

# REMOTE SENSING SERVICES & EQUIPMENT PREQUALIFICATION SCHEME

The Remote Sensing Services and Equipment Prequalification Scheme (SCM5841) comprises the following categories and sub-categories.

## Schedule A – Aircraft Services

Remote sensing capable fixed wing aircraft and helicopters and / or their operation and maintenance.

CODE	TITLE	DESCRIPTION
A1	<b>Aircraft</b>	A piloted aircraft suitable to have a LiDAR or imagery sensor installed with approved maintenance schedule.
A2	<b>Aircraft Operation and Maintenance</b>	Piloting and maintenance of aircraft.

## Schedule B – Data and Processing

Remote sensing data that defines the Earth's above ground and below water surface, and depict height information, vegetation, floods, and other special conditions and features. Typically collected from aerial imagery, satellite imagery, or active sensors such as LiDAR and RADAR.

CODE	TITLE	DESCRIPTION
B1	<b>Satellite Data Capture and Processing</b>	Imagery data and elevation information that has been captured by or derived from satellite-based sensors at a range of different resolutions.
B2	<b>Airborne Imagery Capture and Processing</b>	Imagery that has been captured by airborne sensors in the visible and infrared wavelengths at a range of resolutions; the process of editing Digital Surface Models for the purpose of creating an orthorectified imagery mosaic; the process of removing perspective distortions and relief effects for the purpose of creating a planimetrically correct image; and elevation information that has been derived using photogrammetric processing techniques of airborne imagery.
B3	<b>Airborne LiDAR Data Capture and Processing</b>	Elevation information that has been captured by airborne LiDAR sensors at a range of different point densities; and the process of matching elevation information together to create a seamless dataset.
B4	<b>Radar Data Capture and Processing</b>	Imagery data and elevation information that has been captured by airborne RADAR sensors at a range of different resolutions.
B5	<b>Terrestrial Data Capture and Processing</b>	Imagery and elevation information that has been captured with sensors located on the surface of the earth.
B6	<b>Bathymetric Data Capture and Processing</b>	Surface depth information that has been captured by a LiDAR sensor or Sonar sensor.

## Schedule C – Remote Sensing Hardware and Software

Equipment that captures various wavelengths across the electromagnetic spectrum; and equipment that uses technology to measure the distance from the sensor to the target feature.

CODE	TITLE	DESCRIPTION
C1	<b>RPAS</b>	A remotely piloted aircraft system (RPAS) fitted with a sensor to capture imagery or elevation data.
C2	<b>Cameras and Lenses</b>	Hand held digital imaging equipment.
C3	<b>Remote Sensors</b>	Specialised equipment for capturing remotely sensed data.
C4	<b>Surveying Equipment</b>	Surveying equipment for the purpose of positioning remote sensing data.
C5	<b>Remote Sensing Software</b>	Specialist software for the processing, interpretation, classification and interpretation of remotely sensed data.