



FUTURE OF FREIGHT – EXPRESSION OF INTEREST

The National Infrastructure Commission (NIC) seeks to procure the expertise of Potential Providers with experience in delivering research projects in the following four areas:

1) **Reducing Environmental Impacts** (Budget capped at £50,000 excluding VAT)

1.1 The purpose of this requirement is to provide to the National Infrastructure Commission with advice and analysis examining how the UK can move towards having a zero emissions freight system in 2050, including:

- 1.1.1 Analysing the relative potential of alternative fuels in reducing carbon and improving air quality, their relative levels of market maturity, effectiveness for different parts of the freight system, and the barriers and opportunities towards delivery of new fuel types at scale;
- 1.1.2 Identifying potential financial support/incentive schemes to encourage and enable freight operators (including smaller operators) to transition to lower-emission vehicles;
- 1.1.3 Identifying ways to increase communication/transparency, advocacy and knowledge sharing between larger and smaller freight operators on the benefits of fuel saving technologies; and
- 1.1.4 Provide international examples and case studies and what is happening in key Roll On - Roll Off markets across Europe in terms of cleaner fuels.

2) **Future Freight Demand Scenarios** (Budget capped at £75,000.00 excluding VAT)

2.1 The purpose of this requirement is to provide the National Infrastructure Commission with advice and analysis on:

- 2.1.1 How the demand, nature and composition of the UK's freight system has changed over the past 100 years, the changing nature of types of freight being moved and forecasts of future areas/sectors of growth and decline.
- 2.1.2 The current nature and composition of freight demand in the UK in 2018.
- 2.1.3 The key factors affecting the demand for freight and the likely demand on differing modes to deliver it.
- 2.1.4 Developing future scenarios of freight demand in the UK, including an understanding of geographical patterns and freight types and volumes.
- 2.1.5 How the changing nature of demand might affect freight movements into and around urban centres.

3) **Value of Freight** (Budget capped at £75,000.00 excluding VAT)

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- 3.1 The purpose of this requirement is to provide the National Infrastructure Commission with advice and analysis on:
- 3.1.1 The main factors that affect freight efficiency, the key areas of inefficiency within the system and the likely causes and symptoms of these inefficiencies;
 - 3.1.2 The extent to which efficiency has and can be improved and the benefits of improving efficiency to the system and wider general output: and
 - 3.1.3 The extent to which freight efficiency, and improvements in efficiency relative to other countries, can affect decisions on location of businesses, and therefore the UK's attractiveness compared to its international neighbours; and
 - 3.1.4 A view on how major changes in freight transport have enabled significant changes in economic output, and an assessment of the value that marginal and major changes freight operations could deliver in terms of economic activity and/or productivity.

4) **Managing Congestion** (Budget capped at £80,000.00 excluding VAT)

- 4.1 The purpose of this requirement is to provide to the National Infrastructure Commission with advice and analysis on:
- 4.1.1 How freight can reduce its impact on congestion and the methods through which freight can minimise its exposure to congestion.
 - 4.1.2 The relative effectiveness of different interventions for managing the impacts of congestion on the freight system, (including but not restricted to smart motorways, lorry platooning, digital railway signalling, and longer heavier vehicles) to manage congestion on the UK road and rail networks
 - 4.1.3 The barriers to introducing or the scaling of existing and emerging technologies that seek to manage the impacts of congestion on freight or maximise the existing transport network capacity;
 - 4.1.4 An understanding of the potential for modal shift of freight from road to rail or waterborne forms of transport, as well as the potential benefits impacts of moving freight off rail;
 - 4.1.5 The characteristics of congested areas and desktop review of pinch points to understand the underlying causes of congestion;
 - 4.1.6 The role that better data gathering, sharing and interrogation/use could deliver in reducing the impact of congestion on freight, and broader decision making on infrastructure investment; and



4.1.7 Identify relevant domestic and international case studies for how the impacts of congestion have been successfully managed in relation to the freight industry

5) If you are interested in bidding for any of these requirements you are required to register as follows:

5.1. CCS Research Marketplace Framework.

5.1.1 All Suppliers are required to register for the Supplier Registration Service (SRS) and complete the online Selection Questionnaire (SQ) in accordance with the DPS Needs document, which forms part of the attached bid pack.

5.1.2 If the Supplier successfully meets all of the required selection criteria, the Sourcing Operations DPS Team will appoint the supplier to the DPS.

5.1.3 However, in the event that the supplier fails to meet the required selection criteria, e.g. if the supplier fails to meet the financial threshold, sourcing operations have a 15 working day turnaround time to action/ rectify the issue in accordance with the PCR 34(17).

5.1.4 In summary, the full end to end process can be complete in less than 24 hours, if the selection criteria is met and no anomalies are identified. However, the responsibility to register for the DPS and complete the SQ is the sole responsibility of the supplier.

5.1.5 To aid the process please find attached the Supplier bid pack for RM6018 Research Marketplace DPS which is also accessible via the SRS marketplace, Also the below ached a link outlines the supplier journey which may be useful to follow when commencing the registration/ selection process:

- presentation specifically tailored for Supplier viewing, with sound:

<https://youtu.be/1gMalElqEyY>



RM6018 Bid Pack
(May 2018).zip

6) Links

To register on the Research Market Place please click on

<https://supplierregistration.cabinetoffice.gov.uk/dps#research>

and to register on the Government E portal system

<https://gpsesourcing.cabinetoffice.gov.uk/srm-app/ux/selfreg.html#/self-reg/>

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7) Please be aware that the events will be launched on the 1st June 2018