



NSAI

Innovation Management System

ISO 56000 Series

ISO 56000 SERIES



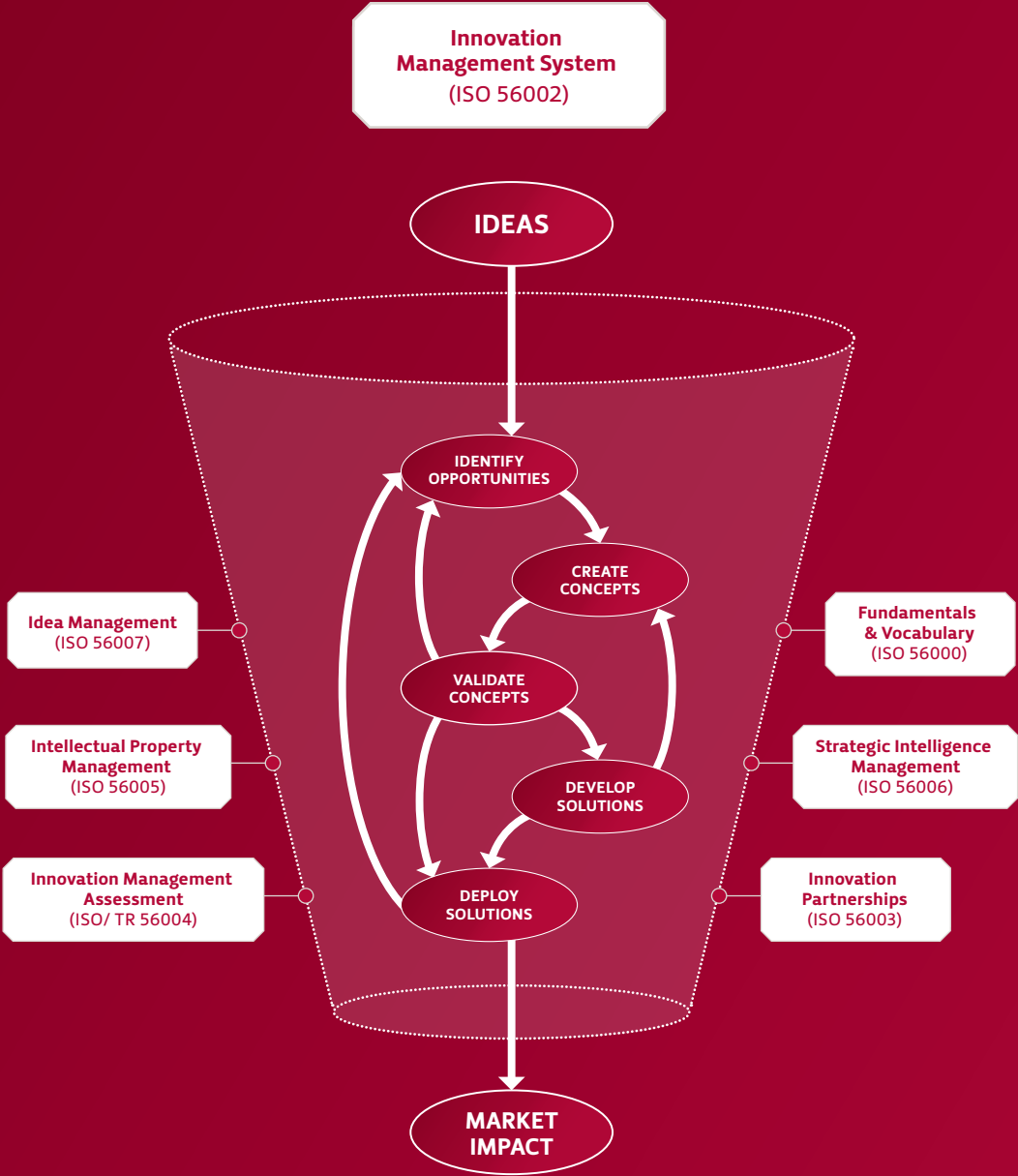
Innovation is key to global competitiveness, productivity and human and technological progress. An organisation's ability to innovate is widely recognised as a key factor for sustained profitable growth and economic viability, enabled by increased sales of innovative solutions for customers across competitive global markets.

