



ISO/IEC JTC 1/SC 42 "Artificial intelligence"
Secretariat: ANSI
Committee manager: Benko Heather Ms.



JWG 3 Convenor Closing Report - October 2024

Document type	Related content	Document date	Expected action
Meeting / WG report	Meeting: Le Chesnay-Rocquencourt (France) 7 Oct 2024	2024-10-11	INFO

SC 42 (Artificial Intelligence) JWG3 (AI-enabled Health Informatics)

Closing Plenary Report, Versailles, Oct 2024

Shusaku Tsumoto, Convenor SC 42/JWG3

Murase Gen, Secretary, Secretary, SC42/JWG3

Ken Imai and Peter Williams, Eric Sutherland, Editor, SC42/JWG3



SC 42 – Artificial Intelligence

Acknowledgements

- We would like to thank Michael Glickman (TC215 Chair) , Rachel Hawthorn (ISO TC 215 Committee Manager) , Wael William Diab (SC42 Chair) and Heather Benko (SC 42 Committee Manager) for giving us opportunities to open the discussion on AI-enabled Health Informatics.

Agenda

Group Overview and Officers

Meeting History

Progress of Work

Project Status

Key Issues

Plan for the Week

Group Overview and Officers

Scope of ISO/IEC TR18988 - Application of AI technologies in health informatics

This document

- provides an overview of the state of the art of AI-enabled Health (AIHI).
- will describe the properties, factors, available methods and processes relating to the use of AI inside health informatics applications to effectively realize the potential benefits for healthcare use cases.
- will identify use of AI concepts and terms, for purposes of developing AIHI-related standards, such as mapping and categorization.

Project Editors: Peter Williams/Takeshi Imai

Scope of ISO/IEC 22989-2 Information technology — Artificial intelligence — Concepts and terminology — Part 2: Healthcare

This document

- establishes terminology for AI and describes concepts in the field of AI for healthcare.
- can be used in the development of other standards and in support of communications among diverse, interested parties or stakeholders.
- is applicable to all types of organizations (e.g. commercial enterprises, government agencies, not-for-profit organizations).

Project Editor: Eric Sutherland

Officers: Convenor: Shusaku Tsumoto, Secretary: Murase Gen

Meeting History

12th Meeting: Apr 23-24,2024: hybrid 14 members [[Ref: SC42 JWG3 N68](#)]

TR18988, NWIP (22989-2)

13th Meeting: May 21, 2024: online 13 members [[Ref: SC42 JWG3 N71](#)]

TR18988, NWIP (22989-2: 2026), Roadmap

14th Meeting: June 19, 2024: online 8 members [[Ref: SC42 JWG3 N74](#)]

TR18988, Roadmap

15th Meeting: July 20, 2024 : online 14 members [[Ref: SC42 JWG3 N80](#)]

TR18988, Roadmap

16th Meeting: July 30, 2024 : online 12 members [[Ref: SC42 JWG3 N87](#)]

TR18988, Roadmap

17th Meeting: Sep 18, 2024: online 13 members [[Ref: JWG N58](#)]

TR18988, 22989-2:2026

18th Meeting: Oct 07-10,2024: hybrid 18 members

TR 18988, 22989-2:2026, Roadmap

Progress of Work – Assigned Tasks

Roadmapping

- Collaboration with WG4 on ISO/IEC TR 42109: Use cases of human-machine teaming and agreement to provide additional healthcare use cases
- Standard for healthcare domain use of ISO/IEC 42001:2023 and ISO/IEC DIS 42005. NWIP is in development with input from TC215 and TC210 and other liaison organisations.
- Confirmed availability of project lead for NWIP development for Technical Report on generalizability of AI models to new populations in healthcare

Progress of Work – Assigned Tasks [2]

TR18988 – Detailed review of content and sources and further assignment of development of content to members. Requesting 12 month extension (resolution to follow) but anticipate delivery in advance of that timeframe.

22989-2: 2026 – Resolved NMB concerns identified in supporting Form 4. Confirmed approach, membership, liaisons and governance for project with initial project team meeting to be held within next month

Resolution

RECOMMENDATION X.3 – Deadline Extension

JWG 3 requests SC42 to extend the deadline of TR18988 from 24 months to 36 months: 2025 Apr to 2026 Apr



SC 42 – Artificial Intelligence