

# **Update On Revised of ISO Management System Standards Feb 2024**

## **Auditing on the Inclusion of CLIMATE CHANGE in ISO Management System Standards**

**Mohammad Hamidi Bin Yusop**

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# IAF-ISO Joint Communiqué on Addition of Climate Change Considerations to MSS

On 22 February 2024, IAF and the International Organization for Standardization (ISO) published [a joint communiqué](#) to highlight the upcoming publication of Climate Action Amendments to new and existing ISO management systems standards.

Two new statements are being added to a number of existing management systems standards, and will be included in all new standards under development/revision, to address the need to consider the effects of climate change on the ability to achieve the intended results of the management system. The changes are being introduced initially as Amendments to these published standards.

The IAF Technical Committee (TC) has published a response to the changes as an official decision, to clarify the impact of the Amendments on accreditation bodies, certification bodies and certified organizations.

The abstract is as follows:

***IAF Final Decision following 30 days consultation  
Addition of Climate Change notes to the Management Systems Standards***

# Additional **CLIMATE CHANGE** statement in the ISO Management Standards

- **4.1 Understanding the organization and its context.**
- The organization shall determine external and internal issues that are relevant to its purpose and that affect its ability to achieve the intended result(s) of its XXX management system.
- **Added: The organization shall determine whether climate change is a relevant issue.**
  
- **4.2 Understanding the needs and expectations of interested parties.**
- The organization shall determine:
  - the interested parties that are relevant to the XXX management system.
  - the relevant requirements of these interested parties.
  - which of these requirements will be addressed through the XXX management system.
- **Added: NOTE: Relevant interested parties can have requirements related to climate change.**



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# International Standard



## ISO 9001

### Quality management systems — Requirements

#### AMENDMENT 1: Climate action changes

*Systèmes de management de la qualité — Exigences*

*AMENDEMENT 1: Actions relatives aux changements climatiques*

**Fifth edition  
2015-09-15**

**AMENDMENT 1  
2024-02**

## Quality management systems — Requirements

### AMENDMENT 1: Climate action changes

#### 4.1

Add the following sentence at the end of the subclause:

The organization shall determine whether climate change is a relevant issue.

#### 4.2

Add the following note at the end of the subclause:

NOTE Relevant interested parties can have requirements related to climate change.



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**Environmental management systems —  
Requirements with guidance for use**

**AMENDMENT 1: Climate action changes**

*Systèmes de management environnemental — Exigences et lignes  
directrices pour son utilisation*

*AMENDEMENT 1: Actions relatives aux changements climatiques*

**International  
Standard**

**ISO 14001**

**Third edition  
2015-09-15**

**AMENDMENT 1  
2024-02**



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## **Environmental management systems — Requirements with guidance for use**

### **AMENDMENT 1: Climate action changes**

#### **4.1**

Add the following sentence at the end of the subclause:

The organization shall determine whether climate change is a relevant issue.

#### **4.2**

Add the following note at the end of the subclause:

**NOTE** Relevant interested parties can have requirements related to climate change.

# Inclusion Climate Change in ISO Management System Standards



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1. ISO 14298:2021
2. ISO 16000-40:2019
3. ISO 22163:2023
4. **ISO 22301:2019 - BCMS**
5. ISO 28000:2022
6. ISO 29001:2020
7. ISO 30301:2019
8. ISO 34101-1:2019
9. ISO 35001:2019
10. **ISO 37301:2021 – COMPLIANCE MS**
11. ISO 46001:2019
12. **ISO/IEC 27001:2022 - ISMS**
13. ISO 21401:2018
14. ISO 30401:2018
15. ISO 50001:2018
16. **ISO/IEC 20000-1:2018 - ITSMS**
17. ISO 19443:2018
18. ISO/IEC 19770-1:2017
19. **ISO 21001:2018 - EOMS**
20. **ISO 37001:2016 - ABMS**
21. **ISO 41001:2018 – FACILITIES MS**
22. ISO 44001:2017
23. ISO 14001:2015
24. ISO 15378:2017
25. **ISO 18788:2015 - SOMS**
26. **ISO 21101:2014 – ADVENTURE TOURISM**
27. ISO 22000:2018
28. ISO 37101:2016
29. ISO 39001:2012
30. **ISO 45001:2018 - OSHMS**
31. **ISO 90001:2015 – QMS**
32. **ISO 14001:2015 – ENVIRONMENTAL MS**

