



Strategic rollout plan for alternative fuels infrastructure development

Presentation to Sustainable Transport Forum

29 April 2021

Context

- European Green Deal ambition for alternative fuels infrastructure deployment
- Sustainable and Smart Mobility Strategy (SSMS)
 - *The Commission will publish a strategic roll-out plan to outline a set of supplementary actions to support the rapid deployment of alternative fuels infrastructure, including in areas where persistent gaps exist. These would include recommendations on planning and permitting processes as well as on financing, developed in collaboration with the Sustainable Transport Forum of the Commission that brings together key public and private representatives of the entire value chain (COM 2020/789 final).*
- To be published alongside the proposal for the revision of AFID as the part of the Fit for 55 Package

Scope and objectives

- Complementary recommendation and actions to support infrastructure roll-out:
 - *Relevance of planning, permitting and procurement practice*: increasing notice of problems & delays for promoters; needs for competitive market development – what is good practice and what should guide local and regional action?
 - *Relevance of EU financial funds and instruments*: support more even rollout in the EU – how to better target and how to make best use of it?
 - *Relevance of emerging technologies and policy needs*: identify outstanding technological challenges and data / governance needs – what are important aspects that need to be delivered under the future AFID framework?

Concrete building blocks – better plan, permit and procurement

- Reiterate importance of the [Recommendations for public authorities for procuring, awarding concessions, licences and/or granting support for electric recharging infrastructure for passenger cars and vans](#) (the 2020 STF Recommendations for recharging point tenders) and summary [Handbook](#), to help all public authorities deploy fit-for-future and consumer-friendly recharging infrastructure at the lowest possible public cost.
- Commission will continue to support public authorities and promote exchange of best practices, in particular through the STF ‘public-authorities’ sub-group, incl.:
 - ✓ best practices guide for permitting and grid connection procedures
 - ✓ development of useful templates, tools, standard contract provisions (for tenders, joint procurement with other authorities, information to citizens, etc.)
 - ✓ recommendations for recharging infrastructure roll-out for specialized and captive fleets such as taxis, (urban) logistics, etc

Concrete building blocks – Make best use of national recovery planning

- Investment needs for the deployment of alternative fuel infrastructure and state of play of Member States recovery planning
- State Aid for Recharging and Refuelling Infrastructure

Concrete building blocks – Reinforce and better target funding at EU level, attract private investment and increase capacity

- MFF financing period 2021-2027: HEU, ERDF, CEF, InvestEU, EIB
- CEF – Alternative Fuels Facility – blending call for proposals
- Better targeted funding:
 - Targeting criteria based on: TEN-T infrastructure gaps analysis, speed of charging points
 - Refining of TEN-T maps to identify hotspots/seasonal peaks

Concrete building blocks –technology roadmaps & industry-supported standards

- Priorities for standardisation in **road transport**: communication interfaces and developing new data models (vehicle integration into the grid), standardisation for heavy-duty vehicles and hydrogen refuelling points
- Technological requirements before considering **hydrogen trains**
- **Waterborne transport and air transport** – state of play and needs for standardisation (EMSA, EASA, international dimension)
- Mandate for ESO and objectives for STF

Concrete building blocks – make the electric mobility ecosystem work more effectively

- Smart-ready recharging infrastructure able to offer smart and bidirectional (V2G) charging services.
- Recharging infrastructure equipped with the necessary hardware, software and standards, enabling the interoperable flow of information to its back-ends and other market actors.
- Availability of essential data types to ensure the development of new services expected to meet users' needs for different vehicles types (e.g. LDVs vs. HDVs), including seamless localization, booking, payment and billing processes.

Concrete building blocks – make the electric mobility ecosystem work more effectively

- Development of harmonised standards for contract-based payment solutions to enable in particular cross-network e-roaming
- Development of a common data architecture for recharging infrastructure and other alternative fuels infrastructure, including the characterisation of the different data dimensions (aggregation, quality, sharing, reusability, etc.) required to enable the future creation of advanced digital services.
- Mapping of the roles and responsibilities of the different market actors within the data ecosystem.

Strategic rollout plan - validation

- Oral and written comments from Members of STF to be considered in the final version as a part of the inclusive process
- DDL for written comments -
- High-level STF meeting to be expected in a short time after the adoption of the AFID revision

Thank you



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