

ROAD TRANSPORT BREAKTHROUGH: PRIORITY INTERNATIONAL ACTIONS FOR 2025

1. This document outlines the Priority International Actions for 2025 under the Road Transport Breakthrough, in response to the recommendations in the [Breakthrough Agenda 2024](#) from the International Energy Agency (IEA) and the UN High Level Climate Champions (UN HLCs). These Priority Actions have been developed collaboratively by countries participating in the Road Transport Breakthrough and leading initiatives. They seek to build on the range of important wider work underway and planned across the international landscape, including outcomes of the 28th and 29th UN Climate Change Conferences (COP28 and COP29), to build on the processes to develop, communicate and implement new Nationally Determined Contributions, and to take forward the outcomes of the first Global Stocktake under the Paris Agreement. These aims will be pursued by strengthening international collaboration in specific areas where in doing so we can accelerate progress towards our shared Road Transport Breakthrough Goal to make:

‘Zero emission vehicles the new normal and accessible, affordable and sustainable in all regions by 2030’

2. Noting that each country will have its own national pathway to decarbonise key sectors and approach to competing for future clean technology market opportunities, and with full recognition of the many excellent wider international activities and partnerships already underway, we intend to prioritise our international efforts to advance specific priority international actions and projects as listed below.
3. Progress on these actions in 2025 will be tracked through the next Breakthrough Agenda Report from the IEA and UN HLCs, discussed through the Road Transport Breakthrough dialogues co-led by the United Kingdom, the United States and India, and supported by the Road Transport Facilitator hosted by the International Council on Clean Transportation (ICCT), in collaboration with the Clean Energy Ministerial (CEM), Mission Innovation (MI) and the World Business Council for Sustainable Development (WBCSD), and reported on at the 30th UN Climate Change Conference (COP30) alongside an updated set of Priority International Actions for Road Transport in 2026.
4. In order to implement the Breakthrough Agenda launched by 45 world leaders at COP26, and now backed by 61 governments, set out below are the Priority International Actions being taken forward by individual countries and governments as appropriate to their national priorities, noting the ambition to strengthen the international assistance offer to Emerging Markets and Developing Economies (EMDEs) that is relevant to the delivery of all Priority Actions.

RT1. Demand Creation / Long-term Vision / Market Structures			
<p>Breakthrough Agenda Report Recommendation: Governments should commit to a Paris-aligned timeline by which all new road vehicle sales should be zero-emission, particularly for trucks, buses, and vans, backed by interim targets and clear implementation plans by 2030 and 2035. Governments should put effective laws, policies and programmes in place to implement these commitments, such as ZEV mandates, and share learning throughout implementation, particularly with emerging markets and developing economies.</p>			
<p>Priority International Action on Demand Creation / Long-term Vision / Market Structures:</p> <p><i>Send an unequivocal collective global market signal in support of a 1.5-aligned transition to Zero Emission Vehicles (ZEVs).</i></p> <p>Work together to set and implement common and coordinated long-term and interim targets and measures that send an unequivocal collective global market signal in support of a 1.5-aligned ZEV transition, and review progress at COP30.</p>	<p>How this will be taken forward:</p> <p>By countries, sub-nationals and businesses, across the ZEV value chain, joining one or more of the following leading initiatives focused on sending global ZEV market signals consistent with the Paris Agreement’s goals, working together to implement action and grow their memberships, and review progress by COP30:</p> <ul style="list-style-type: none"> - Accelerating to Zero Coalition - Global MoU on ZE-M/HDVs - CEM Electric Vehicles Initiative - EV100 and EV100+ - First Movers Coalition - Sustainable Freight Buyers Alliance/Fleet Electrification Coalition - ZEV Emerging Markets Initiative <p>By governments putting in place and aligning policies, with a proven track record of accelerating increased adoption, to implement these targets, that recognise timelines for different vehicle types and supports public-private partnerships, along with sharing best practice and learnings, in particular with EMDEs.</p> <p>By inviting the Accelerating to Zero Coalition, Global MoU and other partners to provide a report for COP30 on aggregated progress towards a global 1.5-aligned ZEV transition in terms of both setting targets and implementation of those targets, and to include more information on all vehicle types.</p>	<p>Collaborating initiative(s):</p> <p><i>Coordinated by:</i></p> <p>Accelerating to Zero Coalition (A2Z)</p> <p>Global MoU on ZE-M/HDVs</p> <p><i>Partners:</i></p> <p>Clean Energy Ministerial Electric Vehicles Initiative (CEM EVI)</p> <p>The Climate Group (EV100 and EV100+)</p> <p>First Movers Coalition (FMC)</p> <p>Smart Freight Centre [SFC]</p>	<p>Collaborating governments</p> <p>Australia Azerbaijan Cambodia Canada European Commission France Guinea Bissau India Netherlands New Zealand Norway Panama United Kingdom United States</p>

