



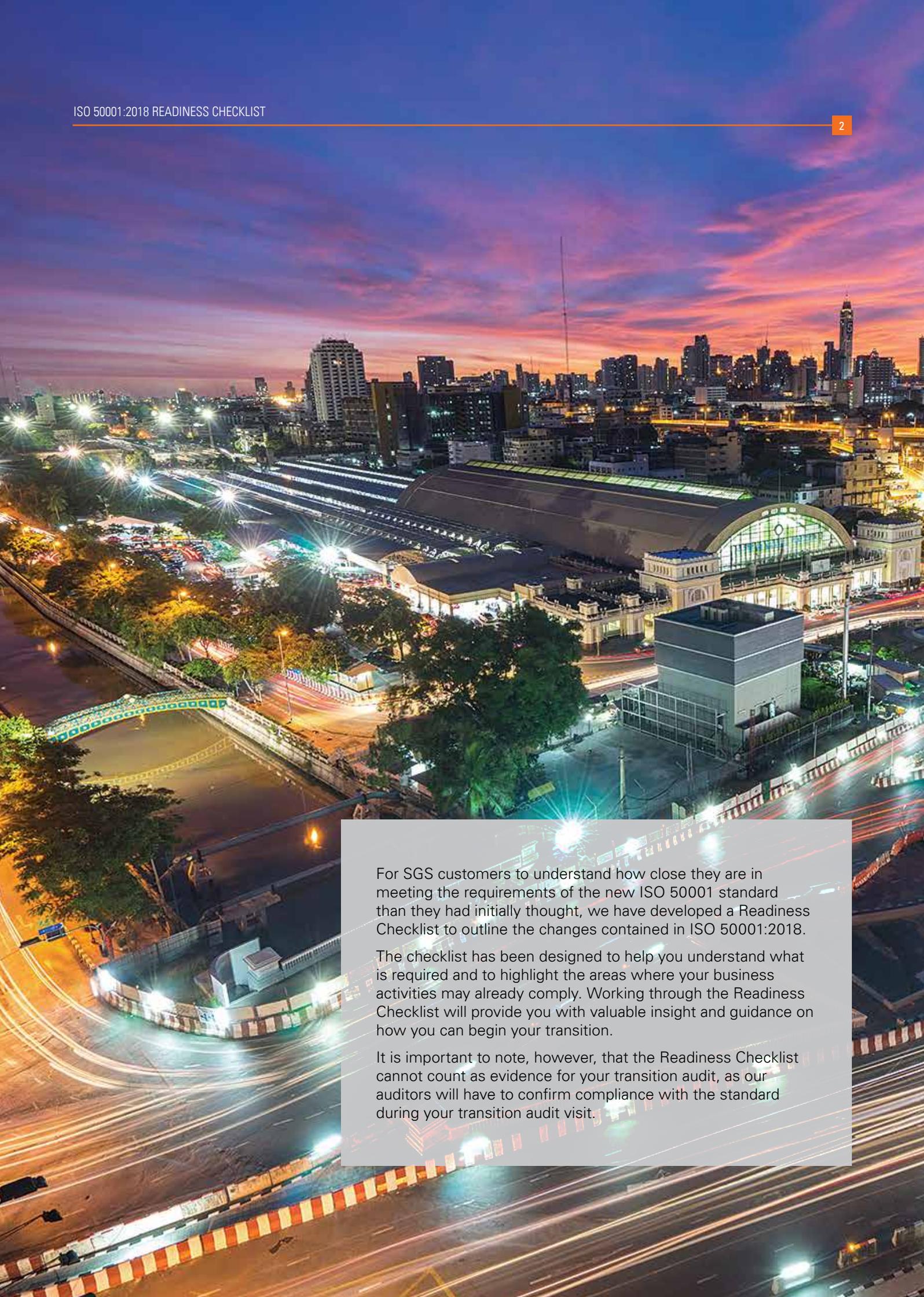
Global energy-related CO2 emissions grew by 1.4% in 2017, reaching a historic high of 32.5 gigatonnes

HOW CAN YOU PREPARE FOR ISO 50001?

ENHANCE YOUR TRANSITION WITH THIS READINESS CHECKLIST

BE THE BENCHMARK





For SGS customers to understand how close they are in meeting the requirements of the new ISO 50001 standard than they had initially thought, we have developed a Readiness Checklist to outline the changes contained in ISO 50001:2018.

The checklist has been designed to help you understand what is required and to highlight the areas where your business activities may already comply. Working through the Readiness Checklist will provide you with valuable insight and guidance on how you can begin your transition.

It is important to note, however, that the Readiness Checklist cannot count as evidence for your transition audit, as our auditors will have to confirm compliance with the standard during your transition audit visit.

HOW DOES THE CHECKLIST WORK?



This checklist breaks each part of the new ISO 50001:2018 requirements down by clause. During each section, you will be asked whether you feel you have fulfilled key elements of the new criteria. You have the choice to mark your response as:

READY

This indicates that you feel you are ready to demonstrate this, and you should look to transition during your next visit from SGS.

