

CIMAC WG5 状況

2024 年 10 月 10 日

EEC 国内対応委員会 佐藤

10 月 9 日に中間のウェブ会議が開催され、1 ページスライドでの報告がありました。
議題は以下の 6 件です。

1. 前回のウェブ会議の議事録が承認された。
2. 日本の状況：小生から CCS ビジネス法の概要を説明した。CCS ビジネスの展開を行うため、本年 8 月に発効された。
9 つのプロジェクトが採用され、CO₂ を回収しパイプラインによる輸送と日本の地下への貯留、回収した CO₂ を船で輸送し海外の地中に貯留する主に 2 種類のプロジェクトがある。
3. IMO MEPC82 (9 月 30 日-10 月 4 日) の概要
 - 1) NO_x
船上での NO_x 再認証について NO_x テクニカルコードの改定が承認された。
 - 2) ブラックカーボン
北極圏でのブラックカーボンの削減のガイドラインがボランティアベースで承認された。北極圏で使用される燃料について ISO での規格化が検討される。
 - 3) GHG 削減
燃料の基準や経済的な手法が検討されているが、2025 年の採択に向け課題が多い。
 - 4) MEPC83(2025 年 4 月)に向けて
通信部会で CH₄, N₂O の排出評価の検討と船上のカーボンキャプチャーが検討される。
通信部会で CII (燃費実績の格付け制度) の見直しを行う。
4. EU のガス指令
2024 年 5 月に、[指令\(EU\)2024/1788](#)と[規則\(EU\)2024/1789](#)で構成される EU の水素・ガス脱炭素化パッケージが採択された。
低炭素のガスを採用するため、天然ガスに水素、CH₄、O₂ の混合状態での発熱量、ウォッペ指数で評価される。
5. 将来燃料の白書
WG5 メンバーで数回見直しが行われ、今回も読み合わせを行った。今回の指摘事項を修正し、WG5 メンバーに配信され再確認が行われる。
6. 次回の WG5 国際会議
12 月 10 日-12 日間で、フランクフルトの VDMA で開催予定である。WG5 の会議と他の WG との会議の日程は CIMAC 事務局で検討中である。

以上

CIMAC WG 5 virtual meeting

October 9th, MS Teams

CIMAC WORKING GROUP 5 “EXHAUST EMISSION CONTROL”

79th Meeting on October 9th 2024, 12:00-15:00 UTC+2

VENUE: Virtual meeting (MS Teams)

AGENDA

- 12.00 Opening of the meeting, compliance slide, adoption of the agenda, round of introduction
- 12.10 Review minutes of the 78th Meeting (12-13th June 2024) D. Peitz (Hug Eng.)
- 12.15 1 slide updates respective presenters
 - CIMAC
 - IMO
 - Stationary
 - ...
- 13.15 Break 10 min
- 13.25 Discussion of future fuels paper D. Peitz (Hug Eng.)
- 14.45 Next meeting, any other topics, feedback, final remarks all
- 15.00 Closing of the meeting

Note – Compliance Programme

The CIMAC Compliance Programme is committed to fulfilling all the requirements provided for by competition law. Competition law violations may lead to substantial punishment for participating companies, employees, and associations. Thus, to protect your own personal interests, those of your company, and the overall CIMAC activities, compliance with the existing competition rules is key. In this respect, particularly stringent laws apply to the targeted exchange of information between and among competing companies. In consequence, the CIMAC Compliance Programme prohibits, among other things, the exchange of data for specific products or markets. Information communicated must refer to the entire company or a general range of products. Any additional or further exchange of specific company data that may be relevant from a competition-law point of view is not possible.

For any queries, please do not hesitate to approach the responsible officer in your company, your contact person at CIMAC or VDMA Legal Services. Please request your own copy of the CIMAC Compliance Programme.

CCS Business Act in JAPAN

Outline of the Bills

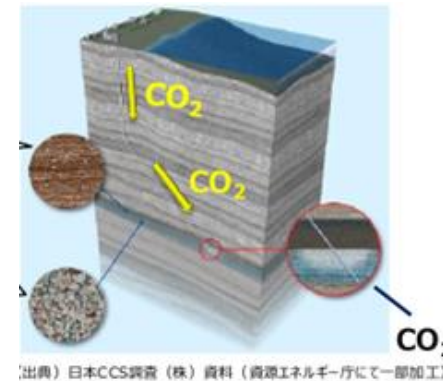
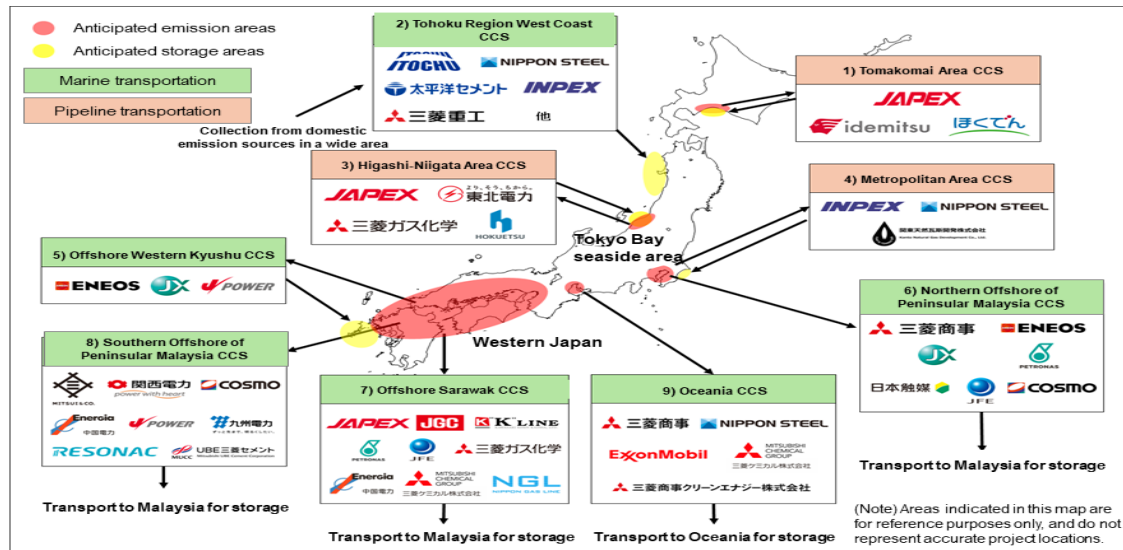
“CCS Business Act” Aiming to develop a business environment in which private companies are able to launch CCS businesses in Japan by 2030, the bill is to stipulate provisions involving the following: establishing a licensing system for storage business and trial-drilling, establishing a storage right system and a trial-drilling right system, and developing business regulations and safety regulations pertaining to storage businesses and pipeline carbon dioxide transportation businesses.

