

Response Document

Part 3 Technical Questionnaire

Sections	Page no
1 Methodology	1
2 Attribution and metadata	2
3 Currency.....	7
4 Geometry and referencing	8
5 Data provision.....	8
6 Quality.....	9
7 Future Enhancements.....	9
8 Sample data and ongoing data process.....	10
9 Test Area	10

For Participant’s information - the questions in this section are evaluated by:

- **Pass or Fail; (answering ‘No’ will result in a Fail and the remainder of your Tender will not be evaluated)**
- **For Information Only; or**
- **[Marks / percentage weighting].**

This is indicated next to each question for your convenience.

1 Methodology

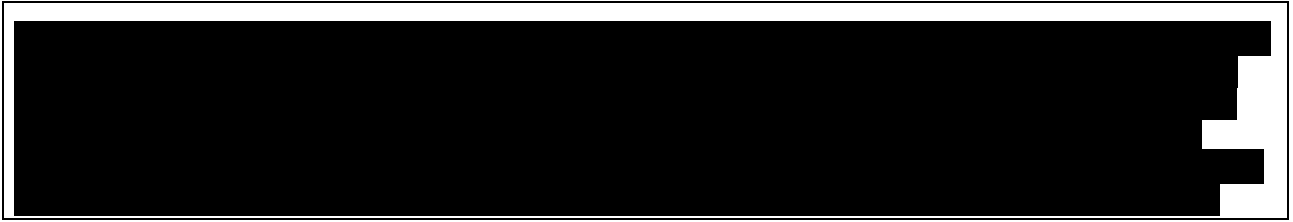
In reference to questions 2.1 and 2.2, for each of the asks, please detail the methodologies you intend to deploy in providing the services required for this Tender and identify what you perceive to be the key issues in delivering the requirements.

Please state any assumptions that you have made in respect of the appropriateness of the methodologies to deliver the required data in line with your Pricing Schedule.

In the response Participants should illustrate using diagrams each stage of the process to be deployed and detail how their proposed methodology will assist in the delivery of the services, meeting the delivery proposal in the

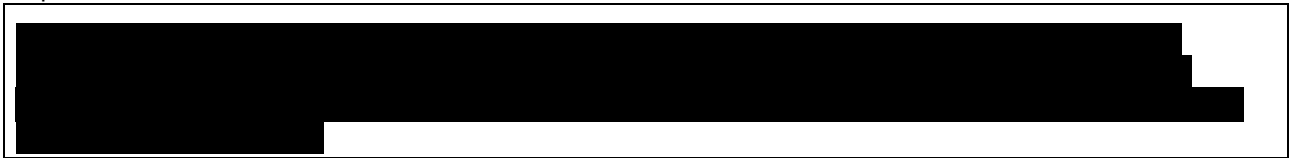
Please respond separately for the following:

1.1 Methodology for the supply of change intelligence data for road routing restrictions as outlined in Schedule 1, (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements) of the Technical Requirements.



1%

1.2 Methodology for the supply of data associated with additional network feature requirements (bus lanes, cycle lanes, street playgrounds, school streets, event road closures and street lights) as outlined in Schedule 1, (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements) of the Technical Requirements.



INFORMATION ONLY

2 Attribution and metadata

2.1 Can you provide change intelligence data on Traffic Regulation Orders for all of the following features that restrict travel as outlined in Schedule 1, (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements) of the Technical Requirements? Please specify and describe your coverage of each feature as listed below:

2.1.1 Height Restriction

Height Restriction	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.2 Length Restriction

Length Restriction	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.3 Weight Restriction

Weight Restriction	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.4 Width Restriction

Width Restriction	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.5 Level Crossing Fully Gated (Routing)

Level Crossing Fully Gated (Routing)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.6 Level Crossing Part Gated (Routing)

Level Crossing Part Gated (Routing)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.7 Level Crossing Ungated (Routing)

Level Crossing Ungated (Routing)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.8 No Entry for Vehicular Traffic

No Entry for Vehicular Traffic	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.9 No turn for Vehicular Traffic

No Turn for Vehicular Traffic	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.10 Prohibited To

Prohibited To	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.11 Route Used By

Route Used By	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.12 Road Unsuitable For

Road Unsuitable For	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.13 Vehicular Traffic Must Turn

Vehicular Traffic Must Turn	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.1.14 One Way

One Way	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.

1%

2.2 Can you provide change intelligence data for the following features that restrict travel as outlined in Schedule 1, (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements) of the Technical Requirements? Please specify and describe your coverage of each feature as listed below:

2.2.1 Bus Lanes

Bus Lanes	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

1%

2.2.2 Cycle Lanes

Cycle Lanes	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

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1%

2.2.3 Street playgrounds

Street playgrounds (including time qualifiers of specified road closures)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

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1%

2.2.4 School Streets

School Streets (including time qualifiers of specified road closures)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

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1%

2.2.5 Event Road Closures

Event Road Closures (including time qualifiers around these regular road closures)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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OS requirement is for full coverage of GB. Please describe the total geographical coverage you can provide, and describe in detail any known gaps or systematic patterns:

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1%

2.3 Can you provide qualifier restrictions to all specific vehicle types that the restriction applies to, or does not apply to, as specified in Appendix A, for example Route Used by Buses and Pedal Cycles Only?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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2.3.1 Please provide more detail on the completeness of qualifier restriction data you can provide:

Landmark have previously provided this for England and Wales, and by collecting the published Scotland data we are confident we can deliver full mainland GB. There are no known methodology or systematic issues.
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You may be asked to provide evidence of this should you be successful at tender.