RT2. Finance and Investment			
Breakthrough Agenda 2024 Report Recommendation:			
Governments should work to accelerate the pace of pilot projects seeking to increase access to low-cost financing for zero-emission vehicle adoption in emerging markets and developing economies, and to scale up availability of low-cost financing to a wider set of countries, particularly for buses and trucks. Governments should work with public authorities, corporates and financial institutions, including multilateral and national development banks, to provide funding and technical assistance, mitigate risks, and rapidly create a larger pipeline of projects.			
<p>Priority International Action on Finance and Investment:</p> <p><i>Strengthen international technical assistance and finance available to support EMDEs</i></p> <p>Significantly strengthen the overall long-term sustainable offer of international technical assistance and finance available to support the ZEV transition of EMDEs, with a view to showcase efforts at the COP29 and COP30.</p>	<p>How this will be taken forward:</p> <p>By launching a consolidated and enhanced package of international assistance through the updated Global ZEV Transition Roadmap at COP29 with a new Roadmap Delivery Framework to strengthen coordination of international technical and financial support with all leading initiatives – including in areas related to the other four priority actions – to accelerate ZEV transition in emerging markets and developing economies.</p> <p>Within this package, scale and implement more pilot projects with a wider set of countries to increase access to low-cost financing, leverage learnings from existing pilots and strengthen technical assistance to enable a larger pipeline of projects. Strengthen public-private collaboration, including with financial institutions and investors, through the Collective for Clean Transport Finance, amongst others.</p>	<p>Collaborating initiative(s):</p> <p><i>Coordinated by:</i> Zero Emission Vehicle Transition Council (ZEVTC) International Assistance Taskforce</p> <p>Taskforce members include UNEP, World Bank, SFC, FIA Foundation, CALSTART ICCT, WBCSD – Zero Emission Vehicle Emerging Market Initiative (ZEV-EMI) and Collective for Clean Transportation Finance (CCTF), University of California, Davis (UC Davis) and the Global Fuel Economy Initiative (GFEI), amongst others.</p>	<p>Collaborating governments:</p> <p>Cambodia Canada European Commission Germany Guinea Bissau India Lithuania New Zealand Norway Panama Republic of Korea Sweden United Kingdom United States</p>

RT3. Supply Chains

Breakthrough Agenda Report Recommendation:

Governments should agree on environmental, social and governance standards and metrics that are harmonised across regions, including battery carbon footprint and responsible sourcing, with the view to support international markets for more sustainable products. Governments should work towards enabling global interoperability, transparency, and harmonised data governance of digital battery passports (e.g. data collection, management, exchange, assurance, and verification standards). Further, governments should jointly address priority areas for secure, resilient, and sustainable value chains, and circularity-based product design and processing, including bottlenecks for battery materials, longer battery lifespan, recycling standards at the end of life, and technical assistance for emerging markets and developing economies on EV battery end-of-life management.

Priority International Action on Supply Chains:	How this will be taken forward:	Collaborating initiative(s):	Collaborating governments:
<p><i>Improve ZEV battery life cycle's efficiency and sustainability.</i></p> <p>Accelerate work to improve the sustainability and transparency of ZEV battery supply chains globally, by working together to establish a mechanism for countries and businesses to share best practice and knowledge, support implementation and explore opportunities to increase interoperability of standards, metrics and policies by COP30.</p>	<p>By inviting countries to consider how to take forward the recommendations launched by the Global Battery Alliance and partners in June 2024 to accelerate cooperation to address the supply, financing and sustainability gaps in critical battery minerals, including by involving emerging markets, producing countries and non-governmental stakeholders. Countries to consider available tools such as the GBA's battery passport, a transparency and accountability framework, drawing on lessons from pilots launched in July 2024, amongst others.</p> <p>By inviting UNECE and UNEP to continue facilitating opportunities for countries to explore avenues to increase alignment on criteria and metrics for sustainability standards, policies for uptake of standards and building off work of existing efforts, such as ISO among others. By inviting partners to advance support for emerging markets and developing economies with EV battery end-of-life management. This work should build off existing efforts at the international/global level.</p>	<p><i>Coordinated by:</i> Global Battery Alliance (GBA)</p> <p><i>Partners:</i> World Economic Forum (WEF) circular batteries</p> <p>United Nations Environment Programme (UNEP)</p> <p>United Nations Economic Commission for Europe (UNECE)</p>	<p>Australia Cambodia Canada European Commission France Germany Guinea Bissau India Ireland Japan Netherlands New Zealand Norway Panama Republic of Korea Sweden United Kingdom United States</p>

