ISO/TMBG/JTCG "Joint technical Coordination Group on MSS"
Convenorship: **ABNT**
Convenor: **Croft Nigel H. Dr.**

Request for comments from NSBs on ISO/TMBG/TF15 "Discovery Report" (Future direction of management system standards)

Document type	Related content	Document date	Expected action
General / Other		2022-09-02	**INFO**

Description

NOTE: This JTCG N-Doc will be circulated by ISO/CS to all ISO Member Bodies for COMMENT, and is being distributed to JTCG Members for information only

The ISO/TMBG/TAG 13 Joint Technical Coordination Group on Management System Standards ("JTCG"), was established by TMB in 2006, as a result of the report "*ISO's Further Involvement In Management System Standards - A Strategy For The Future*" published earlier that year. The JTCG's main purpose is to encourage consistency within ISO's portfolio of management systems standards, which it achieves primarily through its stewardship of Annex SL of the ISO/IEC Directives Part 1. In its role as a coordination body, the JTCG also maintains close communications and relations with the TMB MSS Task Force (TF 2) and may make recommendations to ISO/TMB on MSS-related matters.

Since the publication of the 2006 report the number of MSS has increased dramatically from a mere handful to almost 100 "Type A" (Requirements) and "Type B" (Guidance) standards. During its October 2021 meeting, the JTCG therefore considered it an appropriate time to revisit the overall strategy for ISO's MSS, and established its TF 15 ("Future direction of ISO Management System Standards")

The main objective of TF15 is to develop a JTCG position paper to be submitted to ISO/TMB with proposals for the future direction of ISO's MSS in respect of

▪ their scope,

▪ classification,

▪ architecture and

▪ structure.

TF15's work has been divided into two main phases – a "Discovery" phase (now complete) to be followed (after appropriate feedback from JTCG Member Committees and NSBs) by the preparation of draft recommendations.

We are now circulating the Discovery Phase Report for comment among JTCG Member Committees (TC's, SC's and PC's with responsibility for one or more MSS) and among ISO Member Bodies.

For the Member Body Consultation, we are requesting each Member Body to reply using the following link: https://forms.gle/iVos5zdZENtU7YdX8 after consultation with the relevant interested parties. If there are detailed or more extensive comments than permitted using this Google Forms tool, these can be submitted using the ISO Commenting Template and sent to the TF 15 Secretary, Ms Sally Swingewood (Sally.Swingewood@bsigroup.com)

MEMBER BODIES ARE REQUESTED TO PLEASE REPLY BY OCTOBER 31st 2022

Consultation on the Future Direction of ISO Management System Standards (MSS)

The ISO/TMBG/TAG 13 Joint Technical Coordination Group on Management System Standards ("JTCG"), was established by TMB in 2006, as a result of the report "*ISO's Further Involvement In Management System Standards - A Strategy For The Future*" published earlier that year. The JTCG's main purpose is to encourage consistency within ISO's portfolio of management systems standards, which it achieves primarily through its stewardship of Annex SL of the ISO/IEC Directives Part 1. In its role as a coordination body, the JTCG also maintains close communications and relations with the TMB MSS Task Force (TF 2) and may make recommendations to ISO/TMB on MSS-related matters.

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Future direction of management system standards

Discovery report

FEEDBACK ON THIS DOCUMENT

Feedback is invited from committees, national standards bodies and other interested parties on:

- The accuracy and completeness of this report's description of the current MSS landscape
- The broad areas in which the task force proposes developing potential recommendations
- Any additional broad areas that should be considered for recommendation
- Comments on the specific examples of potential recommendations included in this report (i.e. support for, or concern about a potential proposal)
- How commenters think use of MSS is changing or may change in future, and any significant influences (e.g. ESG considerations and reporting requirements)
- Any additional specific recommendations that the task force should consider

NOTE: The commentary in this document reflects some of the points raised by experts in discussions The commentary does not fully report all views expressed, nor does it imply consensus.

1 Executive summary

This document outlines the key findings and discussion points from the 'discovery phase' of the task force's work. It relates to the existing MSS landscape and the different views on what is and what is not working.

It gives an overview of the current landscape, indicates potential areas for recommendations, and gives examples of points made during discussion to illustrate divergent opinions.

TF15 agree that the harmonized approach provided by Annex SL of the ISO Directives Part 1 is generally useful. There is not yet consensus on how it might evolve to make use of MSS easier and more effective.

There is wide agreement that the terms used for different types of standards are not easily understood and should be reviewed.

There is general concern about the high number of MSS available and the issues this can cause for users. In addition, it has been shown that there is a need to improve governance relating to the approval of new MSS and withdrawal of MSS that are not being widely used.

1 Introduction

In December 2021 a task force was established under the direction of the ISO/TMBG/JTCG to explore the potential future direction of management system standards (MSS).

The task force was established to consider the architecture and structure of the MSS portfolio and to make recommendations to address known and perceived issues including:

- proliferation of MSS and sector versions of widely used MSS (e.g. quality)

- incorrect application of the harmonized approach (ISO Directives Part 1, Annex SL)

- lack of understanding of the distinction between MSS and management standards

38   - perception of MSS being the standards to aspire to – rather than what is best for the user

39   - potential need for an overarching MSS

40   - potential new architecture to cascade generic requirements, topic requirements, and tertiary level
41   (e.g. sector) requirements or guidance

42 Experts representing different MSS and management standards are involved in the task force, and input
43 from users, professional bodies, national standards bodies, regulators, certification bodies and any other
44 interested party is also welcome, for example via social media or email.