NEARLY READY

This indicates that, with guidance or support on this matter, you would be able to demonstrate this. We would recommend looking to transition during your next SGS visit.

WORK TO DO

This option means that there will need to be further preparation for your audit, or perhaps even training with the SGS Academy.

You can find the relevant next steps at the end of the checklist, where you should have a much better idea on how close you are to transitioning.

CLAUSE 4 – CONTEXT OF THE ORGANIZATION

The organizational context will provide a high-level conceptual understanding of the external and internal issues that may impact, either positively or negatively, the energy performance and the EnMS of the organization. The ‘context’ of the organization (sometimes called its business environment) refers to the combination of internal and external factors and conditions that can have an effect on an organization’s approach to its energy performance.

4. CONTEXT OF THE ORGANIZATION			
Have you considered	READY	NEARLY READY	WORK TO DO
The external and internal context issues?			
The ability that affect your organization to achieve the intended outcome(s) of your EnMS and to improve your energy performance?			
The information obtained from the energy review when determining organizational context?			
Boundaries and/or limits on the applicability of your EnMS?			
Identifying, monitoring and reviewing the relevant internal and external issues of your organization to establish whether the impact of any changes to them will affect your EnMS?			
Identifying the ‘interested parties’ that are relevant to your energy performance and EnMS?			
Identifying the risk and opportunities for deviating from energy performance?			
Identifying what requirements these interested parties themselves have, which are relevant to your EnMS?			
Continually monitoring and reviewing these interested parties?			
The applicable legal and other requirements related to your energy use, energy consumption, and energy efficiency?			
Adopting a process approach when developing, implementing and improving the effectiveness of your EnMS?			
Establishing the scope of your EnMS?			

CLAUSE 5 – LEADERSHIP

Your top management is now required to demonstrate a greater direct involvement in your organization’s EnMS. There is now an emphasis on ‘leadership’ rather than management. The removal of the need for a specific ‘Management Representative’ is partly an attempt to ensure that ‘ownership’ of your organization’s EnMS is not simply focused on an individual person. This does not mean that they must perform all the activities themselves, but they are accountable for ensuring that they are performed. Although the requirements in relation to your organization’s Energy Policy are broadly the same as the previous version, there are some new elements that now require that your organization’s energy policy is appropriate to both its purpose and its ‘context’. Energy management and energy performance improvement should align with the organization’s business strategy and long-term planning and resource allocation processes.

5. LEADERSHIP AND WORKER PARTICIPATION			
Questions	READY	NEARLY READY	WORK TO DO
Is top management involved in the EnMS preparation and continued review?			
Do they ensure that the Energy Policy is communicated within your organization and to relevant parties?			
Are the EnMS requirements integrated into your organization’s business processes?			
Are responsibilities and authorities assigned and communicated by top management?			
Are these understood within your organization?			
Can top management demonstrate that they			
Have on-going commitment?			
Have ensured the energy policy, objectives, and energy targets established are compatible with the strategic direction of your organization?			
Have leadership actions, active involvement in the EnMS, and retention of EnMS responsibilities?			
Have an on-going allocation of resources?			
Have taken responsibility for emphasizing the importance of conforming to the requirements of your EnMS?			
Ensure that the EnMS is achieving its intended results?			
Drive continual improvement within your organization?			

CLAUSE 6 – PLANNING

Your organization is now required to consider its context, interested parties when planning and implementing the EnMS. You need to focus on the energy performance of the organization and activities instigated to maintain and continually improve energy performance. In the strategic approach, you are required to identify those risks and opportunities that have the potential to impact (positively or negatively) the operation and performance of your EnMS. The tactical approach requires conduct of a major energy review. Although risks and opportunities have to be determined and addressed, there is no requirement for a formal, documented risk management process and you are free to choose the assessment and evaluation mechanism you consider most appropriate.

6. PLANNING			
Questions	READY	NEARLY READY	WORK TO DO
Have you established measurable objectives and targets at relevant functions and levels?			
Are they consistent with your organization’s energy policy?			
Have you reviewed your organization’s activities and processes that can affect energy performance and lead to actions that result in continual improvement of energy performance?			
Have you identified SEUs and energy performance improvement opportunities?			
Have you considered the output of the energy review to identify risks and opportunities and input to the subsequent energy planning process?			
Have you integrated risk management into the strategic planning process?			
Are the EnPIs and energy baseline appropriate for measuring and monitoring its energy performance and enable to demonstrate energy performance improvement?			
Have you established energy measurement plan for which data to collect, how to collect it and how often to collect?			

CLAUSE 7 – SUPPORT

You now need to consider the supplementary ‘soft’ tools that assist in the delivery of an effective management system. If you have already implemented management systems of any type, you will be familiar with these concepts as they cover the traditional areas of resources, training, communication, documents and records, but have been repackaged to meet the concepts and themes of the revised standard.

7. SUPPORT			
Questions	READY	NEARLY READY	WORK TO DO
Have you determined and provided the resources needed for the establishment, implementation, maintenance and continual improvement of the EnMS and energy performance?			
Have you determined and maintained the knowledge obtained by your organization to ensure that your organization can control your energy performance and EnMS?			
Can you demonstrate that you have determined the competency requirements for personnel relate to your organization’s SEUs?			
Have you retained documented information to demonstrate that all personnel under your control are competent?			
Have you determined internal and external communications activities relevant to the EnMS.?			

