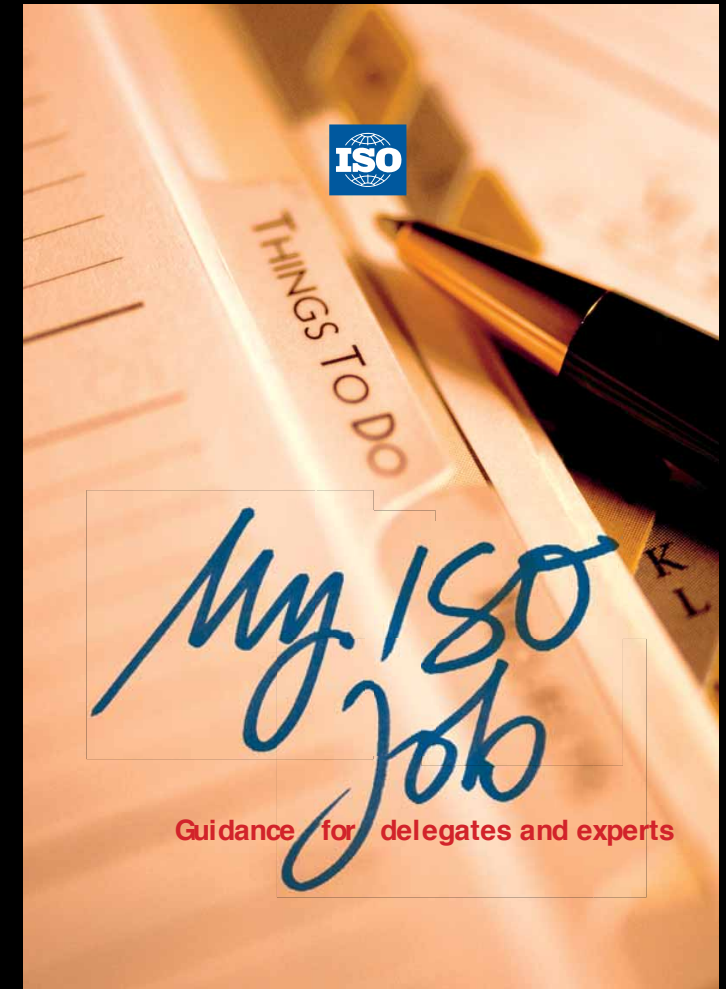




# ISO TC 46

## Information & Documentation

- Technical interoperability (SC 4)
- Statistics and performance evaluation (SC 8)
- Identification and description (SC 9)
- Document storage and preservation (SC 10)
- Archives/records management (SC 11)



ISO/TC 46

# ISO/TC 46/SC 9

## Identification and description

### ABOUT

#### SECRETARIAT: ANSI

Committee Manager: [Mr Todd Carpenter](#)

Chairperson (until end 2020): Ms Stella Griffiths

ISO Technical Programme Manager [TPM]: [Mme Patricia Cook](#)

ISO Editorial Programme Manager [EPM]: [Mrs Martha Casantosan](#)

Creation date: 1987

### QUICK LINKS

#### WORK PROGRAMME

Drafts and new work items

#### WORKING AREA

on ISOTC and Public information folder

#### ISO ELECTRONIC APPLICATIONS

IT Tools that help support the standards development process

25

**PUBLISHED ISO STANDARDS\***

under the direct responsibility of ISO/TC 46/SC 9

5

**ISO STANDARDS UNDER DEVELOPMENT\***

under the direct responsibility of ISO/TC 46/SC 9

29

**PARTICIPATING MEMBERS**

16

**OBSERVING MEMBERS**

\* number includes updates

[STRUCTURE](#)
[LIAISONS](#)
[MEETINGS](#)

REFERENCE	TITLE	TYPE
<a href="#">ISO/TC 46/SC 9/AHG 1</a> ⓘ	RA planning	Working group
<a href="#">ISO/TC 46/SC 9/AHG 2</a> ⓘ	ISTC AdHoc Review Group	Working group
<a href="#">ISO/TC 46/SC 9/WG 5</a> ⓘ	International Standard Serial Number (ISSN)	Working group
<a href="#">ISO/TC 46/SC 9/WG 14</a> ⓘ	Description and presentation of rights information	Working group