# Possible evidence to be reviewed

External and internal issue

Interested parties' expectation

Risk & opportunities assessment

Action taken to address risk or opportunities

# IQNET White Paper On the inclusion of considerations on climate change to Management System Standards

# Expectations on Certification Bodies

- **Certification Bodies should already be ensuring that all internal and external issues have been determined by the organization as relevant or not and if so, considered in the development and effectiveness of the management system(s), as required by clauses 4.1 and 4.2.**
- **If determined to be a relevant issue for its management system, included in any objectives and mitigation activities by the organization, as required.**
- **If it was considered not to be a relevant issue by the organization for its management system, the CB is expected to ensure the effectiveness of the organization's process to make this determination and implementing related actions, when applicable.**

# Significant climate change issues - QMS

ISSUES	DESCRIPTION
Supply Chain Disruptions	<ul style="list-style-type: none"><li>• extreme weather events such as floods, droughts, and storms</li><li>• affect the ability to consistently provide products and services</li></ul>
Resource and ecosystem services availability	<ul style="list-style-type: none"><li>• impact the availability of natural resources, crucial for production processes</li><li>• ensure the efficient use of resources and to maintain product quality.</li></ul>
Regulatory Compliance	to ensure complies with evolving regulatory requirements to avoid legal issues, ensure compliance and maintain their reputation.
Customer Requirements and Expectations:	Customers are becoming more environmentally conscious and expect businesses to adopt sustainable practices

# Significant climate change issues – Environmental Management System

ISSUES	DESCRIPTION
Increased Regulatory Requirements	<ul style="list-style-type: none"> <li>As governments worldwide implement more stringent regulations to combat climate change</li> <li>certified organizations may need to adjust to ensure compliance.</li> </ul>
Resource and ecosystem services Scarcity and Cost Increases	<ul style="list-style-type: none"> <li>Scarcity of resources, such as water and raw materials, and increase the costs of energy and inputs.</li> <li>affect the economic aspects of environmental management</li> <li>adapt their processes and find more sustainable and cost-effective solutions</li> </ul>
Shift in Environmental Priorities:	<ul style="list-style-type: none"> <li>focus on reducing greenhouse gas emissions, enhancing energy efficiency, and promoting renewable energy sources</li> <li>need to adjust their EMS to align with these shifting priorities</li> </ul>
Increased Difficulty in Achieving Targets	<ul style="list-style-type: none"> <li>an organization aiming to reduce water usage might find it increasingly difficult during prolonged droughts.</li> <li>require more robust planning and adaptive management strategies</li> </ul>

# Significant climate change issues – Environmental Management System

ISSUES	DESCRIPTION
Operational Adjustments and Opportunities	<ul style="list-style-type: none"><li>• modifying processes to reduce water usage during drought conditions increasing energy efficiency to lower greenhouse gas emissions.</li><li>• opportunities: the development of new, environmentally friendly products or services.</li></ul>
Supply Chain Management	<ul style="list-style-type: none"><li>• affecting the availability of raw materials and the environmental performance of suppliers.</li><li>• need to work with their suppliers to improve environmental performance. involve re-evaluating suppliers based on their ability to manage climate risks and their commitment to reducing carbon footprints.</li></ul>

# Significant climate change issues - OSHMS

ISSUES	DESCRIPTION
Increased Occupational Hazards	<ul style="list-style-type: none"><li>• lead to more extreme weather events like heatwaves, cold snaps, storms, and floods.</li><li>• can increase the risk of work-related injuries or illnesses.</li><li>• outdoor workers might face a higher risk of heatstroke during heatwaves or injuries during extreme weather events.</li></ul>
Changing Work Environments	<ul style="list-style-type: none"><li>• certain industries may need to adapt their working environments.</li><li>• industries like agriculture, construction, and fishing might face new safety challenges due to altered weather patterns and environmental conditions.</li></ul>
Workforce Health and Well-being	<ul style="list-style-type: none"><li>• can affect the physical and mental health of workers. increased temperatures can lead to heat stress</li><li>• poor air quality due to wildfires or pollution can exacerbate respiratory conditions.</li></ul>