45 The work of the task force has been divided into two parts:

46   1. The discovery phase: an exploration of the current landscape, involving evidence gathering and
47   broad discussion of issues.
48   2. The recommendations phase, taking into account views of what does and does not currently work
49   and proposals for potential improvements. The recommendations phase report will be submitted
50   for consideration by ISO/TMB.

51 This report is the output of the discovery phase.

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2 The current landscape

There are currently approximately 50 Type A MSS providing requirements (see Annex B).
There are approximately 40 Type B MSS providing guidance (see Annex C).

Note: Type A MSS are written in a form that enables conformity assessment; Type B MSS are not intended to be used for conformity assessment.

There are currently approximately 10 management standards providing guidance (some still in development) see Annex D (to be developed).

The earliest Type A MSS are all discipline-specific and generic in nature: they can be applied to any type of organization.

Newer Type A MSS include a number of sector specific documents. Some of these (e.g. ISO xxxx) provide additional requirements to a widely used Type A MSS (e.g. ISO 9001). Others are sector specific variations on an existing Type A MSS (e.g. ISO xxx) or requirements for a specific aspect of another Type A MSS (e.g. ISO 14031).

There are also a number of Type A MSS covering several different disciplines for a specific sector and providing requirements for disciplines which may have an established Type A MSS(e.g. ISO 18788).

Table 1: Examples of current ISO MSS and management standards

Deliverable	Req./guide	Discipline
Management standards	Guide	ISO 31000 Risk management ISO 26000 Guidance on social responsibility ISO 37000 Governance of organizations — Guidance
Type A MSS *Horizontal disciplines*	Req.	ISO 9001 Quality management systems – requirements ISO 14001 Environmental management systems – requirements ISO 45001 OH&S management systems – requirements
Type A MSS *Sector + discipline specific*	Req.	ISO 13485 Medical devices – *Quality management systems – Requirements for regulatory purposes* (NOTE: Does not use HLS) ISO 22163 Railway applications – *Quality management systems – Particular requirements for the application of ISO 9001:2015 in the rail sector* ISO 80079-34 Explosive atmospheres – *Application of quality systems for equipment manufacture*
Type A MSS *Sector specific, multi-discipline*		ISO 18788:2015 Management system for private security operations — *Requirements with guidance for use* ISO XXXX Safety and sustainability management systems in commercial shipping on inland waterways – *Requirements with guidance for use* (new work)
Type A MSS *Specialised*	Req.	ISO 30301 Information and documentation – *Management systems for records – Requirements* ISO 34101-1 Sustainable and traceable cocoa beans – *Part 1: Requirements for sustainability management systems*
Type B MSS *application /implementation of Type A*	Guide	ISO/TS 9002 Quality management systems – *application of 9001* ISO 14004 Environmental management systems – *application of 14001*
Type B MSS *establishment, improvement/ enhancement of Type A*	Guide	ISO 18091 Quality management systems – *Guidelines for the application of ISO 9001:2008 in local government* ISO 16158 Geographic information – *Quality assurance of data supply*
Type B MSS *guidance on specific topic requirement related to Type A*	Guide	ISO 14031 Environmental Management — *Environmental Performance Evaluation — Guidelines* ISO 10004 Quality management – *Customer satisfaction – Guidelines for monitoring and measuring*
Type B MSS *other guidance not related to a Type A*	Guide	ISO 9004 Quality management- *Quality of an organization- Guidance to achieve sustained success* ISO 55000 Asset management – *Overview, principles and terminology* ISO 37002 Whistleblowing management systems – *Guidelines*

Table 2: Examples of different MSS and related documents in a Type A family

Type A MSS discipline	MS	Type A MSS	Type B – implementation of Type A	Type B – establishment/ enhancement of Type A	Type B – specific Type A requirement guidance	Other type B	Sector standard	Related documents (not defined as MSS)
Quality	9000 ??	9001	9002	18091		9004	134585	
OH&S	N/A	45001	45002	45003	45004	45006		PAS 45005
Environment	N/A	14001	14004, 14005	14006	14031			
Information security	27005	27001	27003 ??	27010 ??	27014 ??			
Food safety								