RT4. Infrastructure

<p>Breakthrough Agenda Report Recommendation: Governments should co-operate to accelerate the roll-out of charging infrastructure along international freight corridors for zero-emission trucks. Governments should strengthen joint planning and co-ordinated investment across the transport and power sectors to anticipate greater demand for zero-emission power generation, transmission, and distribution for charging, as well as with financial institutions to increase funding allocated to large-scale infrastructure projects.</p>			
<p>Priority International Action on Infrastructure:</p> <p><i>Accelerate the development and deployment of ZEV infrastructure globally.</i></p> <p>By continuing to work together to establish a mechanism for sharing best practices, knowledge and supporting implementation by countries and businesses at national and regional levels by COP30.</p>	<p>How this will be taken forward:</p> <p>By inviting leading initiatives to coordinate existing best practices and tools through the Charging Infrastructure Resource Guide - A harmonized pathway to deploying road transport charging infrastructure launched on the sidelines of CEM15/MI-9 Ministerial Meeting, 2024 to support development of policies by national and regional state and non-state actors.</p> <p>By countries and initiatives considering mechanisms to interconnect and leverage investment planning and coordination under Road and Power Breakthroughs in relation to grid development, optimal use of data and digital technologies, infrastructure deployment, and enhanced energy efficiency where appropriate, while increasing technical and financial assistance to large-scale infrastructure projects.</p> <p>By accelerating infrastructure roll out along international road freight corridors for zero emission trucks, optimising planning, deployment and investment through collaborative global initiatives such as ZEVWISE and others.</p>	<p>Collaborating initiative(s):</p> <p><i>Coordinated by:</i> International Council on Clean Transportation (ICCT)</p> <p><i>Partners:</i> CALSTART</p> <p>Smart Freight Centre (SFC)</p> <p>Green Grids Initiative (GGI)</p> <p>World Business Council for Sustainable Development (WBCSD)</p> <p>Clean Energy Ministerial Electric Vehicles Initiative (CEM EVI)</p> <p>United Nations Economic Commission for Europe (UNECE)</p>	<p>Collaborating governments:</p> <p>Australia Azerbaijan Cambodia Canada European Commission Germany Guinea Bissau India Ireland Japan Lithuania New Zealand Norway Panama Republic of Korea Sweden United Kingdom United States</p>
<p>RT5. Trade Conditions</p>			

Breakthrough Agenda Report Recommendation:
 Governments in exporting and importing countries should agree on minimum quality, environmental and safety standards for cross-border trade of used vehicles across all segments. Governments should improve data traceability for tracking cross-border used vehicle trade, such a through a publicly accessible database. Governments and companies should develop strategies to promote and enforce standards at ports of export, support cross-border trade of used zero-emission vehicles, and manage vehicle end of life in importing countries.

Priority International Action on Trade Conditions:	How this will be taken forward:	Collaborating initiative(s):	Collaborating Governments:
<p><i>Enable dialogue with a coalition of importer and exporter countries, including EMDEs, on used vehicles and ZEVs.</i></p> <p>Seek to increase comparability of quality standards, for used Internal Combustion Engine (ICE) vehicles and engagements to support the cross-border trade of second-hand ZEVs and publish forward plans.</p>	<p>By countries working with existing multilateral organisations and initiatives, such as UNEP (amongst others) and the UNECE WP.29 working group on Safer and Cleaner Used and New Vehicles, to continue to convene and develop strategies to define and evaluate quality standards and promote publicly accessible databases to be available for tracking cross-border used vehicle trade.</p> <p>By countries working to ensure that used vehicle trade standards and policies contribute to the decarbonisation of the vehicle fleet globally and locally.</p>	<p><i>Coordinated by:</i></p> <p>United Nations Environment Programme (UNEP), amongst others as/where relevant</p> <p><i>Partners:</i></p> <p>International Transport Forum (ITF)</p> <p>United Nations Economic Commission for Europe (UNECE)</p> <p>UC Davis</p>	<p>Azerbaijan Cambodia Canada European Commission Germany Guinea Bissau India Japan Lithuania Netherlands New Zealand Norway Panama Republic of Korea Sweden United Kingdom United States</p>

RT6. Landscape Coordination

<p>Priority International Action on Landscape Coordination:</p> <p><i>Enhance the coordination and transparency of international collaboration on ZEVs.</i></p>	<p>How this will be taken forward:</p> <p>By utilising the Breakthrough Agenda annual cycle to embed a process for regularly reviewing and updating a detailed map of the landscape of international collaboration, using key zero emission vehicles fora to identify gaps, overlaps and explore solutions to inform recommendations on new priority actions for strengthened collaboration.</p>	<p>Collaborating initiative(s):</p> <p><i>Coordinated by:</i></p> <p>Breakthrough Agenda Secretariat</p> <p>Road Transport Breakthrough co-leads</p> <p>International Council on Clean Transportation (ICCT) as hosts of the Road Transport Breakthrough Facilitator</p> <p><i>Partners:</i></p> <p>All leading international road transport initiatives</p>	<p>Collaborating governments:</p> <p>Australia Azerbaijan Cambodia Canada European Commission Germany Guinea Bissau India Ireland Japan Netherlands New Zealand Norway Panama Republic of Korea Sweden United Kingdom United States</p>
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