The innovation capabilities of an organisation include the ability to understand and respond to changing conditions of its context, to pursue new opportunities, and to leverage the knowledge and creativity of people within the organisation, and in collaboration with external stakeholders and partners.

The new ISO 56000 Series of guidance standards on Innovation Management has been developed by innovation experts from across the world. It provides international best practice on the systematic management of innovation activities in organisations of all types, including SMEs. Organisations that pro-actively manage innovation activities as outlined in the ISO 56000 series will ultimately be more likely to take effective action and achieve sustained success by systematically addressing customer needs.

Innovation Management Principles – ISO 56000 Series

1. Realisation of Value
2. Future-focused Leaders
3. Strategic Direction
4. Culture
5. Exploiting Insights
6. Managing Uncertainty
7. Adaptability
8. Systems Approach



ISO 56002: 2019
Innovation Management
Innovation Management System
– Guidance

The ISO 56002 guidance standard provides guidance for the establishment, implementation, maintenance, and continual improvement of an innovation management system for use in all organisations, including SMEs.

The guidance is generic and intended to be applicable to all types of organisations and all types of innovations e.g. product, service, process, business model and organisational – ranging from incremental to radical innovations.

An organisation can innovate more effectively and efficiently if all necessary activities and other interrelated or interacting elements are managed as a system. An innovation management system guides the organisation to determine its innovation vision, strategy, policy, and objectives, and to establish the support and processes needed to achieve the intended outcomes.

The potential benefits of implementing an innovation management system in accordance with ISO 56002 are:

- increased ability to manage uncertainty
- increased growth, revenues, profitability, and competitiveness
- reduced costs and waste, and increased productivity and resource efficiency
- improved sustainability and resilience
- increased satisfaction of users, customers, citizens, and other interested parties

- sustained renewal of the portfolio of offerings
- engaged and empowered people in the organisation
- increased ability to attract partners, collaborators and funding
- enhanced reputation and valuation of the organisation
- facilitated compliance with regulations and other relevant requirements

ISO 56002 is based on innovation management principles. An innovation management principle includes a statement of the principle, a rationale of why the principle is important for the organisation, some examples of benefits associated with the principle, and finally examples of actions the organisation can take to improve performance when applying the principle.

The following principles are the foundation of the innovation management system:

- realisation of value
- future-focused leaders
- strategic direction
- culture
- exploiting insights
- managing uncertainty
- adaptability
- systems approach

ISO 56002: 2019 was published by ISO in July 2019

“The systematic management of innovation activities is key to sustained competitiveness, productivity and growth.”



ISO 56000 Innovation Management Fundamentals and Vocabulary

ISO 56000 defines consistent vocabulary and terminology used in innovation management. It also explains the core principles behind innovation.

ISO 56000 is intended to help the user by establishing a coherent, consistent, and common framework to:

- understand the main concepts, principles, terms, and definitions of innovation management
- support an organisation to establish, implement, maintain, and continually improve an innovation management system and other innovation management standards
- facilitate communication and create awareness of innovation activities internally and across organisations

ISO 56000 provides the fundamental concepts and innovation management principles, describing why organisations should engage in innovation activities, what are the main concepts regarding innovation, and the principles that an organisation should consider as the basis for the effective management of innovation activities and the foundation of the innovation management system.

The document also describes the necessary terms and definitions to understand innovation and an innovation management system.

Publication due end of 2019

ISO 56003: 2019 Innovation Management Tools and Methods for Innovation Partnership – Guidance

ISO 56003 provides recommendations for engaging in external partnerships to realise innovation. It describes the innovation partnership framework and corresponding tools to:

- decide whether to enter an innovation partnership
- identify, evaluate and select partners
- align the perceptions of value and challenges of the partnership
- manage the partner interactions

Innovation partnerships are developed to create value for each partner working together. Benefits of an innovation partnership include:

- access to knowledge, skills, technology and other intellectual assets that are not available within the organisation and
- access to infrastructure resources, such as experimental laboratories and equipment to develop new or improved product and services

The guidance provided by ISO 56003 is relevant for any type of partnerships and collaborations and it is intended to be applicable to any organisations, regardless of its type, size, product/service provided.