Figure 1: Visual representation of the current landscape
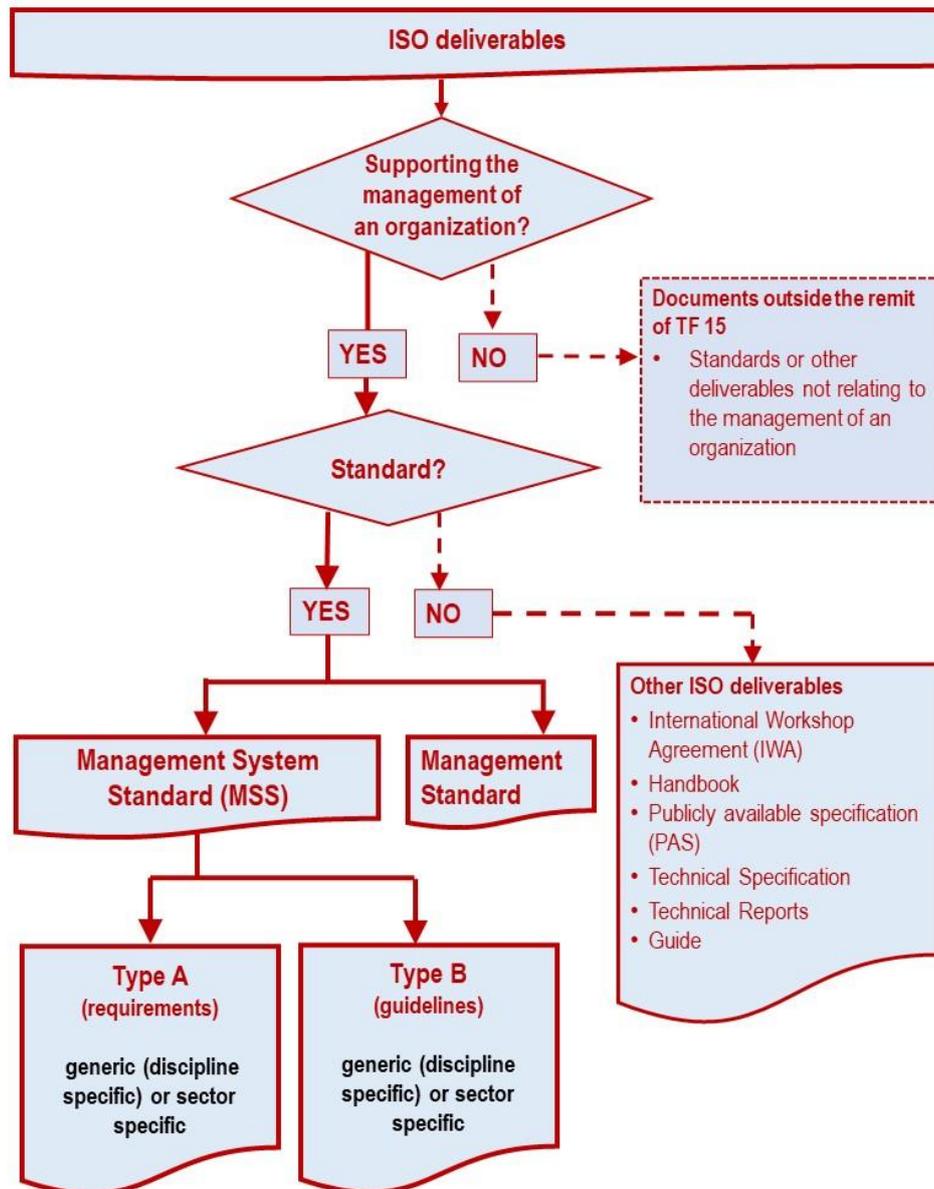
Note: this representation reflects the outcome of TF15's review of the standards landscape. There are some differences between this and the representation on the ISO website at
https://www.iso.org/management-system-standards.html

3 Positive aspects of the current landscape

Annex SL of the ISO Directives Part 1 provides a harmonized approach to MSS. It is generally agreed to be a beneficial approach which assists users in integrating different disciplines into their overarching management system.

Commentary: The TF agreed that the harmonized approach was useful. There was considerable debate on the complexity of language, the level of prescription and its accessibility for different sectors and types of business. Some experts believe it is fine as it is and that there is more a need for educating users, others believe it should be significantly shorter, containing a smaller number of key requirements that cannot be deviated from, and using more accessible language.

The range of MSS, including Type B MSS providing guidance, enables users to choose what best suits their needs.

Commentary: Proliferation of MSS is perceived as a problem but it was acknowledged that the number of MSS being developed indicates some degree of market appetite. However, it was also noted that only a handful of MSS are very widely used with many others having relatively low take up.

The range of guidance documents (Type B MSS) provides a lot of useful information without adding to requirements.

Commentary: Guidance is generally agreed to be valuable however there are differing opinions on whether a guidance standard should be considered to a MSS at all, as many users use the term MSS exclusively to refer to Type A MSS. There have been comments about the soft influence that can be exerted by guidance and how this can be a better way of integrating multiple disciplines or overarching aspects such as risk into other management systems. The majority view in TF15 is that both interpretative guidance (explaining the meaning of a Type A MSS) and implementation guidance (providing recommendations to users as to how to go about developing an MSS compliant with the requirements of a Type A MSS) are valued by users. However a minority view is that implementation guidance should not be permitted.

4 Issues to address

a) The large number of Type A MSS can make it difficult for users to choose what to implement.
   Commentary: Users typically have one overarching organizational management system but MSS are written such that each describes an individual "stand-alone" management system, and do little to articulate how the discipline can be integrated into the business's existing management system. The increasing number of available MSS potentially creates the perception that organizations need to use many MSS and it can be difficult for users to choose what is of most value for their organization.

b) Type A MSS are seen as the highest level of standard, leading to some committees using this format – and the helpful template – when it is inappropriate.
   Commentary: Type B – guidance – can be seen as less important than Type A. Many Type B MSS deal with a specific aspect of a MSS, or a related topic and therefore cannot use the HS as a template. It is harder to write a standard without a structure/language provided in a template.

c) The fixed language used in MSS can be seen as inaccessible and/or in conflict with the usual language used in sectors.
   Commentary: The use of a fixed standards language means that when writing standards for a specific sector we can miss the opportunity to connect more immediately with users by reflecting the terminology and culture of their sector. Core language is necessary to ensure consistency across MSS and assist with integration of MSS but there is a tension between this and the language used in certain sectors or industries. Trying to force ISO language on users is not always well-received; there might be the need for increased communication to explain the meaning of the HS.

d) Despite the harmonized approach, integration of different Type A MSS can be difficult due to deviations and additions made in each standard.
   Commentary: The current core text is subject to a considerable amount of deviation across the Type A MSS. Some MSS are process based and some are control based which means some add more discipline requirements in clause 6 whilst others add mainly to Clause 8. The different language used in different disciplines/sectors can lead to deviations from the common terms which can cause confusion when integrating – e.g. the adoption of the term "worker" as a deviation in ISO 45001. It is possible that a core text, against which no deviations are permitted could of more value to users, as

