

## FEEDBACK ON ENTSOG'S ANNUAL WORK PROGRAMME 2025

**Organisation :** H2SITE

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**Q1: Does the AWP 2025 adequately identify activities which ENTSOG should prioritise? If not, please provide details.**

The AWP 2025 outlines several important activities, particularly the inclusion of hydrogen in the Ten-Year Network Development Plan (TYNDP) and the establishment of the European Network of Network Operators of Hydrogen (ENNOH). These initiatives align well with the priorities for advancing hydrogen infrastructure and integration into the existing energy system. However, the document could improve by prioritizing the management of hydrogen imports, including infrastructure for ammonia cracking, which is crucial for stable cross-border hydrogen supply. Additionally, more focus is needed on the adaptability of infrastructure to different hydrogen specifications, such as devices for capping hydrogen percentages and debblending technologies. These aspects are essential for ensuring the efficient transport and utilization of hydrogen across diverse regions and applications.

**Q2: Are there any other activities that should be included in the AWP 2025, or activities which should take priority within the document? If yes, please provide details.**

Yes, there are several activities that should be included or prioritized within the AWP 2025:

1. **Hydrogen Import Infrastructure:** The AWP should include detailed strategies for managing hydrogen imports, specifically infrastructure for ammonia cracking, to facilitate international hydrogen trade and ensure a reliable supply chain.
2. **Interconnection and Adaptability:** There should be a greater emphasis on enhancing regional cooperation and interconnections for hydrogen transport. This includes developing technologies and infrastructure adaptable to different hydrogen specifications, ensuring seamless integration across regions.
3. **Research on Purification Technologies:** The document should prioritize research and development of technologies for hydrogen purification. Given H2SITE's expertise, advancing purification technologies is critical for producing high-purity hydrogen efficiently.
4. **Consideration of Different Specifications:** The AWP should address the need for managing different hydrogen specifications across regions, including strategies for purification and separation to meet varying requirements.

**Q3: Do you have any additional general comments?**

In general, the AWP 2025 is a comprehensive document that outlines significant steps towards integrating hydrogen into the energy system. However, it could benefit from a more detailed focus

on the infrastructure and technological advancements necessary for hydrogen import management and purification. Additionally, enhancing regional cooperation and adaptability to different hydrogen specifications will be crucial for building a robust and cohesive European hydrogen network. By addressing these areas, ENTSOG can better support the development of a sustainable and efficient hydrogen infrastructure, aligning with the goals of companies like H2SITE that specialize in high-purity hydrogen production and transport technologies.