

BWG-P-06-04

The Bus Road Map sub-group has proposed revisions to their terms of reference and the work plan to deliver the Road Map. The members of the Bus Working Group are invited to comment and approve the revised document.

**BUS SUB WORKING GROUP
WORKPLAN & PROGRESS REPORT
3 February 2006**

1. Terms of Reference

The terms of reference are taken from the Project Brief appended to take account of concerns raised in the BSWG.

The purpose of the project is to establish a route map to deliver the Government's target of 600 new low carbon buses per year by 2012 as stated in the Powering Future Vehicles Strategy.

- Based upon a low carbon bus as previously defined by the BWG.
- The target is assumed to apply to buses of 8.5t GVW and above.
- Make recommendations on amendments to target if appropriate.
- Make recommendations regarding policy to help achieve the target if appropriate.
- Recognition that the UK bus market will be predominantly a competitive market with BSOG providing the main form of public support for Public Service Vehicles.
- Target completion date of the 30 June 2006.

2. Outline Work Plan & Progress

Overview	The project will deliver a route map that shows a clear and achievable route to delivering the Government's target. The route map will provide the Government with the basis upon which it can review its current target and where necessary, introduce further initiatives to ensure that its target is met. The project should assume that the target is met in 2012 and examine what it will take to achieve it.
Plan	<ul style="list-style-type: none"> • Jul 05 – Project kick-off meeting – project content to be agreed • Sept 05 – Draft bus purchase patterns, technology pathways, incentives. • Oct 06 – Opportunities and barriers identified • Feb/Mar 06 – Cost data collection • Mar 06 – Develop scenario and forecast for original PFV target • Apr 06 – Develop scenario and forecast for alternative PFV target • May 06 – Draft report • Jun 06 – Steering Group Comments • Jun 06 – Complete Report and LowCVP Board approval • Jun 06 – Final report submitted to DfT
Deliverables	<ul style="list-style-type: none"> • Route Map Report • Recommendations for further work
Progress	<ul style="list-style-type: none"> • On critical path for completion date 30 June
Issues	<ul style="list-style-type: none"> • Collection of cost data • Market modelling • Ability to complete in time for Government to incorporate into review of PFV Strategy.

	<ul style="list-style-type: none"> Lack of grant support due to continuing lack of State Aide approval from EU.
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3. Work Package Plan & Progress

WP1	Technology Pathways
Resp	Leading – David Lemon Supporting – All
Overview	Identify the potential technologies most suitable for application in buses to achieve a 30% reduction in carbon dioxide emissions by 2012.
Plan	<ul style="list-style-type: none"> Review potential technologies and suitability for bus application. Produce paper for peer review. Incorporate comments and finalise paper. Draft section of final report.
Progress	<ul style="list-style-type: none"> Progressing well. First draft paper issued, to be revised as appropriate as living document.
Issues	<ul style="list-style-type: none"> None

WP2	Bus Purchase Patterns & Key Market Factors
Resp	Leading – David Lemon Supporting – Bob Davis, All
Overview	Basic statistics on bus registrations; outline of progress to date and highlight of key issues.
Plan	<ul style="list-style-type: none"> Draft outline to assess progress. Collect basic statistics relating to bus purchasing patterns. Collect case studies on low carbon bus projects running.
Progress	<ul style="list-style-type: none"> Progressing well. Summary table issued to assess progress toward target.
Issues	<ul style="list-style-type: none"> Identifying all low carbon bus projects currently in operation. Case study data.

WP3	Barriers & Opportunities
Resp	Leading – Andy Robinson Supporting – Myles Mackie, Rayner Mayer
Overview	To identify the barriers to, and opportunities for, the introduction of low carbon buses in the UK.
Plan	<ul style="list-style-type: none"> Brainstorm of the issues. Input regarding Local Authorities from Myles Mackie. Input from research conducted by DTI from Rayner Mayer. Incorporate inputs and draft paper for inclusion in report.
Progress	<ul style="list-style-type: none"> Progressing well. Brainstorm conducted and Rayner Mayer's input received. Issue first draft for comment.
Issues	<ul style="list-style-type: none"> None

WP4	Incentives
Resp	Leading – David Martin Supporting – All
Overview	To identify the incentives available today and potential policy options the introduction of low carbon buses in the UK.
Plan	<ul style="list-style-type: none"> Survey of incentives.

	<ul style="list-style-type: none"> • Draft paper for peer review. • Investigation of policy options. • Incorporate inputs and draft paper for inclusion in report.
Progress	<ul style="list-style-type: none"> • Progressing well. • Paper circulated for comment.
Issues	<ul style="list-style-type: none"> • None

WP5	Costs
Resp	Leading – Angela Johnson Supporting – Ben Madden, Jonathan Murray, Colin Copelin, Andrew Robinson
Overview	Establish the whole life cost implications for the incorporation of the technologies identified in WP1 into production buses.
Plan	<ul style="list-style-type: none"> • Revised to overcome legal issues faced in survey of vehicle manufacturers. • Survey for circulation by CPT to bus operators. • Interviews of key group members by Element Energy. • Ricardo assessment of cost implications of low carbon technology on bus prices. • Input to market modelling WP5.
Progress	<ul style="list-style-type: none"> • Revised plan agreed. • CPT developing questionnaire & Element Energy conducting interviews. • Ricardo developing benchmark.
Issues	<ul style="list-style-type: none"> • None

WP6	Market Modelling
Resp	Leading – Ben Madden Supporting – Jonathan Murray, Matthew Whitehead, Angela Johnson
Overview	Develop model to assess the uptake of low carbon buses and allow policy scenarios to be assessed.
Plan	<ul style="list-style-type: none"> • Identify resource to develop market model. • Present proposal to BSWG. • Define input requirements for model. • Develop base model and BAU base scenario. • Peer review by BWG and others as necessary. • Finalise model and BAU base scenario. • Develop ALT scenario. • Peer review by BWG and others if necessary. • Finalise ALT scenario.
Progress	<ul style="list-style-type: none"> • Progressing but on critical path. • Agreed with EST to work in partnership on their Market Transformation Model and for LowCVP to have on-going access to model.
Issues	<ul style="list-style-type: none"> •

WP7	Report Writing
Resp	Leading – Jonathan Murray Supporting – All
Overview	Draw together the elements of the Route Map into final document for approval.
Plan	<ul style="list-style-type: none"> • Develop outline of report. • Assign responsibilities for drafting sections. • Produce first draft for peer review by BWG members. • Produce second draft for approval by LowCVP Board.
Progress	<ul style="list-style-type: none"> • On target.

	<ul style="list-style-type: none">• Outline of report and responsibilities defined.
Issues	<ul style="list-style-type: none">• Ability to complete in time for Government to incorporate into review of PFV Strategy.

4. Issues relating to further work

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| <ul style="list-style-type: none">• Concern that a bus capable of 30% reduction in carbon dioxide will not be competitive and that the target of 600 buses by 2012 will not be achieved. |
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