130 *there would complete consistency across core requirements, and additional requirements could then be written in*
131 *language appropriate for that discipline/sector.*

132

133 e) There is misunderstanding of the different types of standards and considerable overlap.
134 *Commentary: the experts in TF15 do not all agree on what the different standards are, or are intended to be, reflecting*
135 *wider confusion among users. This includes the distinctions between (i) management standards and MSS, (ii) Type A*
136 *requirements and the four different permissible Type B guidance MSS, and (iii) discipline/generic standards and sector*
137 *standards Many people use the term MSS to refer exclusively to Type A requirement specifications. Different sorts of*
138 *deliverables, such as PAS and IWA, are being developed containing content that is equivalent to that of both Type A and*
139 *Type B MSS, but experts and users have limited understanding of what these different document types imply as to their*
140 *provenance and status. There is a lot of support for renaming the types of standards, potentially losing or replacing the*
141 *terms Type A and Type B in the Directives/website etc., and focus on the title of the documents to clearly what the*
142 *standard provides.*

143

144 f) There is inconsistency in how different standards are described in different media (e.g. ISO
145 Directives, website).
146 *Commentary: There are conflicts between website descriptions and definitions in the ISO Directives which need to be*
147 *addressed. There is also some conflict/confusion in the different definitions, which we believe can be fairly easily*
148 *resolved. There may be benefit in putting less emphasis on the different types of standards and more on the*
149 *subjects/disciplines they address to benefit users.*

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152 **5   Potential issues for discussion in the recommendations phase**

153 The following are broad areas in which the task force proposes developing potential
154 recommendations. The potential specific recommendations used to illustrate the broad areas are
155 **examples** only, reflecting some of the ideas proposed by experts. They do not reflect all proposals
156 and they are not agreed. They are included here to illustrate the range of recommendations the task
157 force may explore.

158 a) Strengthen governance to bring coherence to the MSS portfolio, avoid duplication and
159 contradictory messages, and to more rigorously test the business case for the addition and
160 retention of standards in the portfolio.
161 *This could include recommendations such as:*
162   1. tighten the criteria for approval
163   2. implement a post-publication review process to determine if the document is being used/well-received
164   3. set criteria for withdrawal for those which are not
165   4. review MSS portfolio and consolidate where possible to remove duplication, overlap, conflict, etc.
166   5. review and strengthen the effectiveness of the current justification process

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168 *Commentary: There is general agreement that there needs to be stronger governance on the approval process for MSS,*
169 *including more checks for scope creep, overlap and conflict and to ensure that the MSS format is the best for the*
170 *standard being proposed. How this can be done is an ongoing discussion. There is also some concern that there is no*
171 *thorough and evidence-based review of existing standards to see if they should be withdrawn (i.e. are they being used?).*

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173 b) Develop a simpler, more coherent architecture for the MSS portfolio
174 *This could include recommendations such as:*
175   1. make the core MSS requirements provided in the harmonized approach shorter, by focussing only on essential
176   requirements common to all MSS, and do not allow deviation
177   2. clarify how management standards (e.g. ISO 31000) fit into this architecture
178   3. reduce the number of types of possible MSS (consider if only requirement documents should be called MSS)
179   4. create a format where discipline specific requirements follow the harmonized approach but do not repeat the core
180   requirements (consider a template where one or more discipline specific texts and/or sector text can be added to
181   the appropriate clauses of the core text)
182   5. create templates similar to the Annex SL core text for guidance documents and other types of MSS and
183   management standards

184   6.   take into account the potential for digital deliverables (rather than fixed text in traditional PDF or paper formats)
185   that could enable core text and additional requirements for more than one MSS to be presented together as
186   appropriate to the user.

187   *Commentary: There is not yet consensus on how a future architecture for the MSS portfolio might look. Some experts*
188   *are relatively content with the existing architecture and do not see a need for substantial change. Others believe*
189   *shortening and tightening the core requirements could allow more flexibility in language for discipline/sector*
190   *requirements. It could also help and make it easier/cheaper for users if the core text requirements were made available*
191   *separately and not repeated in every document. There is some support for the idea of creating templates for standards*
192   *which are not Type A (or those Type B standards which follow the harmonized approach). Some experts think this would*
193   *help committees choose the best format for their proposed standards rather than always thinking a Type A is the most*
194   *visible/highest status standard.*

197 c) Simplify language and review terms used to increase accessibility and clarity
198   *This could include recommendations such as:*
199   1. Improve naming conventions of different deliverables to make them simpler and more intuitive
200   2. Reduce the number of different types of standards and ensure how they are defined is clear and distinct
201   3. Simplify the language in Annex SL, if possible, to make it more accessible for all users, including small
202   businesses
203   4. Encourage the use of simpler or more industry/sector suitable language in supporting documents (guidance etc.)
204   – use of readability scoring systems?
205   5. Consider adding additional standard language to Annex SL to address trends towards holistic approaches (e.g.
206   standards which reference multiple disciplines such as quality, OHS, environment)
207   6. Consider if the word 'organization' is the right word for all MSS, given there is a growing trend for MSS to be
208   written for use by groups of entities/communities (noting the existing definition covers this but users may not
209   understand that)

210   *Commentary: There is considerable support for developing new more intuitive naming conventions to help user*
211   *understand what each standard is. Whilst many experts believe there is room for simplification of the language used in*
212   *Annex SL not all agree. There is concern that simplification of the language used in MSS could lead to diluting the*
213   *requirements or making them ambiguous. Although many people perceive that MSS are written for use by a single*
214   *legal entity, there is a growing need for MSS to be used by organizations formed by alliances of legal entities,*
215   *communities and society, and some newer MSS are being written in this way. Whilst the definition of 'organization' is*
216   *very broad and allows for use by, for example communities or groups of organizations, the user does not always*
217   *recognize this and may as a result be put off from using the standard. Further guidance might be beneficial.*

