

Mapping Guidelines - Appendix 7(d)

Required Structure of CAD Files for Registration Purposes (excluding scheme developments)

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Please note, this Mapping Guidelines, Appendix 7(d), refers to the lodgement of CAD files for registration purposes, excluding scheme developments. If your CAD file relates to a scheme development please refer to Mapping Guidelines, Appendix 7(a).

1. Requirements

CAD files submitted to the Property Registration Authority (PRA) containing digitised boundary geometry for a registration must conform to the following requirements:

1.1 File format

The file must be in Autodesk DWG format. DXF files generated by non-AutoCAD cannot be accepted as the content of the resulting CAD file cannot be guaranteed consistent with applicant expectations.

1.2 Co-ordinates

All geometry and annotation in the CAD file must be referenced to Irish Transverse Mercator (ITM) coordinates. ITM coordinates are always stated in metres East and North of the adopted ITM origin. E.g. [654321.123 (mE), 654321.123 (mN)]

1.3 Data layers

Data must be structured in standard layers. The data relating to the proposed registration in the CAD file must be structured into PRA standard layers ("LR_" prefix). The geometry delineating the property to be registered should be on a layer called **LR_PLAN_NEW** only. The geometry delineating a right of way/wayleave to be registered should be on a layer called **LR_ROW_NEW** only. All other layers must be removed from the CAD file.

1.4 Line style

Only Continuous Line Style of zero thickness to be used for Plan boundary lines.

1.5 Plan structure

Lines must completely enclose plan areas. The lines representing a boundary for a plan area must be complete and must not leave any gaps in the boundary i.e. closed polygons. Holes in a plan area must be similarly enclosed by lines. Polyline geometry should be broken at each intersection, but should still be snapped together at each intersection.

1.6 Annotation

Annotation must be clear and unambiguous. The size and style of text must be such that it is clear and unambiguous when viewing the complete area of the registration to which it applies. Any closed polygon included should contain a unique label. No hatching or fill should be used.

2. PRA standard layers

A CAD file submitted as part of an application to the PRA must conform to the following Layer standard for details which are directly related to the proposed registration. See examples of DWG & Layer Properties Manager in Figure 1.

Layers:

- **LR_PLAN_NEW** Used for proposed plan area boundaries which are not already part of the Land Registry Map register and any annotation relating to the proposed plan registration, **i.e. Site A (Figure 1)**. All vector geometry supporting plan boundaries must fully enclose the area, the subject of the proposed registration, i.e. closed polygons.
- **LR_ROW_NEW** Used for proposed right of way/wayleave area boundaries which are not already part of the Land Registry Map register and any annotation relating to the proposed right of way/wayleave registration, **i.e. X – Y (Figure 1)**. All vector geometry supporting right of way/wayleave boundaries must fully enclose the area, the subject of the proposed registration, i.e. closed polygons.

The applicant must ensure that all geometric and annotation information pertinent to the processing of the application is included on the PRA standard layers listed above.

- **OSi topographic vector geometry should not be included due to file size issues.**
- **All layers, except LR_PLAN_NEW and LR_ROW_NEW must be removed from the CAD file before submission.**

3. Lodging the CAD File with the PRA

- 3.1 The CAD file must be emailed to spatialquery@prai.ie as a single file. Any referenced geometric data must be bound into the file and any references to images must be removed from the file before it is submitted to PRA.
- 3.2 If the CAD file is found to be compliant, it will be loaded into our internal mapping system and it will be assigned an "S" reference number.
- 3.3 Notification of the CAD file's acceptance and the "S" reference number will be issued to the sender. This "S" reference number must then be included in all documents or correspondence lodged to the PRA for the registration of this site.
- 3.4 There is a nil fee for the CAD file lodgement service provided under this Appendix.

In addition to the CAD file, a hard copy version must be lodged with the registration application that complies with the Land Registry requirements for acceptance of computer generated maps. See **Mapping Guidelines Appendix 4** for these requirements.

In cases of a very large area for which a CAD file has been lodged, hardcopy maps of atypical scales may be acceptable (e.g. 1:5000 and 1:10000). This is predicated on the understanding the CAD file is the map which is used for the application and the hardcopy is a record thereof.