Enactment of Bill : May 17,2024

Publication: May 24,2024

Enforcement : August 5,2024

Nine projects were selected as part of an 'advanced CCS initiative' that holistically supports the entire value chain



https://www.enecho.meti.go.jp/en/category/special/article/detail_201.html

Regulatory Developments in Marine, IMO (D. Kubel)

MEPC 82 (October 2024) – Air Pollution

- NOx
 - Approval of amendments to NOx Technical Code (NTC) on onboard re-certification
 - Approval of amendments to the MARPOL Annex VI and NTC on multiple engine operational profiles, rational emission control and test cycles
 - Approval of new agenda item on revision of the NOx regulation, focusing on low-load Tier III (PPR 13 -14 in 2026-2027)
- Black Carbon
 - Approval of voluntary guidelines on reduction of Black Carbon in the Arctic
 - Invitation to ISO to consider a polar fuel standard

MEPC 82 (October 2024) – Greenhouse Gas

- Progress on mid-term measures to reduce GHG emissions, including a GHG fuel standard and a GHG pricing mechanism
- Still much work to be done until adoption in 2025
- Start review of the Carbon Intensity Indicator (CII)

Intersessional work -> MEPC 83 (April 2025)

- Correspondence group on verification and certification of TTW emissions of CH₄ and N₂O and on onboard carbon capture (ongoing)
- Correspondence group on review of CII

EU GAS Directive/1/ & Regulation/2/ - Gas Quality Issues 1/2

- Gas quality has a fundamental impact on: **safety, emissions, product quality and energy efficiency**
- Transmission & Distribution system operators shall:
 - D: Ensure efficient gas quality management in their facilities in line with applicable gas quality standards
 - R: Make public detailed information of gas quality in their network which might affect network users
- But gas quality specification referred to (Articles: R 33(7)/38; D 64(11)) refer to **Regulation 2015/703**:
 - Article 16: "short term monitoring – publication": *W_I, gross calorific value to be measured on hourly basis*
 - Article 17: "information .. Short-term gas quality variation": transmission operators are not obliged to supply additional *indicative* gas quality information to e.g. final customers with adversely affected processes due to gas variations, *if not required by national authority*. Note "best estimates"!
- "Extras":
 - R Annex 1 (**case natural gas***) if relevant for access: *W_I, gross calorific value, in natural gas system blended H₂, CH₄, O₂-contents to be published by transmission operator at all relevant points on a daily basis. Preliminary data latest 3 days after respective gas day, final figures within 3 months after end of respective month.+ pressure*
 - D Article 10(2): where relevant also *gas quality gas odourisation and gas pressure rules to be published*

/1/ EU Gas Directive 2024/1788 (OJ 15.07 2024) at web: https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:L_202401788

/2/ EU Gas Regulation 2024/1789 (OJ 15.07 2024) at web: https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:L_202401789

■ *Hydrogen Purity and contaminants to be published, see time table for natural gas case – network code still to be established about content, etc.

EU GAS Directive/1/ & Regulation/3/ Gas Quality Issues 2/2

Note!

- EU 2015/703 **Recital 5 refers to CEN mandate M/400** (H-gas standardisation i.e. *revision of EN 16726*)
- **R** Article 71(2a) quote: "*Commission may adopt implementing acts establishing network codes .. including .. minimum acceptance levels for gas quality parameters ... short- and long term gas quality monitoring, information provision and cooperation ..*"

EUROMOT Main feedback in year 2022 to the Commission (for more information see (/3/, /4/, /5/, /6/):

1. Refer to revised EN 16726 standard instead of EU 2015/703 in relevant Articles, measurements to be provided in real time
2. The Commission should aim for an obligatory application (***via network codes***) of the revised standard EN 16726 in the EU, thereby taking away the prerogative of the Member States to set their own rules. Having different gas quality rules within the Member States hampers the free exchange of gases in the EU, limits a uniform product specification for the equipment manufacturers and increases the costs for the gas end users.

Euromot anno 2022 submissions:

Directive:

/3/ https://www.euromot.eu/wp-content/uploads/2022/11/2021_0425_COD-EUROMOT-Position-Gas-Directive-Rev-2022-10.pdf

/4/ [EUROMOT Position Paper 2017](#)

Regulation:

/5/ [EUROMOT Position Paper 2017](#)

/6/ [EUROMOT Position Paper 2017](#)