# Significant climate change issues - OSHMS

ISSUES	DESCRIPTION
Emergency Preparedness and Response	<ul style="list-style-type: none"><li>• can increase the frequency and severity of natural disasters, to enhance their emergency preparedness and response plans.</li><li>• includes planning for evacuation, emergency medical care, and disaster recovery to ensure worker safety.</li></ul>
Regulatory Compliance	<ul style="list-style-type: none"><li>• may be new regulations and standards relating to environmental protection and worker safety.</li><li>• OHSMS complies with these changing regulations.</li></ul>
Worker Training and Awareness	Workers need to be trained and made aware of the new risks associated with climate change
Psychosocial Risks	stress or anxiety due to the increased frequency of natural disasters or concerns about future livelihoods, particularly in climate-sensitive industries.

# Significant climate change issues - ABMS

ISSUES	DESCRIPTION
Increased Risk in High-Impact Sectors	energy, tourism, agriculture, and construction, may face increased bribery risks. As these sectors adapt to climate change (e.g., through new infrastructure projects or shifts in energy sources)
Regulatory Changes and Compliance	a surge in environmental regulations and green initiatives. The process of adapting to these new regulations may induce additional anti-bribery related risks
Emergency Response and Relief Efforts	Climate-related disasters like floods, hurricanes, and wildfires often require rapid response and reconstruction efforts. In such situations, additional risks may need to be heightened
Supply Chain Vulnerabilities	Can disrupt supply chains and create scarcity of resources, leading to increased related risks in the procurement process.

# Significant climate change issues - ABMS

ISSUES	DESCRIPTION
Resource Allocation and Funding for Climate Initiatives	As organizations allocate more resources to combat climate change, there may be a potential for increased risks related to the distribution of these funds.
Projects Related to Climate Change	Projects that involve environmental impact assessments, green technology implementation, or climate change mitigation can be complex and high-value, potentially increasing or posing additional risks.

# Significant climate change issues - ISMS

ISSUES	DESCRIPTION
Physical Security and Infrastructure	<ul style="list-style-type: none"><li>• lead to more frequent and severe weather events like floods, storms, or wildfires, which can physically threaten IT infrastructure</li><li>• additional considerations for protecting physical assets against these environmental threats may be required.</li></ul>
Disaster Recovery and Business Continuity	<ul style="list-style-type: none"><li>• Risks related to environmental disasters may require a more robust disaster recovery and business continuity planning.</li><li>• incorporate strategies for maintaining information security in the event of disruptions caused by climate-related disasters.</li></ul>
Supply Chain Security	<ul style="list-style-type: none"><li>• can disrupt supply chains, including those for IT hardware and services</li><li>• ensuring that information security is not compromised by supply chain vulnerabilities.</li></ul>

# Significant climate change issues - ISMS

ISSUES	DESCRIPTION
Energy Management and Efficiency:	<ul style="list-style-type: none"><li>• growing emphasis on energy efficiency and sustainability in IT operations.</li><li>• may include the use of green data centers, energy-efficient hardware, and sustainable IT practices.</li></ul>
Regulatory Compliance and Reporting	<ul style="list-style-type: none"><li>• new regulations and reporting requirements related to climate change can emerge.</li><li>• ensure compliance with these regulations, particularly those that have implications for data management and security.</li></ul>
Data Center Location and Design	<p>The choice of location and design of data centers can be influenced by climate change considerations, such as:</p> <ul style="list-style-type: none"><li>• areas less prone to natural disasters</li><li>• designs that minimize environmental impact</li></ul>

# Considerations for Certified Organizations

INITIATIVES	DESCRIPTION
Employee Training and Awareness	include training programs that educate employees about climate-related challenges and changes
Stakeholder Engagement and Communication	Engaging with stakeholders on climate-related compliance issues is crucial
Long-term Strategic Planning	Organizations are to consider long-term contextual trends and issues, including those related to climate change.
Reputation and Brand Value	<ul style="list-style-type: none"><li>• Consumers and investors are increasingly valuing sustainability</li><li>• Taking adequate steps to combat or adapt to climate change.</li></ul>