Infrastructure Building and Construction Panel

Standing Offer Arrangement (SOA)  
IBCP SOA Part D – Mobile Laser Scanning (MLS) Survey Details

Invitation

SOA Reference No. TMR12920

State of Queensland action through the Department of Transport and Main Roads

December 2023

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# IBCP SOA Part D – MLS Survey Details

The Supplier must provide evidence to demonstrate compliance of all requirements.

# Supplier's Company Details

|  |  |
| --- | --- |
| Company legal name | Supplier to insert |
| Also known as name | Supplier to insert other registered business name |

# Minimum Standards

The uncertainty values as stated below represent the minimum standards that Transport and Main Roads uses for MLS survey for Project Pointcloud (PPC) and Ground and Feature Models (GFM).

|  |  |
| --- | --- |
| Horizontal uncertainties | Vertical uncertainties |
| Survey: 25 mm  Relational: 20 mm + 5 ppm | Survey: 15 mm  Relational: 10 mm + 5 ppm |

Note: Transport and Main Roads MLS Technical Guideline, GNSS Control Surveys and MLS Technical Guideline Checklist represent minimum standards. Refer to the following link for details: [Surveying support documents](https://www.tmr.qld.gov.au/business-industry/Technical-standards-publications/Surveying-support-documents)

# Highest Accuracy

The Supplier must identify the highest accuracy of which its system and processes can achieve. The stated accuracy must be better than the minimum standards as specified above.

|  |  |
| --- | --- |
| Horizontal uncertainties | Vertical uncertainties |
| Survey: Supplier to insert  Relational: Supplier to insert | Survey: Supplier to insert  Relational: Supplier to insert |
| Supplier to insert other details | |

# Equipment, System and Software

The Supplier must specify the equipment, system and software used to achieve the stated highest accuracy for MLS survey projects.

|  |
| --- |
| Supplier to insert |

# Process and Methodology

The Supplier must specify the process and methodology in delivering and achieving the stated highest accuracy for MLS survey projects.

|  |
| --- |
| Supplier to insert |

# Transport and Main Roads Project Examples (where applicable)

The Supplier must provide project examples, including project details and contact details, for Transport and Main Roads verification of the stated processes, methodologies and highest accuracy.

|  |
| --- |
| Supplier to insert |

# Other Australian State Road Authorities Project Examples (where applicable)

The Supplier must provide project examples, including project details and contact details, for Transport and Main Roads verification of the stated processes, methodologies and highest accuracy.

|  |
| --- |
| Supplier to insert other details |

# Transport and Main Roads Specification Compliance

The Supplier must provide clear evidence that the works comply with TMR Surveying Standards and MLS Technical Guideline.

|  |
| --- |
| Supplier to insert other details |

# MLS Pointcloud Capability

The Supplier must provide clear evidence demonstrating relevant skills, knowledge and experience in capturing and processing MLS Pointcloud, as well as extraction of ground and feature models from MLS Pointcloud.

|  |
| --- |
| Supplier to insert other details |

# MLS Survey Client Referee

The Supplier must provide contact details of at least one Client Referee. An Eligible Customer will contact the Client Referee to discuss compliance and client's satisfaction of the above details.

|  |
| --- |
| Supplier to insert other details |