219 d) Improve communications and information relating to MSS to ensure consistency and improve user
220   experience

222   *This could include recommendations such as:*
223   1. Ensure ISO website descriptions and text aligns with definitions of different types of MSS and how they are
224   intended to be used
225   2. Provide more information on how to use the MSS family of standards effectively and how to integrate different
226   disciplines
227   3. Provide more tools such as maturity models, self-assessment templates to assist users
228   4. Promote and provide information on the effective use of guidance documents to raise their status

230   *Commentary: There are currently four different Type B MSS permitted "including" those providing guidance on:*
231   *− the use, application or implementation of a Type A MSS (SL.2.5);*
232   *− the establishment, improvement or enhancement of a management system;*
233   *− a specific topic, requirement or set of requirements related to a Type A MSS;*
234   *− other guidance not directly related to a Type A MSS.*
235   *This causes a lot of confusion for users and standards' writers. There is not consensus amongst experts in TF15 about*
236   *which standards fit into each category.*

237   *There is no definition of management standard, however website text is contradictory. For example in one place it states*
238   *that management standards "support the implementation of specific aspects of an organization's management system"*

239   *and in another "Management Standards (MS) support governance and leadership functions, at all levels. … can be*
240   *considered as overarching documents for the sound governance of an organization. Using MSS can be a practical way*
241   *of supporting decisions resulting from the implementation of a management standard."*

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Annex A
Type A MSS

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249 This table reflects the current status of the mapping exercise by TCs and may not yet be complete or fully
250 accurate/agreed.

Standard number	Title	TC/SC	Stage	Doc Type	Type B category	HS	Sector	Sector Application	related Generic Std
28003	Security management systems for the supply chain — Requirements for bodies providing audit and certification of supply chain security management systems	TC 292 (WG 8)	Published	??		No	Security, Safety and Risk	No	28000
27005	Information technology — Security techniques — Information security risk management	JTC 1/SC 27	Published	Management Standard			Information Technology, Graphics and Photography	Sect. Appl.	31000
23894	Information technology - Artificial intelligence - Risk management	JTC 1/SC 42	Under development	Management Standard			Information Technology, Graphics and Photography	Sect. Appl.	31000
31000	Risk management -- Guidelines	TC 262	Published	Management Standard			Security, Safety and Risk		
37000	Governance of organizations — Guidance	TC 309	Published	Management Standard			Business Management and Innovation		
37004	Governance maturity model - Guidance for organizations	TC309	Under development	Management Standard			Business Management and Innovation		37000
37005	Governance of organizations - Selecting, Creating and Using Indicators - Guidance for Governing Bodies	TC309	Under development	Management Standard			Business Management and Innovation		37000

Number	Title	Committee	Status	Type		Category		Related
37006	Indicators of Effective Organizational Governance - Guidance	TC309	Under development	Management Standard		Business Management and Innovation		37000
37007	Corporate Governance - Guidelines for efficiency measurement	TC309	Under development	Management Standard		Business Management and Innovation		37000
26000	Guidance on social responsibility	TMB	Published	Management Standard		Horizontal Subjects		
IWA 31	Risk management — Guidelines on using ISO 31000 in management systems	TMB	Published	Management Standard		Security, Safety and Risk		31001
27001	Information technology -- Security techniques -- Information security management systems -- Requirements	JTC 1/SC 27	Published	Type A	HS	Information Technology, Graphics and Photography		
27701	Information technology -- Security techniques -- Enhancement to ISO/IEC 27001 for privacy management -- Requirements	JTC 1/SC 27	Published	Type A		Information Technology, Graphics and Photography	Sect. Appl.	27001
20000-1	Information technology -- Service management -- Part 1: Service management system requirements	JTC 1/SC 40	Published	Type A	HS	Information Technology, Graphics and Photography		
42001	Information Technology — Artificial intelligence — Management System	JTC 1/SC 42	Under development	Type A	HS	Information Technology, Graphics and Photography		
19770-1	Information technology -- IT asset management -- Part 1: IT asset management systems -- Requirements	JTC 1/SC 7	Published	Type A	HS	Information Technology, Graphics and Photography		

14298	Management system of security printing processes	TC130/ WG10	Published	Type A		HS	Information Technology, Graphics and Photography		
16000-40	Indoor air -- Part 40: Indoor Air Quality Management System	TC 146/SC 6	Published	Type A		HS	Sustainability and Environment		
54001	Quality management systems -- Particular requirements for the application of ISO 9001:2015 for electoral organizations at all levels of government	TC 176	Published	Type A		HS	Business Management and Innovation	Sect. Appl.	9001
9001	Quality management systems -- Requirements	TC 176/SC 2	Published	Type A		HS	Business Management and Innovation		
10012	Measurement management systems -- Requirements for measurement processes and measuring equipment	TC 176/SC 3	Published	Type A			Business Management and Innovation		
25424	Sterilization of health care products — Low temperature steam and formaldehyde — Requirements for development, validation and routine control of a sterilization process for medical devices	TC 198	Published	Type A			Health, Medicine and Laboratory Equipment		
14001	Environmental management systems -- Requirements with guidance for use	TC 207/SC 1	Published	Type A		HS	Sustainability and Environment		
13485	Medical devices -- Quality management systems -- Requirements for regulatory purposes	TC 210	Published	Type A			Health, Medicine and Laboratory Equipment		
35001	Laboratory biorisk management system -- Requirements	TC 212	Published	Type A		HS	Health, Medicine and Laboratory Equipment		
46001	Water efficiency management systems -- Requirements with guidance for use	TC 224	Published	Type A		HS	Services		

