

Automotive Council Technology Group

Report to Automotive Council 18th March 2010

Prepared By: J Hardcastle

The first Technology Group meeting was held on 5th February 2010. The following explanation outlines the proposal for work streams to take forward the Technology recommendations of the NAIGT report.

Proposal for Technology Group Work Streams

| #1 Technology Road Maps and Test Bed UK | | Strategic Activities | | |
|--|--|---------------------------------------|----------------------|-----------------------------------|
| | | Low Carbon Infrastructure Development | Supplier Development | Funding and Academic Partnerships |
| Strategic Technologies | | | | |
| Internal Combustion Engine | | | | |
| Energy Storage and Energy Management | | | | |
| Lightweight Vehicle and Power Train Structures | | #2 | | |
| Power Electronics and Electrical Machines | | | | |
| Emerging Technologies | | | | |
| Intelligent Transport Systems (ITS) | | | | #5 |
| | | #3 | #4 | |

Technology and Strategy Matrix

Considering the strategic activities highlighted in the NAIGT report and the four strategic technologies selected from the Evidence Base for UK Capability, four work streams are proposed for the Technology Group.

The subject of Intelligent Transport Systems is continually raised in the Technology group meetings but to date has not been considered deeply. Additionally InnovITS was created from the previous AIGT recommendations. I propose to create a fifth work stream to study the potential benefit of further Technology Group work in this area.

The pilots and members of each work stream are now being selected and work stream activity is expected to commence from late March 2010, offers of support for these workstreams from outside the Technology group have already been received notably from Bosch, Aston Martin and Cenex.

The names shown below are tentative and will be confirmed by consultation with the Technology group members and BIS.

Technology Group Work Streams

#1 Technology Roadmaps and Test Bed UK

Pilots: N Jackson & J Whewell

Crew: S Faulkner, Nick Fell, Chris Walsh (Cenex), Jon Maytom (BIS)

Output:

Promote the Test Bed UK concept and publish material to promote UK Automotive R&D, Supply Chain and Manufacturing capability

Update Passenger Car Low Carbon Vehicle Road Map

Create Commercial Vehicle and Off Road Low Carbon Road Map

#2 Low Carbon Vehicle Infrastructure Development

Pilots: J Batterbee and R Haycock

Crew: David Densley, John Cooper, Erik Fairbairn, David Hytch, Calvey Taylor-Haw, Henri Winand, Adrian Vinsome (Cenex), Theo Quick

Output:

Create the link between the Automotive Industry and Infrastructure providers to develop the necessary low carbon infrastructures to support the Low Carbon Technology Road Map (electricity, hydrogen, bio-fuels etc)

#3 OEM and Supplier R&D Inward Investment

Pilots: G Hoare and J Beasley

Crew: John Kell, Allan McKenzie, Tony Spillane, Charles Morgan, Paul Mullins, Robert Evans (Cenex)

Output:

Create the link with the Supplier Chain Working Group to develop the supply chain to develop the four strategic technologies and to create a case to encourage inward investment for R&D by OEMs and Tier1 suppliers

#4 Funding and Academic Partnerships

Pilots: A Harper & B Collins

Crew: Catherine Coates, Simon Wood, Andrew Everett, A.n.other (Aston Martin), Hugh Blaxill

Output:

Create the link between Academic Institutions, Industry and Funding Bodies to establish the technology and funding environment to promote collaboration activities to develop the four strategic technologies

#5 Intelligent Transport System Development

Pilot: John Miles (ARUP)

Crew: Dave Pearson (InnovITS) G Gillespie, M Fragoso, S Stacey, Nick Clare (Cenex), Theo Quick, Jon Maytom (BIS)

Output:

Define the customer or societal problem that ITS solutions will resolve, considering the three faceted aspect of information presentation, infrastructure to car, car to driver, infrastructure to driver.

Proposal for ITS Technology Road Map to supplement the Low Carbon Technology Road Map