

2015/SCSC/WKSP2/007

Session: 3

Steel Industry's Challenge Against Climate Change: Cooperative Sectoral Approach (Part 2)

Submitted by: Japan



Multilateral Recognition Arrangement Readiness in ISO 50001: Workshop for Organization and Internal Auditors

Bangkok, Thailand
6-9 April 2015

APEC-ISO50001 Bangkok Workshop

Steel industry's challenge against climate change Cooperative Sectoral Approach

Wednesday/Thursday 8-9 April 2015

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4-DAY WORKSHOP TRAINING FOR INTERNAL AUDITORS (6-9 APRIL 2015) Activities Training Remarks agenda Requirement of ISO50001 Day-1 Mon 6 April Introduction/energy ISO50001 Requirements of ISO50001 Application to Energy system Application of Energy system Day-2 Requirement of management Competencies for third party certification system Requirement of ISO50003 •Energy audit and its benefit •ISO50001 and with other ISO ①日本における省エネ法(温対法)及び ·Energy audit and its benefit Day-3 自主行動計画の中でのPDCA実施 〜各主体の役割⇒事務局による内部監 査機能と主要な経験能力など • Energy Audits and its benefit with using Wed 8 April standard, ISO14404 IS O 50001 and IS O 14404 (9:00~11:15). ·Case study with energy audits ②それらによる、改善支統(ベネフィット) ~世界最高水準のエネルギー効率の 維持発展(鉄鋼だけでなく、経団連・・・) **Presentation**: *Energy Audits and its benefit with using ISO50001 and GHG reduction(11:15-12:00). Group exercise 4: Expected competences for internal auditors. ③事業所のエネルギー効率(CO2原単位、 排出量)の算定方法比較、鉄鋼事例としてのISO14404(国際比較の尺度として・・・・) •What is the expected or required competency Group exercise 5: Developing the for internal auditors? How to identify the personnel in the organization and train the internal audit plan. potential internal auditors; qualification, ペアシンヨハ・協いの、行標定職(共定 方法・算定式、境界、変操係数) ④ 電エネルギー対策(および環境対策) 技術の世界共通リストと地域条件へのカ スママイズ(後側季例と考え方の汎用性) ~具体的な推奨アクション・導入技術 Output sharing. education, working experiences(13:00~14:00 discussion and presentation by group 14:00~15:00). • Developing the internal audits plan for the case study, steel industry (15:15~17:00). •Presentation by each group (16:15~17:00). ⑤各社の活動と業種共通の活動、温暖 Sectorial approach with ISO50001 • Sector activity of ISO50001 and its benefit Day-4 化対策における得失~連携して活動することの意義とその PDCA(GOVERNANCE) Thu 9 April Group exercise 6: (group $\underline{\cdot \text{When the organization will develop the}}$ discussion) IS O 50001 activities across the group company or sector activity, what point will

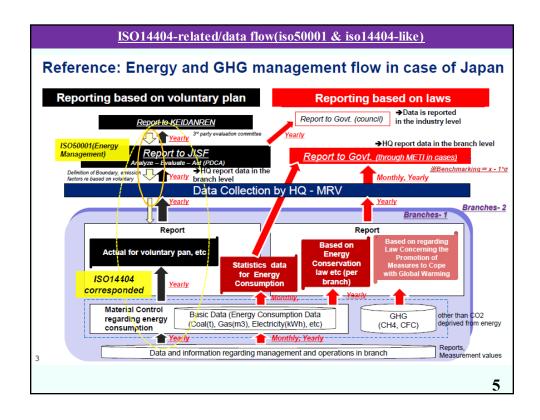
Contents (iso50001 related)

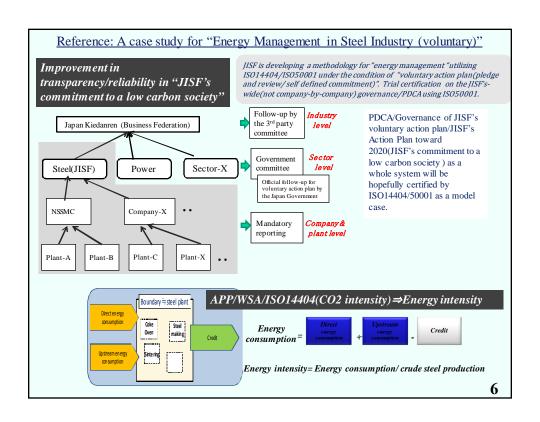
- 1. Energy Audits and its benefit with using ISO50001 and ISO14404
- 2. Developing the internal audits plan for the case study, steel industry
- 3. When the organization will develop the ISO50001 activities across the group company or sector activity, what point will be relevant
- 4. Other issues related to the agenda above.
 - Introduction/steel in general
 Background information
 -Climate negotiation/national schemes
 -National action during Kyoto1(2008–2012)
 A Commitment to a Low Carbon Society
 - Phase- I (2020)
 - Phase- II (2030)
 - . Energy Management in APP/GS EP
 - Cooperative Sectoral Approach in APP/GSEP
 - $\, Technology \, Full \, List \, and \, Customized \, List \,$
 - 5. ISO and Steel Industry
 - IS O14404 (calculation methodology for CO2 intensity of steelworks)
 - $\textbf{- IS\,O50001}\,(certification\,of\,Energy\,Management\,for\,JIS\,F's\,action\,program)}\\$
 - IS O14040/44+α (LCI calculation methodology of steel-products)
 - Otherissues
 - Benchmarking in energy saving law in Japan
 - Data Flow (measurement/reporting/verification)
 - JCM

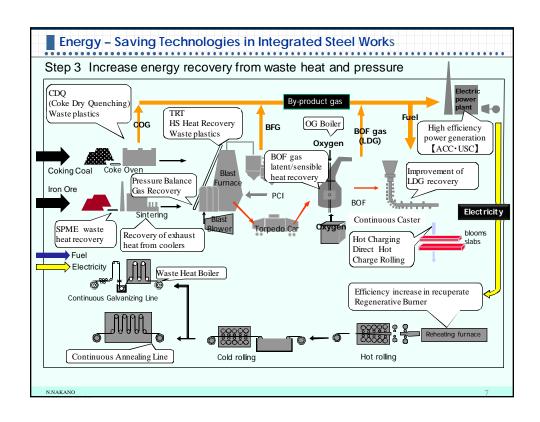
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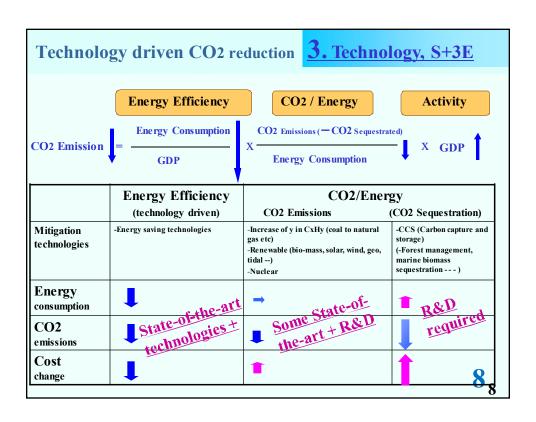
3. When the organization will develop the ISO50001 activities across the group company or sector activity, what point will be relevant

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Question-3 What do you think the most important factor to reduce CO2 emissions? Are happy about minimizing GDP growth?

- 1) Energy efficiency.
- 2) Use of low Carbon energy and/or CCS.
- 3) Decrease GDP growth.

Lecture on Cooperative Sectoral Approach/Climate Change, Tokyo Institute of Technology by Teruo OKAZAKI on Wednesday 16 January 2013

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