21101	Adventure tourism -- Safety management systems -- Requirements	TC 228	Published	Type A		HS	Services		
21401	Accommodation facilities -- Sustainability management system -- Requirements	TC 228	Published	Type A		HS	Services		
21001	Educational organizations -- Management systems for educational organizations -- Requirements with guidance for use	TC 232	Being revised	Type A		HS	Services		
39001	Road traffic safety (RTS) management systems - Requirements with guidance for use	TC 241	Published	Type A		HS	Transport		
55001	Asset management -- Management systems -- Requirements	TC 251	Published	Type A		HS	Business Management and Innovation		
30401	Human resource management -- Knowledge management systems -- Requirements	TC 260	Published	Type A		HS	Business Management and Innovation		
41001	Facility management -- Management systems -- Requirements with guidance for use	TC 267	Published	Type A		HS	Building and Construction	Sect. Appl.	
37101	Sustainable development in communities -- Management system for sustainable development -- Requirements with guidance for use	TC 268	Published	Type A		HS	Sustainability and Environment		

22163	Railway applications -- Quality management systems -- Particular requirements for the application of ISO 9001:2015 in the rail sector	TC 269	Being revised	Type A		HS	Transport	Sect. Appl.	9001
56001	Innovation management - Innovation management system - Requirements	TC 279	Under development	Type A		HS	Business Management and Innovation		
45001	Occupational health and safety management systems -- Requirements with guidance for use	TC 283	Published	Type A		HS	Security, Safety and Risk		
44001	Collaborative business relationship management systems -- Framework	TC 286	Published	Type A		HS	Business Management and Innovation		
18788	Management system for private security operations -- Requirements with guidance for use	TC 292	Published	Type A		HS	Security, Safety and Risk		
22301	Societal security -- Business continuity management systems --- Requirements	TC 292 (WG 2)	Published	Type A		HS	Security, Safety and Risk	No	
28000	Security and resilience – Security management systems –Requirements	TC 292 (WG 8)	Published	Type A		HS	Security, Safety and Risk		
28001	Security management systems for the supply chain -- Best practices for implementing supply chain security, assessments and plans -- Requirements and guidance	TC 292 (WG 8)	Published	Type A		No	Security, Safety and Risk	No	28000
31101	Robotics — Services provided by service robots — Safety management systems — Requirements	TC 299	Under development	Type A		HS	Security, Safety and Risk		
50001	Energy management systems -- Requirements with guidance for use	TC 301	Published	Type A		HS	Energy		
7101	Global Health Quality	TC 304	Under development	Type A		HS	Health, Medicine and Laboratory Equipment		9001

37001	Anti-bribery management systems -- Requirements with guidance for use	TC 309	Published	Type A		HS	Business Management and Innovation		
37301	Compliance management systems -- requirements with guidance for use	TC 309	Published	Type A		HS	Business Management and Innovation		
34700	Animal welfare management -- General requirements and guidance for organizations in the food supply chain	TC 34	Published	Type A			Food and Agriculture		
22000	Food safety management systems -- Requirements for any organization in the food chain	TC 34/SC 17	Published	Type A		HS	Food and Agriculture		
34101-1	Sustainable and traceable cocoa beans -- Part 1: Requirements for sustainability management systems	TC 34/SC 18	Published	Type A		HS	Food and Agriculture		
30301	Information and documentation -- Management systems for records -- Requirements	TC 46/SC 11	Published	Type A		HS	Information Technology, Graphics and Photography		
29001	Petroleum, petrochemical and natural gas industries -- Sector-specific quality management systems -- Requirements for product and service supply organizations	TC 67	Published	Type A		HS	Mechanical Engineering	Sect. Appl.	9001
15378	Primary packaging materials for medicinal products -- Particular requirements for the application of ISO 9001:2008, with reference to Good Manufacturing Practice (GMP)	TC 76	Published	Type A		HS	Health, Medicine and Laboratory Equipment	Sect. Appl.	9001
28007-1	Ships and marine technology -- Guidelines for Private Maritime Security Companies (PMSC) providing privately contracted armed security personnel (PCASP) on board ships (and pro forma contract) -- Part 1: General	TC 8	Published	Type A			Transport	Sect. Appl.	28000
30000	Ships and marine technology -- Ship recycling management systems -- Specifications for management systems for safe and environmentally sound ship recycling facilities	TC 8	Published	Type A			Transport		
XXXXX	Inland waterways	TC 8/SC 7	Under development	Type A		HS			

19443	Quality management systems -- Specific requirements for the application of ISO 9001 and IAEA GS-R requirements by organizations in the Supply Chain of the Nuclear Energy sector	TC 85	Published	Type A		HS	Energy	Sect. Appl.	9001
20121	Event sustainability management systems -- Requirements with guidance for use	TMB	Published	Type A		HS	Services		
80079-34	Explosive atmospheres -- Part 34: Application of quality systems for equipment manufacture	TMB	Published	Type A		HS	Security, Safety and Risk	Sect. Appl.	9001

251

Annex B
Management standards

254 This table reflects the current status of the mapping exercise by TCs and may not yet be complete or fully
255 accurate/agreed.

