How to create new a Terramodel prototype for SPEAR (Rev 08)

To generate PDF plans for submission to SPEAR at Land Victoria using Terramodel, start with a prototype containing the SPEAR Proforma sheets. This document explains how create your new prototype for cadastral projects based on PROTOTYPE_SPEAR_08.PRO. If you already have your own cadastral prototype, see *How to add SPEAR proformas to your Terramodel prototype (Rev08).*

Define your own SPEAR prototype

- Start Terramodel
- Open PROTOTYPE_SPEAR_08 .PRO
- Save the project with a new name (e.g. PROTOTYPE_SPEAR_YOUR COMPANY.PRO) into the Terramodel Search Path (e.g. C:\TMCUSTOM)
- In the Sheet view, edit the text to add your company name, and so on
- Use TEXT, BOX or IMAGE to add your logo or a space for a logo (see below)
- Use SYSTEM command to select the project as your current prototype
- Use PLOTTERSET to add a SPEAR plot configuration (see below)

Colours and lines

Draft on the following layers:

Layer	Line Colour	Penmap	Pen number	Pen width (mm)
DYNAVIEW	56	0	Not plotted	N/A
SPEAR A3	56	0	Not plotted	N/A
SPEAR LOGO	56	0	Not plotted	N/A
SPEAR 0.18	2	2	2	0.18
SPEAR 0.25	3	3	3	0.25
SPEAR 0.35	4	4	4	0.35
SPEAR 0.50	5	5	5	0.50
SPEAR 0.70	6	6	6	0.70

The proforma objects are all colour BYLAYER; therefore do not change the colour of the objects, only the line colours of the layers. Before you create any new text, set the current layer to match the pen thickness you need.

If your penmap is *1_to_1_(except 56=0)* and your carousel is *Black+Grey*, each object on these layers will be plotted with the correct pen width as shown in the table. If you use any other penmap or carousel, set the layers to your own colours that plot to these pen widths.

Options

To create any new SPEAR text styles, use STYLESET with font ISO3096B, justification L/B and orientation Rigid. Text used on the SPEAR layers is 0.20, 0.25, 0.30, 0.35, 0.40 and 0.60 cm in height.

Plotter Configuration

Plans for SPEAR are in submitted in PDF format. First install a Windows PDF printer driver. Then, in Terramodel, use PLOTTERSET command to add a new plotter configuration with the name *SPEAR*. From the Plotter… button, select Windows Printers then your PDF printer. For the pen carousel, select *Black+Grey* or select your own.

Logo

If your company logo is a block or text, replace the text < SURVEY FIRM LOGO > with your block or text on the correct layers for your pen widths. If your logo is an image, replace the text with a pline box on SPEAR LOGO layer at the size and location of your logo. The box will not plot if the colour is mapped to pen 0.

Drafting

Start a new project. Check that the SPEAR proformas are in your Sheet view. Set your Plan view scale. Draft your survey in the Plan view in the normal way. In the Sheet view, use COPY to make as many copies of the proformas as you need. Select by Window or Crossing outside the A3 border, with the "Lay" tick box off so as to keep the layer names. Then use DYNAVIEW insert your plans into the proformas. Before you create any new text in a proforma, use LAYERSET to set the current layer and TEXTSTYLE to set the text style. If your logo is an image, place your logos inside the boxes on the SPEAR LOGO layer, using IMAGE manager or ADDIMAGE. Delete all < LEAVE BLANK > text. Make any other changes to suit each sheet.

Plot

In PLOT command, select Box or Multiple mode, select the A3 boxes for the relevant sheets and then your *SPEAR* plot configuration. Select Setup… to configure the PDF plotter driver resolution to 300 dpi, the paper size to A3 and, if the Available Area does not match the Required Area, the orientation to Landscape or Portrait as required. Then PLOT at a Scale of 1.00 to generate the PDF for SPEAR.

Regards,

Garth Coverdale
Customer Support Engineer
Geocomp Systems
support@geocomp.com.au
Rev 08 (15 May 2015)