# SC 9 Identifier Standards Portfolio

[ISO 10957:2009](#)

Information and documentation — International standard music number (ISMN)

[ISO 15706-1:2002](#)

Information and documentation — International Standard Audiovisual Number (ISAN) — Part 1: Audiovisual work identifier

[ISO 15707:2001](#)

Information and documentation — International Standard Musical Work Code (ISWC)

[ISO 17316:2015](#)

Information and documentation — International standard link identifier (ISLI)

[ISO 20247:2018](#)

Information and documentation — International library item identifier (ILII)

[ISO 21047:2009](#)

Information and documentation — International Standard Text Code (ISTC)

[ISO 2108:2017](#)

Information and documentation — International Standard Book Number (ISBN)

[ISO 26324:2012](#)

Information and documentation — Digital object identifier system

[ISO 27729:2012](#)

Information and documentation — International standard name identifier (ISNI)

[ISO 27730:2012](#)

Information and documentation — International standard collection identifier (ISCI)

[ISO 3297:2017](#)

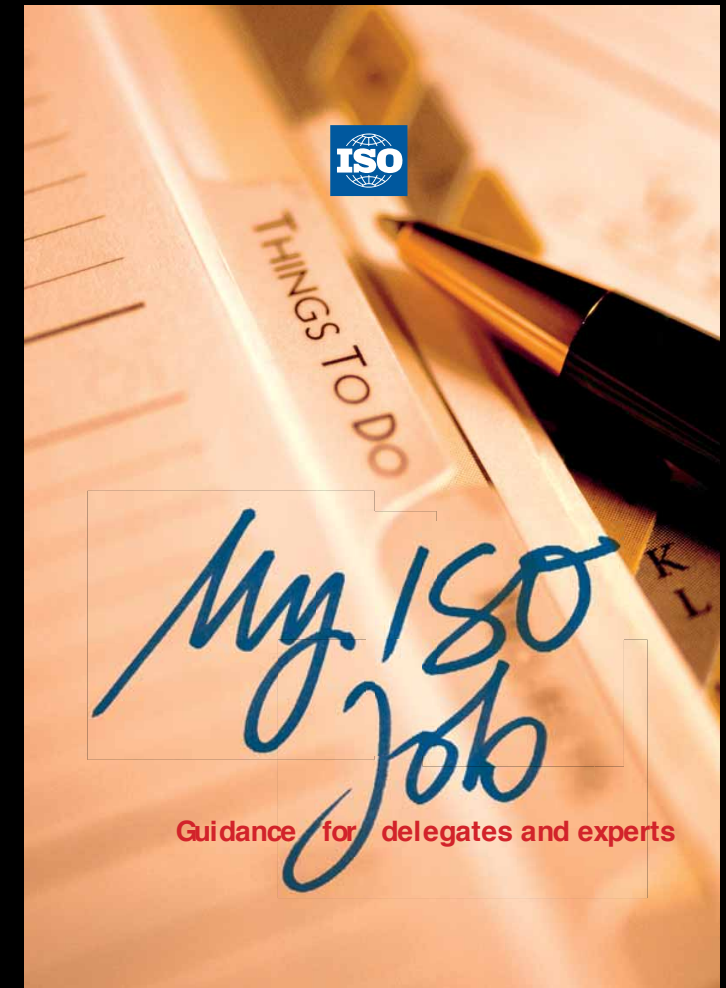
Information and documentation — International standard serial number (ISSN)

[ISO 3901:2019](#)

Information and documentation — International Standard Recording Code (ISRC)