27005	Information technology — Security techniques — Information security risk management	JTC 1/SC 27	Published	Management Standard	Information Technology, Graphics and Photography	Sect. Appl.	31000
23894	Information technology - Artificial intelligence - Risk management	JTC 1/SC 42	Under development	Management Standard	Information Technology, Graphics and Photography	Sect. Appl.	31000
31000	Risk management -- Guidelines	TC 262	Published	Management Standard	Security, Safety and Risk		
37000	Governance of organizations — Guidance	TC 309	Published	Management Standard	Business Management and Innovation		

37004	Governance maturity model - Guidance for organizations	TC309	Under development	**Management Standard**	**Business Management and Innovation**		**37000**
37005	Governance of organizations - Selecting, Creating and Using Indicators - Guidance for Governing Bodies	TC309	Under development	**Management Standard**	**Business Management and Innovation**		**37000**
37006	Indicators of Effective Organizational Governance - Guidance	TC309	Under development	**Management Standard**	**Business Management and Innovation**		**37000**
37007	Corporate Governance - Guidelines for efficiency measurement	TC309	Under development	**Management Standard**	**Business Management and Innovation**		**37000**
26000	Guidance on social responsibility	TMB	Published	**Management Standard**	**Horizontal Subjects**		
IWA 31	Risk management — Guidelines on using ISO 31000 in management systems	TMB	Published	**Management Standard**	**Security, Safety and Risk**		**31001**

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Annex C
Type B MSS by category

This table reflects the current status of the mapping and categorization exercise by TCs. It is not yet complete and may contain errors.

27003	Information technology -- Security techniques -- Information security management system -- Guidance	JTC 1/SC 27	Published	**Type B**		**HS**	Information Technology, Graphics and Photography		**27001**
27010	Information technology -- Security techniques -- Information security management for inter-sector and inter-organizational communications	JTC 1/SC 27	Published	**Type B**		**HS**	Information Technology, Graphics and Photography		**27001**
27013	Information technology -- Security techniques -- Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1	JTC 1/SC 27	Published	**Type B**			Information Technology, Graphics and Photography		**27001**
27014	Information technology — Security techniques — Governance of information security	JTC 1/SC 27	Published	**Type B**			Information Technology, Graphics and Photography		**27001**
20000-2	Information technology -- Service management -- Part 2: Guidance on the application of service management systems	JTC 1/SC 40	Published	**Type B**		**HS**	Information Technology, Graphics and Photography		**9001**
90003	Software engineering -- Guidelines for the application of ISO 9001:2008 to	JTC 1/SC 7	Published	**Type B**		**HS**	Information Technology, Graphics and Photography	**Sect. Appl.**	**9001**

	computer software							
18255	Condition Monitoring of Machine Systems - Management of condition monitoring of machine systems	TC 108/SC 5	Under development	Type B		HS	Mechanical Engineering	Sect. Appl.	55002
16106	Packaging -- Transport packages for dangerous goods -- Dangerous goods packagings, intermediate bulk containers (IBCs) and large packagings -- Guidelines for the application of ISO 9001	TC 122/SC 3	Published	Type B			Freight, Packaging and Distribution	Sect. Appl.	9001
18091	Quality management systems -- Guidelines for the application of ISO 9001:2008 in local government	TC 176	Published	Type B	3. Specific topic, requirement (s) related to a Type A	HS	Business Management and Innovation	Sect. Appl.	9001
9002	Quality management systems — Guidelines for the application of ISO 9001:2015	TC 176/SC 2	Published	Type B	1. Use, application, implementation of Type A	HS	Business Management and Innovation		9001
9004	Quality management- Quality of an organization- Guidance to achieve sustained success	TC176/SC 2	Published	Type B	4. Other guidance not directly related to a Type A	No	Business Management and Innovation	No	
10006	Quality management systems — Guidelines for quality management in projects	TC 176/SC 2	Published	Type B	3. Specific topic, requirement (s) related to a Type A		Business Management and Innovation	Sect. Appl.	9001

10004	Quality management -- Customer satisfaction -- Guidelines for monitoring and measuring	TC 176/SC 3	Published	Type B	1. Use, application, implementation of Type A	No	Business Management and Innovation	No	9001
14002-1	Environmental management systems -- Guidance on how to apply ISO 14001: 2015 framework to environmental aspects, environmental topic areas and environmental conditions that affect an organization -- Part 1: General	TC 207/SC 1	Published	Type B	1. Use, application, implementation of Type A		Sustainability and Environment		14001
14002-2	Environmental management systems — Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area — Part 2: Water	TC 207/SC 1	Under development	Type B			Sustainability and Environment		14001
14004	Environmental management systems -- General guidelines on implementation	TC 207/SC 1	Published	Type B	1. Use, application, implementation of Type A	HS	Sustainability and Environment		14001
14005	Environmental management systems -- Guidelines for the phased implementation of an environmental management system, including the use of environmental performance evaluation	TC 207/SC 1	Published	Type B			Sustainability and Environment		14001