2%

2.4 Can you provide change intelligence for all permanent Traffic Regulation Orders for the restrictions listed in schedule 1 (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements)?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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2.4.1 Please provide more detail on the completeness of permanent restriction data you can provide:

You may be asked to provide evidence of this should you be successful at tender.

2%

2.5 Can you provide change intelligence for all temporary and experimental Traffic Regulation Orders for the restrictions listed in schedule 1 (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements)?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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2.5.1 Please provide more detail on the completeness of temporary and experimental restriction data you can provide:

1%

2.6 Can you provide change intelligence for all permanent restrictions that is linked to relevant documents from authoritative sources, such as made sealed Traffic Regulation Order documents, for the restrictions listed in schedule 1 (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Requirements)?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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2.6.1 Please provide more detail on the extent to which your road restriction data is linked to documentation from authoritative sources, including made sealed Traffic Regulation Orders:

4%

2.7 Can you provide change intelligence for all experimental restrictions that is linked to relevant documents from authoritative sources, such as made sealed Traffic Regulation Order documents, for the restrictions listed in schedule 1 (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements)?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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2.7.1 Please provide more detail on the extent to which your road restriction data is linked to documentation from authoritative sources, including made sealed Traffic Regulation Orders:

2%

2.8 Can you provide change intelligence for all temporary restrictions that is linked to relevant documents from authoritative sources, such as made sealed Traffic Regulation Order documents, for the restrictions listed in schedule 1 (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements)?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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2.8.1 Please provide more detail on the extent to which your road restriction data is linked to documentation from authoritative sources, including made sealed Traffic Regulation Orders:

1%

2.9 Can you provide change intelligence for the following categories of streetlights (defined as lighting that is used to illuminate the carriageway and pedestrian areas)?

Streetlights	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Light Pole	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Lamp Posts	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Streetlamp	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Lamp Standard	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

2.9.1 Please detail the extent to which you can provide this information on public and private roads and paths, and the extent to which your data is captured from actual observed methods versus modelled/inferred :

INFORMATION ONLY

3 Currency

3.1 Can you provide monthly updates as change intelligence for all restrictions listed in schedule 1 (Specification), Schedule 2 (Location Accuracy) and detailed in Schedule 3 (Data Requirements)?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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3.1.1 If you answered no to question 3.1 please provide details of the frequency you can provide change intelligence:

Click or tap here to enter text.

2%

3.2 How soon in advance of a road routing restriction being implemented on the ground can you provide OS with change intelligence data?

1) 0-2 weeks before it is implemented	<input type="checkbox"/>	4%
2) The day it is implemented to 1 week afterwards	<input checked="" type="checkbox"/>	3%
3) 1 week to 1 month after it is implemented	<input type="checkbox"/>	2%
4) Over 1 month from the point it is implemented (Please describe below)	<input type="checkbox"/>	1%

3.2.1 Currency in this case is defined as the timeframe in which data can be captured in relation to its implementation of a change in the real world. Please describe how you assure the currency of your change intelligence data:

We collate TRO's on a monthly basis to

4%

4 Geometry and referencing

4.1 How will you be supplying your data?

Spatially - Geopackage or File GeoDatabase formats.	<input checked="" type="checkbox"/>	3%
Spatially - Other spatial format.	<input type="checkbox"/>	1%

4.1.1 Please describe how you would provide geometry or reference your data to a geographic feature, for example x,y coordinates, line feature or other:

3%

5 Data provision

5.1 Please provide details of any third-party dataset(s) which you might use to fulfil the Tender requirements and how you will ensure there will be no disruption to your supply of data to OS if any third-party agreements you currently have should change or expire within the course of the contract.



FOR INFORMATION ONLY

5.2 For each data ask, do you own and/ or have permission to licence this data to OS?

Road Routing Information:

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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PASS/ FAIL

Other network features:

Bus Lanes	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Cycle Lanes	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Street playgrounds (including time qualifiers of specified road closures)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
School Streets (including time qualifiers of specified road closures)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Event Road Closures (including time qualifiers around these regular road closures)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

If you answered **no** to any part of question 5.2 please provide further details:

Click or tap here to enter text.

