

## Information Guide – Maritime Property

# Submitting Geospatial Data to Roads and Maritime Services

This information guide clarifies the requirements for geospatial data and associated documentation in the context of development on Roads & Maritime land.

### Development proposals

Roads & Maritime requires that the site plan submitted with any application for development approval or future tenure agreement (i.e. the plan showing the layout of proposed works in the context of existing structures, cadastral boundaries, etc.) also be supplied as a data file in DWG, DXF or shapefile format.

This data file must be geo-referenced to the Map Grid of Australia (MGA) coordinates in metres on the Geocentric Datum of Australia (GDA94). The lines in the file should be grouped into layers in such a way to clearly indicate which type of feature is represented by each layer.

With the data thus provided in real-world coordinates and in layers we can then proceed to extract the footprint of the proposal and load it into our geographic information system (GIS). This in turn enables us to establish the proposed occupation of Roads & Maritime land and associated area to be leased or licensed, as well as view and assess the development in relation to neighbouring sites, navigation concerns, etc.

### Land surveys

In cases where surveys of structures are required in relation to development on Roads & Maritime land (typically being “work-as-executed” or detail surveys), a data file geo-referenced to the Map Grid of Australia (MGA) coordinates on the Geocentric Datum of Australia (GDA94) in DWG, DXF or shapefile format must be provided. The lines in the file should be grouped into layers in such a way to clearly indicate which type of feature is represented by each layer

A PDF file of the resulting plan/diagram of survey must also be supplied. This plan/diagram is to be signed by a registered land surveyor, unless otherwise agreed to by the Maritime Survey Manager prior to the survey being undertaken, and is to include all the usual title block details such as the site description, surveyor’s name and date of survey, plan scale, datum, etc.

### Hydrographic surveys

In cases where surveys of the waterway bed are required, the Information Guide for Hydrographic and Geotechnical Data sets out Roads & Maritime’s specifications for depth data and associated documentation and can be accessed on the Roads & Maritime website.

In summary, we ask for five things:

1. a copy plan of the survey, signed by the surveyor;
2. a geo-referenced data file containing the surveyed depths, also known as the “xyz” file;
3. a georeferenced CAD file containing the depths and interpolated contours as shown on the plan (usually in DWG/DXF format);
4. an indemnity and release form signed by the surveyor (Attachment 1 of the Guidelines); and

5. a method statement signed by the surveyor (Attachment 2 of the Guidelines).

For works on Roads & Maritime land that involves dredging, we would normally expect the above information to be provided for both pre- and post-dredge surveys.

**Important Note:** This document does not constitute legal advice and provides guidance only. Users are advised to seek professional advice and refer to the relevant legislation as necessary, before taking action in relation to any matters covered by this document.

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