

Exercise 6: Create a Simple Diagram

Goal

Create a gain contour diagram and a service area without using a digitizer.

Task 1: Create a gain contour

- In the **Diagram** menu, select **New**, then **Service Area**.
- Accept the satellite position that is proposed.
- The capture functions are to be found in the **Capture** menu. In that menu, select **Gain Contour | By Elevation**.
- You may modify the gain and elevation values, but in order to create a global contour, simply accept the values proposed.

A contour is created on the horizon.

- We must add a boresight which we will place at the sub-satellite point. To do this,
- select the **Capture | Boresight** menu and accept the default values.

Task 2: Create a service area

To create the service area,

- select the **Capture | Service Region | By Country Code or ITU Region** menu.
- In the list of administration codes, select the code for region 1: XR1.

Task 3: Save the diagram

You may now save this diagram.

- If the current database is *work*, select **Diagram | Save**.

This action saves the diagram in the database with which it is associated and whose name is displayed in the diagram title bar.

- If the current database is **not** *work*, change things so that it is, and then select **Diagram | Save As**,

which saves the diagram in the current database and allows you to change the key elements which identify a diagram.

- GIMS will display a dialogue box showing the elements to be saved. Click on OK.
- Then, since the diagram is a new one, we have the possibility to capture its identifiers. Capture a value for each field, without forgetting the service area number (1, for example).
- Click on OK to save the two diagrams (gain contours and service area).

You may now close the new diagram and use the database explorer to check that they have been correctly saved.