However, where a map may be lodged which would not be acceptable in normal circumstances due to its scale, it is important that confirmation is provided that the hardcopy corresponds with and accurately reflects the CAD map. A letter from the lodging party (or surveyor/engineer who prepared the map) should accompany the application containing a statement to the following effect:

'I confirm that the map attached accurately reflects the CAD file lodged under S2021LR..... , given the limitations of the hardcopy scale, and contains no alterations or variations from that map of any kind.'

1st July 2021

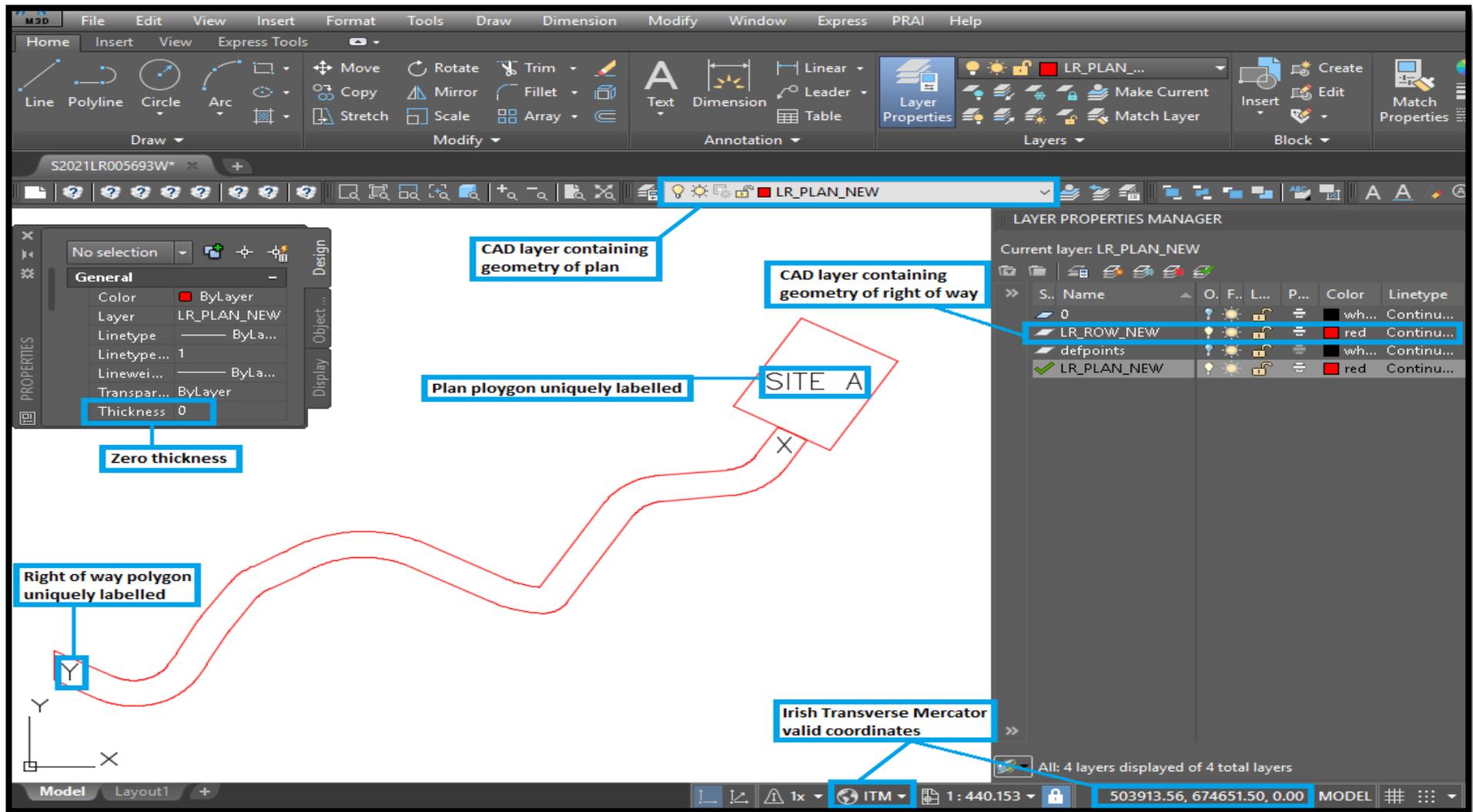


Figure 1. Requirements for the electronic lodgement of proposed registration geometry