FOR INFORMATION ONLY

5.3 Please describe the agreements you have in place with your third-party data suppliers and how you ensure you have the rights to commercially exploit any third-party data you would use in servicing this contract:

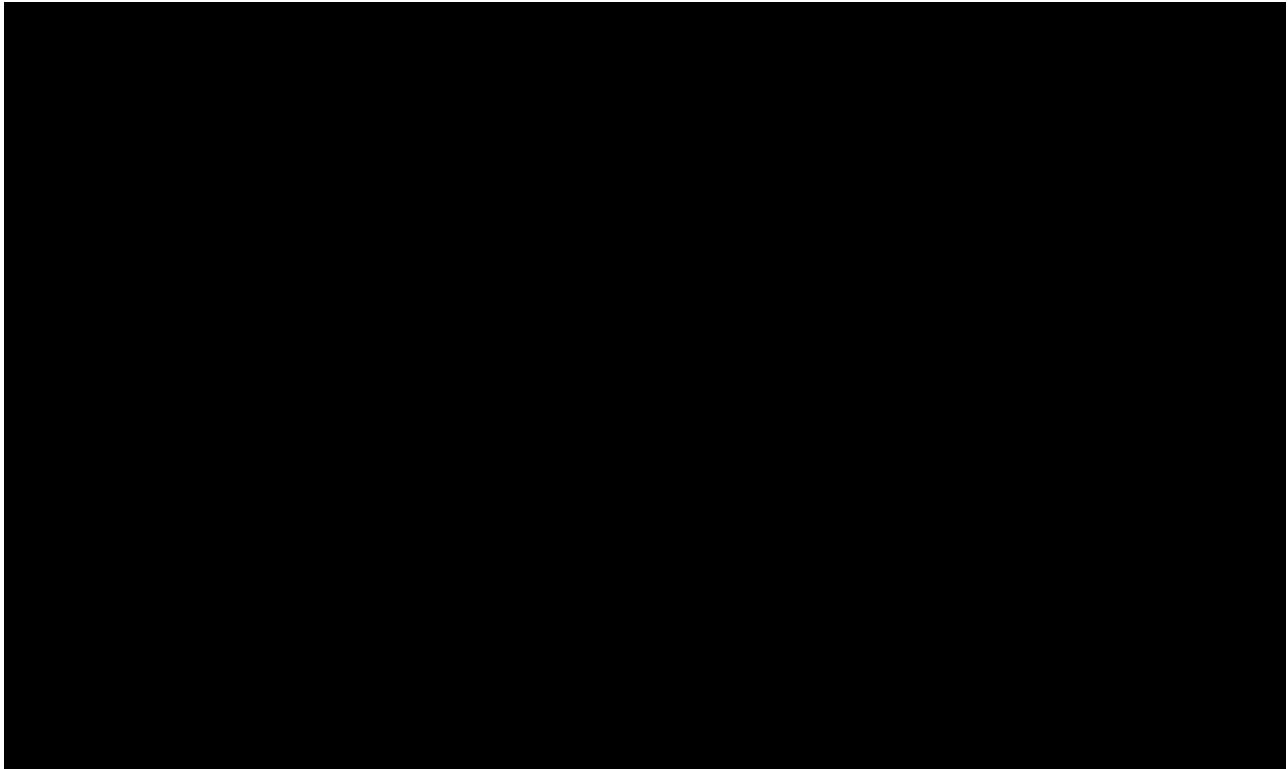
The collated data is from a Landmark subsidiary and so licences are shared for this data

FOR INFORMATION ONLY

6 Quality

6.1 The Participant must provide full details of the embedded quality control processes to be employed at each stage of their proposed methodology to be used in the production of the services required for this Tender. The response must detail the process which will be followed before accepting data and materials from any / all sources and how you would ensure that the quality of your processed data meets the downstream deliverables and required AQLs. The response must detail your approach to checking and sampling of data and how this might change dependent on programme requirements. A flowchart must be included in your response illustrating each stage of the process and clearly identifying any quality control gateways. Please also include any accreditations your organization may have such as ISO 9001 or equivalent.





2%

6.2 Please provide a description, data and / or metrics on the expected thematic accuracy of your data (For example, the extent to which the data supplied reflects the real-world) and how you validate this? Please describe if this varies for each of the data asks.



1%

7 Future enhancements

Please describe your plans to improve any processes or methodologies associated with this activity which might be of benefit to OS (for example improved access to Change Intelligence, new technology or more accurate capture methods)?



INFORMATION ONLY

8 Sample data and ongoing data process

Please describe if the sample data you have supplied through the Test Area has been provided via an established process similar to the process that would be used to provide ongoing supplies on award of contract? If not, how might the process differ post-award? Participants who provide evidence of a robust process for the provision of data will score higher marks.



1%

9 Test Area

This question relates to the test area. Data supplied by participants will be validated and awarded a score based on the requirements outlined in the Test Area section. If a score of **0** is applied, the Participant may be **eliminated**.

>95%	15%
95% >= 90%	12%
90% >= 75%	9%
75% >= 60%	6%
<60%	0%

75% - 60%

15%

Please note: You may be asked to provide evidence to support any of the answers you give in response to all of the questions in this response document should you be successful at tender.