KEY NOTES

The terms documented procedure and record have both been replaced by the term documented information. You will need to determine the level of documented information necessary to control your EnMS. Control of access to documented information is now a specific requirement and can imply a decision regarding the permission to view the documented information only, or the permission and authority to view and change the documented information.

CLAUSE 8 – OPERATIONS

You are now required to manage SEUs and implement action plans. It allows energy management (SEU) and energy performance improvement (action plans) to be linked to your organization’s business processes (competency, training, communication, operational controls, etc.).

8. OPERATIONS			
Questions	READY	NEARLY READY	WORK TO DO
Are the SEUs and the energy uses related to the energy objectives, targets and action plans effective operational control and maintenance?			
Have you identified opportunities for the improvement of energy performance at the earliest stages of design and throughout the entire design process?			
Have you considered the best available energy efficient techniques, practice and emerging technology trends when designing new, modified or renovated facilities, equipment, systems and processes?			
Have you taken energy implications into account in procurement decisions for energy services, products and equipment?			
Are the procurement specifications, tender and contract documentation including energy performance criteria?			

CLAUSE 9 – PERFORMANCE EVALUATION

You will find monitoring, measurement, analysis and evaluation for energy performance and the EnMS through the implementation of the data collection plan which can evaluate energy performance improvement and the effectiveness of the EnMS. There is no fundamental change in the approach to internal audits.

9. PERFORMANCE EVALUATION			
Questions	READY	NEARLY READY	WORK TO DO
Have you demonstrated the effectiveness of the EnMS by improvements in EnPIs over time, relative to the relevant EnB?			
Have you determined the significant deviation when a departure from a defined or acceptable level of energy performance			

KEY NOTES

The key requirements of the Management Review process remain as before but additional requirements relating to changes in external and internal issues relevant to your EnMS, relevant interested party issues, and the effectiveness of actions taken to address any risks and/or opportunities have been included as inputs.



CLAUSE 10 – IMPROVEMENTS

This is a new section that emphasizes the general need to actively look for opportunities to improve the performance of your EnMS.

10. IMPROVEMENTS			
Questions	READY	NEARLY READY	WORK TO DO
Can you demonstrate that you are actively looking for opportunities to improve the performance of your EnMS?			
There is now an additional requirement for you to address the consequences of non-conformities, which is a recognition that not all its processes and/or activities will represent the same level of risk in terms of your organization’s ability to meet its objectives.			
Can you identify whether any non-conformity could also exist elsewhere within your facilities, equipment, systems and processes or whether they could potentially happen elsewhere?			
Can you demonstrate that you are continually improving the adequacy, suitability and effectiveness of your EnMS?			



GETTING STARTED

Hopefully this ISO 50001:2018 Readiness Checklist has helped you to understand more about the changes of the new standard, and what is required from you to achieve a successful transition. Below is an indication of what your results indicate in terms of your next step.

<p>IF THE MAJORITY (OR ALL YOUR ANSWERS ARE READY (WITH NEARLY READY MAKING UP THE MINORITY):</p>	<p>IF MAJORITY OF YOUR ANSWERS ARE NEARLY READY, WITH A MIX OF READY AND WORK TO DO MAKING UP THE MINORITY:</p>	<p>IF MAJORITY OF YOUR ANSWERS IF MAJORITY OF YOUR ANSWERS ARE WORK TO DO, WITH THE MINORITY SHOWING EITHER READY OR NEARLY READY:</p>
<p>Congratulations!</p> <p>You are ready to book your transition audit with SGS. Please get in contact with SGS regional office, who will be able to help progress your transition.</p>	<p>In this instance, your organization would benefit from a gap analysis to help identify the areas that need to be addressed and to provide practical ways in which this can be achieved. To do this, please contact your SGS Auditor or SGS regional office directly.</p>	<p>It seems there are still some areas of the new standard that you are not quite up to date with yet, but this can be resolved in a variety of ways.</p> <p>SGS Academy</p> <p>The SGS Academy hosts a variety of transition training courses. Aimed at organizations already certified to the various standards. The transition courses last for one day and offer a time-efficient way of understanding the recent changes.</p> <p>SGS Product Expert Consultation</p> <p>Another way to increase your knowledge of the new standard is to schedule a consultation with one of our product experts over the phone.</p> <p>Gap Analysis Audit</p> <p>A gap analysis is a great method of identifying areas that need attention and understanding the ways in which they can be addressed.</p>

RESOURCE MATERIAL TO HELP SUPPORT YOUR TRANSITION

The decision to book your transition audit should be a simple one, however aspects surrounding the publication of a new standard can seem daunting. SGS is committed to making the transition as easy as possible for our customers, and provide continuously updated information and resources on our website.

CONTACT SGS

To know more about ISO 50001:2018 Energy Management Systems, contact us through the following:



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WHEN YOU NEED TO BE SURE

