

## Urgent Notice for Users of Multidata's Treatment Planning Systems

Multidata has determined that its treatment planning system will accept blocks that are entered improperly (in a manner other than that specified in the user manual). When a block is entered improperly, the results may differ from those expected by the user.

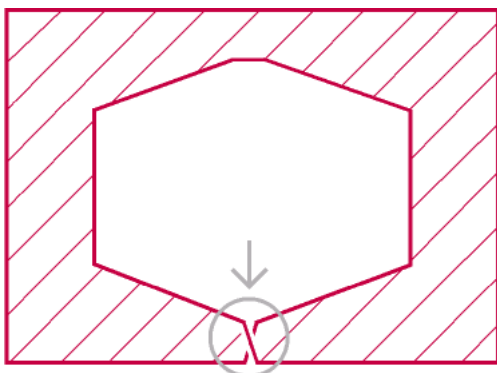


Fig. 1: Incorrect crossing block outline

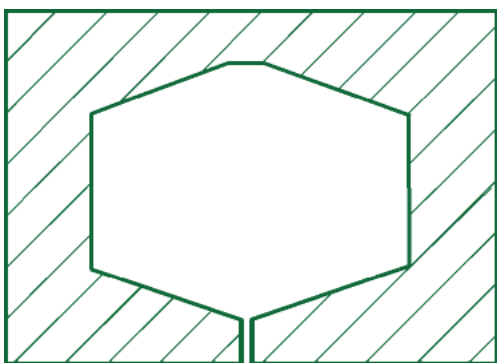


Fig. 3: Safe aperture definition with a single continuous line

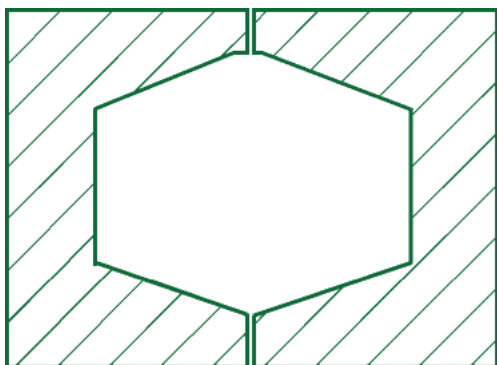


Fig. 4: Recommended aperture definition using two separate blocks

**In BEV, regardless of the direction in which the block is entered or the shape of the block, when the block outline crosses itself (see Fig 1, left) an improper block is created (i.e. not a true polygon.)**

These improper blocks will produce substantially higher values (50 to 500% for MU or TIME-ON) than what one would expect by partially blocking an open field.

**Any time a beam shaping technique alters the MU by more than the Open Field Output Factor range, the plan configuration must be investigated.**

When an improper block (not a true polygon) has been entered, a solid line connects the two block icons in the slice (transverse) view (Fig 2) as shown below.



Fig 2. Solid line connecting block icons in the transverse view

**Whenever this solid line is present, the data entered and plan results should be verified to determine that the results are valid and as expected.** Please note that some properly entered blocks, including those that extend over three sides of the field (Fig 3), will also display this solid line.

To assure that data entry defining an aperture shape is correct, one should use two blocks (Fig 4). Note that outlines of different blocks may overlap; however, if only one block is used, it is essential to verify that the block outline does not cross itself (Fig 3).