# NISO and International Standards

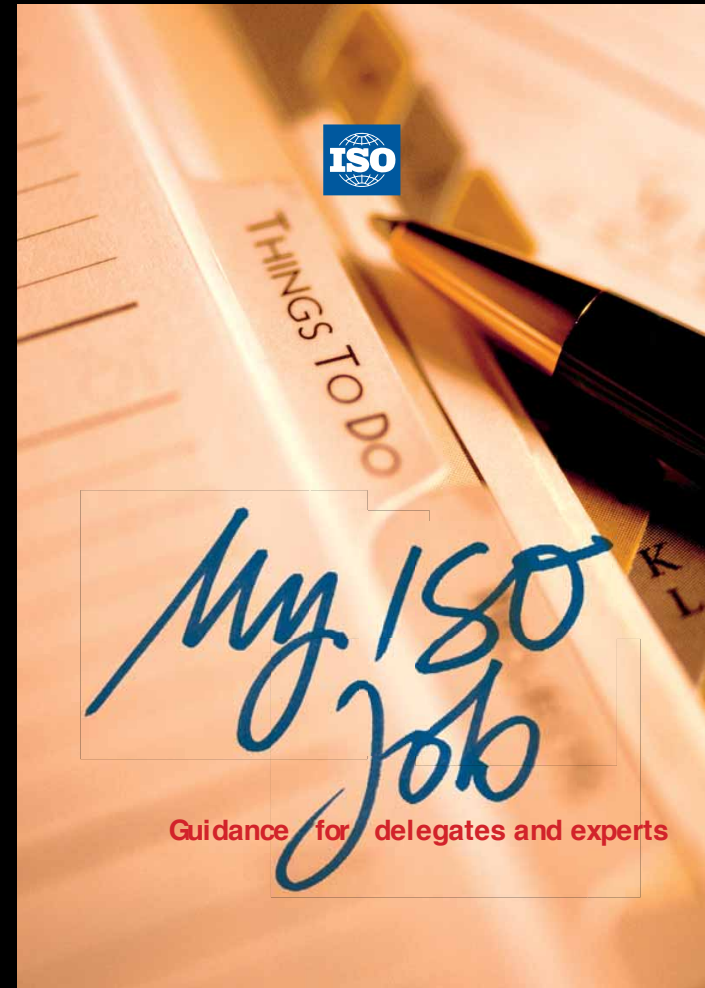
NISO represents USA interests to ISO  
in the areas of  
Information & Documentation  
(ISO TC 46)  
and  
Document processing  
Languages  
(ISO/IEC JTC1/SC34)





# NISO and TC 46/SC 9

- ▶ The United States National Standards Body, ANSI serves as the secretariat for the ISO TC46/SC 9 Committee.
- ▶ ANSI Delegates that authority and management responsibility to NISO. We pay the fees to manage the Secretary and Todd Carpenter serves as Committee Manager (Secretary).
- ▶ NISO provides management oversight, ballot management, document tracking, editing services, and working group support, as well as manages the SC9 plenaries.
- ▶ Stella Griffiths, Executive Director of ISBN International serves as Chair of TC 46/SC 9 (until the end of 2022, her second 3-year term)



# ISO/CD TR 22943 - Principles of identification

## Working Group 16 of SC9

- ▶ Todd Carpenter, Convener, Project Editor
- ▶ Committee has met virtually on a monthly basis for 15 months to work on draft. The group also met once in person in Ottawa in May 2019.

## Committee Draft Circulated on January 3, 2020

- ▶ **Balloting/Commenting Period on Draft Closes on February 28, 2020**
- ▶ A comment resolution meeting is planned for May 12, 2020. Depending on how much editing is required, a final draft for approval will be circulated this summer, for publication in the fall of 2020.

## **Information and documentation — Principles of identification**

**WD stage**

### **Warning for WDs and CDs**

This document is not an ISO International Standard. It is distributed for review and comment. It is subject to change without notice and may not be referred to as an International Standard.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.



# Who needs Principles?

- ▶ The ISO Principles of Identification Technical Report is a non-normative statement of the ideal elements that should be incorporated into an identification system. The document provides a justification for their need, role, and value in the supply chain of information resources. It includes definitions, and a set of 13 ideal attributes of identifiers and identifier systems



# Upcoming meetings of ISO TC46

- ▶ TC 46 Plenary Week
  - ▶ Hosted by British Standards Institute
  - ▶ London, UK from May 11 to 15, 2020
- ▶ TC 46/SC 9 Plenary Meetings and Working Groups throughout that week





READY FOR THE QUIZ?