*ISO 56003: 2019 was published by ISO
in February 2019*

ISO 56005 Innovation Management Tools and methods for intellectual property management – Guidance

Effective management of intellectual property (IP) is key to support the process of innovation, is essential for organisations growth and protection, and is one engine of their competitiveness. IP management is becoming increasingly important on a global scale in today's knowledge-based economy - not just for large organisations, but also for Start-ups and SMEs as it enables them to capture the benefits of innovation.

ISO 56005 proposes guidelines for effective IP management within an innovation management system. It aims at addressing the following topics concerning IP management at strategic and operational levels:

- Creating an IP strategy to support innovation in an organisation
- Establishing IP management in the innovation process
- Applying IP tools and methods in the innovation process

This standard can be used for any type of innovation activity.

ISO 56005 is due to be published by ISO in 2021

ISO 56006 Innovation Management Strategic Intelligence Management – Guidance

Strategic intelligence plays a key role in helping organisations to define their strategy in general and their capacity to respond to changes in their external environment in particular. It supports risk reduction as well as being an enabler of strategic growth, as it enhances the decision-making capacity of an organisation.

ISO 56006 aims to provide guidance to Leadership and Top Management on how to implement Strategic Intelligence as support to decisions impacting the vision, mission, and innovation activities within the organisation, and is part of an overall Innovation management system.

ISO 56006:

- provides a methodology for acquiring intelligence from internal and external sources, or for collaborating with interested Parties in the use of relevant tools and methods, e.g. data mining, analytics, prediction, environmental scanning, technology watch
- specifies activities to acquire, collect, interpret, analyse, evaluate, apply, and disseminate the necessary data, information, and knowledge to decision makers and other interested parties
- considers the need for developing influencing activities to increase acceptance of innovation e.g. evolution of regulatory requirements, international standards, innovation ecosystems

All the guidance within ISO 56006 is generic and intended to be applicable to all organisations interested in establishing an internal culture of managing strategic intelligence that requires planning, deployment, measurement and continual improvement, regardless of organisation size, sector or location.

ISO 56006 is due to be published by ISO in 2021

ISO 56007 Innovation Management Idea Management – Guidance

Fundamental to innovation, and to the survival and growth of an organisation, is the generation, selection and development of new ideas. Ideas have the ability to make incremental improvements in the efficiency of an organisation through to prompting re-evaluation of its entire business model.

ISO 56007 provides guidelines for the management of ideas, the people who have them and the benefits they bring. It aims to address idea management at both the strategic and operational level through:

- The culture and leadership of an organisation
- Opportunity and risk management
- Intrapreneurship
- Problem solving
- Tools and methods for managing creativity and ideas

ISO 56007 is applicable to all organisations, regardless of size and activity. It supports the Innovation Management System of ISO 56002, but can also be used by organisations and individuals not implementing such a system.

ISO 56007 is due to be published by ISO in 2022

ISO/TR 65004: 2019 Innovation Management Innovation Management Assessment – Guidance

This ISO Tech Report ISO/TR 56004 provides guidance on why it is beneficial to implement an Innovation Management Assessment (IMA), what you can expect from a good IMA, how to carry it out, and act upon the results of the IMA. It is intended to help the user to understand the:

- value and benefits of carrying out an IMA
- key principles behind a good IMA
- different approaches for an IMA
- IMA process, its steps and impact
- improvement potential for the IMA and, as a result, for the assessed organisation

ISO/TR 56004 is intended to be applicable to all types of organisations, regardless of sector, age, size, or country.

ISO/TR 56004 was published by ISO in February 2019





NSAI

Head Office

1 Swift Square,
Northwood, Santry,
Dublin 9, Ireland
D09 A0E4

Buying Standards

NSAI and International
publications can be accessed by:

W www.standards.ie
T +353 1 857 6730/1
E info@standards.ie