14006	Environmental management systems -- Guidelines for incorporating ecodesign	TC 207/SC 1	Published	Type B			Sustainability and Environment		14001
14009	Environmental management system: Guidelines for incorporating redesign of products and components to improve material circulation	TC 207/SC 1	Under developm ent	Type B		HS	Sustainability and Environment		14001
14031	Environmental Management — Environmental Performance Evaluation — Guidelines	TC 207/SC4	Published	Type B	3. Specific topic, requirement (s) related to a Type A	No	Sustainability and Environment	No	14001
14033	Environmental Management — Quantitative Environmental Information — Guidelines and Examples	TC 207/SC4	Published	Type B	3. Specific topic, requirement (s) related to a Type A	No	Sustainability and Environment	No	14001
14063	Environmental Management — Environmental Communication — Guidelines and Examples	TC 207/SC4	Published	Type B	3. Specific topic, requirement (s) related to a Type A	No	Sustainability and Environment	No	14001
14018	ISO/AWI PAS 14018 Guidelines for the remote auditing of environmental management systems	TC 207/SC2	Under Develop ment	Type B	1. Use, application, implementat ion of Type A	No	Sustainability and Environment	No	14001
19158	Geographic information -- Quality assurance of data supply	TC 211	Published	Type B	2. Establishme nt, improvemen t, enhanceme nt of a MS		Information Technology, Graphics and Photography		
24518	Activities relating to drinking water and wastewater services -- Crisis management of water utilities	TC 224	Published	Type B		HS	Security, Safety and Risk		
55000	Asset management – Overview, principles and terminology	TC251	Published	Type B	4. Other guidance not directly related to a Type A	No	Business Management and Innovation	No	55001

55002	Asset management -- Management systems -- Guidelines for the application of ISO 55001	TC 251	Published	Type B	1. Use, application, implementation of Type A	HS	Business Management and Innovation		55001
TS 55010	Asset management — Guidance on the alignment of financial and non-financial functions in asset management	TC251	Published	Type B	4. Other guidance not directly related to a Type A	No	Business Management and Innovation	No	55001
55011	Asset management – Guidance for development and application of public policy to enable asset management	TC251	Under Development	Type B	4. Other guidance not directly related to a Type A	No	Business Management and Innovation	No	55001
55012	Asset management - Guidelines for people involvement and competence	TC251	Under Development	Type B	4. Other guidance not directly related to a Type A	No	Business Management and Innovation	No	55001
55013	Asset management - Guidance on the management of Data Assets	TC251	Under Development	Type B	4. Other guidance not directly related to a Type A	No	Business Management and Innovation	No	55001
56002	Innovation management - Innovation management system - Guidance	TC 279	Published	Type B		HS	Business Management and Innovation		
45002	Occupational health and safety management systems — General guidelines for the implementation of ISO 45001:2018	TC 283	Under development	Type B	1. Use, application, implementation of Type A	HS	Security, Safety and Risk		45001
44002	Collaborative business relationship management -- Guidelines on the implementation of ISO 44001	TC 286	Published	Type B		HS	Business Management and Innovation		44001
22313	Societal security -- Business continuity management systems -- Guidance	TC 292 (WG 2)	Published	Type B	1. Use, application, implementation of Type A	HS	Security, Safety and Risk		22301

28004-1	Security management systems for the supply chain -- Guidelines for the implementation of ISO 28000 -- Part 1: General principles	TC 292 (WG 8)	Published	**Type B**	1. Use, application, implementation of Type A	**No**	Security, Safety and Risk	**No**	**28000**
28004-3	Security management systems for the supply chain -- Guidelines for the implementation of ISO 28000 -- Part 3: Additional specific guidance for adopting ISO 28000 for use by medium and small businesses (other than marine ports)	TC 292 (WG 8)	Published	**Type B**	1. Use, application, implementation of Type A	**No**	Security, Safety and Risk	**No**	**28000**
28004-4	Security management systems for the supply chain -- Guidelines for the implementation of ISO 28000 -- Part 4: Additional specific guidance on implementing ISO 28000 if compliance with ISO 28001 is a management objective	TC 292 (WG 8)	Published	**Type B**	1. Use, application, implementation of Type A	**No**	Security, Safety and Risk	**No**	**28000**
50004	Energy management systems -- Guidance for the implementation, maintenance and improvement of an energy management system	TC 301	Published	**Type B**	1. Use, application, implementation of Type A		Energy		**50001**
50005	Energy management systems -- Modular implementation of the energy management system ISO 50001 including the use of energy performance evaluation techniques	TC 301	Under development	**Type B**			Energy		**50001**

50009	Guidance for multiple organizations implementing a common (ISO50001) EnMS	TC 301	Under development	**Type B**			Energy		**50001**
37002	Whistleblowing management systems -- Guidelines	TC 309	Published	**Type B**	2. Establishment, improvement, enhancement of a MS	**HS**	Business Management and Innovation		**37001**
37003	Fraud Control Management Systems – Guidance for organizations responding to the risk of fraud	TC309	Under development	**Type B**	4. Other guidance not directly related to a Type A		Business Management and Innovation		**37000**
37008	Internal Investigations of Organization - Guidance	TC309	Under development	**Type B**	3. Specific topic, requirement(s) related to a Type A				**37001**
22006	Quality management systems -- Guidelines for the application of ISO 9001:2008 to crop production	TC 34	Published	**Type B**	1. Use, application, implementation of Type A		Food and Agriculture	**Sect. Appl.**	**9001**
30302	Information and documentation -- Management systems for records -- Guidelines for implementation	TC 46/SC 11	Being revised	**Type B**			Information Technology, Graphics and Photography		**30301**
28004-2	Security management systems for the supply chain -- Guidelines for the implementation of ISO 28000 -- Part 2: Guidelines for adopting ISO 28000 for use in medium and small seaport operations	TC 8	Published	**Type B**			Transport		**28000**

30004	Ships and marine technology — Ship recycling management systems — Guidelines for the implementation of ISO 30000	TC 8	Published	Type B			Transport	
4450	Quality management systems — Recommendations for the application of ISO 19443	TC 85	Published	Type B		HS	Energy	Sect. Appl.	9001
10377	Consumer product safety -- Guidelines for suppliers	TMB	Published	Type B			Security, Safety and Risk	
10393	Consumer product recall -- Guidelines for suppliers	TMB	Published	Type B			Security, Safety and Risk	

266