# How to play?

- ▶ Each of you has received a scoring sheet.
- ▶ Mark your answers in ink on the sheet.
- ▶ Please no cheating! No googling, or accessing Google docs (if you have access)
- ▶ I will go through each question once, only once.
- ▶ I will stop the quiz at 2:15 so we have time to score, regardless of how far we get. (I didn't really time the game.)
- ▶ At the end, you will trade with your neighbor and I will go through the answers. You will all grade your neighbor's score cards
- ▶ There will be no debate of the judges rulings. Seriously, we don't have time.
- ▶ There are tricks, oddities, and peculiarities.
  - ▶ I didn't try to make this easy, but it won't be impossible like Ed Pentz's quizzes!



## QUESTION 1:

- ▶ What is the designation and title of the ISO Subcommittee that is working to publish ISO/CD TR 22943 Principles of Identification?



## QUESTION 2:

- ▶ **Which three of the following terms should an ISO Technical Report NOT include?**

Shall

Can

Ought

May

Must

Will

Should

Could

Might



## QUESTION 3:

▶ How many ISO Identifiers are managed by TC 46/SC 9?

▶ 9      12      15      18      or      21





## QUESTION 4:

- ▶ **What was the first identifier standard published, that is still maintained today, by TC 46/SC 9?**
  - ▶ Hint: ISO Standards are numbered sequentially.



## QUESTION 5:

- ▶ **Which of these is a new identifier standard under active development by ISO/TC 46/SC 9?**
  - ▶ Research Activity Identifier
  - ▶ International Standard Content Code
  - ▶ International Standard Image Number
  - ▶ Canonical Fragment Identifier



## QUESTION 6:

- ▶ **When should identifiers be created?**
- 



## QUESTION 7:

- **Which statement is correct?:**
- A registration authority may delegate some of its work to many registration agencies
- A registration agency may delegate some of its work to many registration authorities



## QUESTION 8:

- ▶ **Which two elements of an identification system are recommended to be publicly available in order for the identification system to be considered open:**
  - ▶ The identifier string
  - ▶ All metadata
  - ▶ Some kernel metadata
  - ▶ All administrative metadata
  - ▶ All kernel metadata
  - ▶ Some administrative metadata
  - ▶ Resolution systems





## QUESTION 9:

- ▶ **What is the kernel metadata?**

- ▶ A) All of the referent metadata
- ▶ B) A set of metadata that is sufficient to uniquely specify the referent
- ▶ C) A set of metadata that includes descriptive and administrative metadata
- ▶ D) The set of metadata that is made freely available to the community



## QUESTION 10 (BONUS LOGIC QUESTION):

- **Which is the right answer?**
- A) The correct answer
- B) Always choose C
- C) The longest answer is always correct
- D) All of the above



# QUESTION 11:

➤ **Which of these are NOT examples of Referent Metadata:**

- Authors Birthday
- Publication Date
- Registering Agent
- Assignment Date
- Publisher
- License
- Language
- Recording release date
- Film's Director's ISNI
- Namespace
- Format
- Resolution URL



## QUESTION 12:

- **What are two things that the concept of granularity allows one to do in an identifier system?**
  - A) The ability to add layers to identifier services
  - B) The ability to distinguish referents
  - C) The ability to cluster referents
  - D) The ability to link referents

## QUESTION 13:

Which of the following are NOT examples of component elements of an identification system?

