

TFTEI

Under the Convention on Long Range Transboundary Air Pollution

Task Force on Techno-Economic Issues

“TFTEI co-chairs’ report on the Task Force activities in 2022-2023”

Reference documents: ECE/EB.AIR/WG.5/2022/1
ECE/EB.AIR/WG.5/2022/3
ECE/EB.AIR/2021/2
ECE/EB.AIR/WG.5/2020/3

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Update of the 2021 TFTEI co-chairs' report



Premise

This presentation illustrates the activities carried out by TFTEI, on the basis of the official co-chairs report, especially in relation with the work to support the review of the Amended Gothenburg Protocol and the latest activities carried out or in progress in the first months of 2022, in relation with the work plan 2022-2023. It also offers a summary of the TFTEI annual meeting 2021 and an outlook of the upcoming works and collaborations, planned in the next future.

TFTEI activities in 2021-2022



According to the work plan 2022-2023 the Task Force has started planned and/or completed the following main tasks:

- Review of the *Technical Annexes IV, V, VI, VIII, X and XI*, and related GD,
- Participation in the works of GPG
- Collaboration with other technical bodies of the Convention
- Outlook of the upcoming works
- TFTEI Annual Meeting 2022

The co-chairs' report to WGSR_60 (ECE/EB.AIR/WG.5/2022/1) also includes information on the TFTEI annual meeting 2021.

TFTEI activities in 2021-2022



Task Force annual meeting 2021

The 7th annual meeting, of the task force, organized by Italy and France, took place online on October 29, back-to-back an informal technical session (online, 28 October 2021).

The plenary session was attended remotely by 68 participants, from 17 countries: Austria, Belarus, Belgium, Canada, Denmark, the European Union, France, Germany, Italy, Kazakhstan, Norway, Poland, Sweden, the Russian Federation, Spain, Switzerland, and the United States of America.

The discussion focused on the status of the work of TFTEI in the frame of the review of the AGP, and related relevant issues.

Review of the *Technical Annexes to AGP*, (*IV, V, VI, VIII, X and XI*)



The review started at the beginning of 2021, and was concluded in November 2021, with the aim of providing background information to answer questions in Annex I of the document “Preparation for the Review” (ECE/EB.AIR/WG.5/2020/3).

Particular attention to questions in section 1.6. Other questions (4.2.d, 4.2.e on black carbon, 6.3.a,b on methane), were answered on the basis of TFTEI background technical documents for WGSR_58.

Extended report on the TFTEI review is available, among the informal docs for WGSR_60 (agenda item 4).

Main conclusions on the review are in the TFTEI co-chairs report and paras 49-50 of the GPG report on Review (ECE/EB.AIR/WG.5/2022/3).

Main conclusions on the review of TAs and GDs



The main conclusions of the TAs and GDs review, provide answers to the related Annex I questions, and can be summarized as :

- From a technologic point of view, potential new ELVs have been identified, as technically feasible/consistent with the new/upgraded technologies, now available, which would allow significant emission reductions, in several sectors concerned in the TAs (*Q 1.6.a*).
- In Annex V, (NO_x), the addition of a set of industrial processes and combustion plants (< 50 MWth) would be recommended (*Q 1.6.d*).
- In Annex VIII, mobile sources, some tables are now obsolete and ELVs are potentially eligible to be updated, taking into account the performances of the newest vehicle generation (*Q 1.6.a*).
- In all the annexes related to stationary sources, the paragraphs on compliance checking of measurements and ELVs and are rather complex. Updates are suggested, i.e., on definition of the mean value considered (monthly, daily or other means).(*Q 1.6.c*)

Main conclusions on the review of TAs and GDs (cont'd)



- In Annex X. potential updates in limit values are identified for filterable (solid) PM in small domestic appliances allowing significant emission reductions of both black carbon and condensable part of PM. Condensable issue is still under discussion in the ad hoc group (*Q 1.6.a*).
- For Annex XI, no significant new information was found (*Q 1.6.a*).
- Possible adaptations of the Annexes for EECCAs are mainly related to the flexibility mechanism (*Q 1.6.b*).
- The extended report on the review of TAs and GDs (available among the informal docs for WGSR_60) is a considerable source of information for possible future updating of the Guidance Document on Stationary Sources. Similar document on mobile sources will follow quickly.

Upcoming works in TFTEI



- In the frame of the review work, an ad hoc analysis will be carried out on some selected EECCA countries (Kazhakstan, Georgia, Moldova and Serbia) to identify a “*Technological Pathway toward the Ratification*”, in critical sectors. Main conclusions to be included in Annex II of the GPG Report on Review.
 - Analysis of the impact on AP of the de-carbonization processes introduced in some industrial sectors (informal report expected in 2023).
 - Development of Guidance Documents on Methane and Shipping (official Documents in 2023, decided by EB_41).
 - Techno-scientific support to TFRN on Guidance on Methane/Ammonia interactions and related co-mitigation measures in Agriculture (official Document in 2023).
 - Collaboration with TFIAM and TFICAP.
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TFTEI Annual Meeting 2022 and contacts



TFTEI Annual meeting 2022, in Rome, 6-7 October, preferably in person (on line option available).

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