- ▶ Governance bylaws
- ▶ Assignment and maintenance procedures
- ▶ The standard
- ▶ The identifier string
- ▶ The metadata
- ▶ Assignment policies
- ▶ Web services
- ▶ PIDapalooza Conference
- ▶ Metadata collection tools
- ▶ The ISBN Handbook
- ▶ Implementer's listservs
- ▶ Educational webinars about the PID system or use cases
- ▶ Backup copies of the identifier and metadata dataset
- ▶ The ORCID Board of Directors





## QUESTION 14:

- ▶ If a standard or identification system does not currently follow the Principles outlined in ISO TR 22943, they will be punished by ISO in some way after the Technical Report is published?
- ▶ YES or NO



## QUESTION 15:

- ▶ **Which of the following would NOT cause a problem with disambiguation of an identifier?**
- ▶ A) Two different referents being assigned the same identifier within a namespace
- ▶ B) A single identifier within a namespace assigned to two different referents
- ▶ C) Two different identifiers with exactly the same metadata
- ▶ D) A single referent assigned two different identifiers in the same namespace

## QUESTION 16:

**Select at least five elements build trust in an identifier system from the list?**

- ▶ A) Consistent identification system governance
- ▶ B) Perceived quality of the referent-associated metadata
- ▶ C) Public availability of kernel metadata
- ▶ D) Inaccessible documentation
- ▶ E) Procedures for error correction
- ▶ F) Metadata inaccuracies
- ▶ G) Procedures for resolution of problems
- ▶ H) Stable economic support
- ▶ I) Resolvability of the identifier
- ▶ J) Assignment by those with no ties to referent creation
- ▶ K) Identifier conflict
- ▶ L) Ongoing maintenance



## QUESTION 17:

- **Which of these semantics are acceptable to be included in an identifier string?**
- A) Publisher/Label
- B) Authors Name Accession Number
- C) Content Title
- D) Accession Number

## QUESTION 18 (2<sup>nd</sup> Logic Question):

- ▶ Consider following syllogism.  
“(1) All artists are chemists. (2) Some chemists attended Pidapalooza.” If (1) and (2) are both true, then which of the following must be true?
- ▶ A) Some of those that attended PIDapalooza are not artists
- ▶ B) Some artists did not attended PIDapalooza.
- ▶ C) Some of the PIDapalooza attendees are artists
- ▶ D) None of the other options are correct.



TRADE YOUR QUIZ  
WITH YOUR NEIGHBOR







# ANSWERS





# Answers 1

- ▶ 1) ISO TC 46/SC 9 – Information & Documentation - Identification & Description
- ▶ 2) <MUST, SHALL and WILL> are all normative command terms that may not be included in an ISO TR.
- ▶ 3) 12
- ▶ 4) ISBN (ISO 2108)
- ▶ 5) RaiD – Research activity identifier (ISO)
- ▶ 6) As close in time to referent creation as possible.
- ▶ 7) A registration authority may delegate some of its work to many registration agencies

# Answers 2

- ▶ 8) The Identifier String, Some Kernel Metadata
- ▶ 9) B - A set of metadata that is sufficient to uniquely specify the referent
- ▶ 10) A - The Correct Answer=> The correct answer has to be correct and it can't be the others.
  - ▶ => If C is the answer then B cannot be the answer, therefore B cannot be correct
  - ▶ => If C is correct, then A cannot also be true.
  - ▶ => Can't be D because therefore B isn't correct

# Answers 3

- ▶ 11) Registering Agent; Assignment Date; Namespace; Resolution URL (both)
- ▶ 12) B & C
- ▶ 13) PIDapalooza Conference is the only correct answer. The rest are.
- ▶ 14) NO, the Principles are NON-Normative. Technical Reports are guidance not standards
- ▶ 15) D - A single referent is assigned two different identifiers in the same namespace. NOTE THIS IS NOT BEST Practice. It creates a disambiguation problem for the referent, but not the identifiers
- ▶ 16) A; B; C; E; G; H; I; L
- ▶ 17) D – All of the others represent semantics that should be avoided
- ▶ 18) B

QUESTION 18 Common logical errors:

Premise 1: Some B are A

Premise 2: No B are C

- All A are C? (no)
  - Not compatible with any of the models!
- No C are A? (yes)
  - Compatible w/1st model, but not 2nd & 3rd
- No A are C? (yes)
  - Compatible w/first model, but not 2nd & 3rd



# PRESENTATION OF AWARDS





QUESTIONS OR  
DISCUSSION  
(IF THERE'S TIME)







# THANK YOU! PARTY ON WITH YOUR FAVORITE PIDS!



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