



Maritime Stabilized VSAT System



System Mast Template User Instructions

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This information is important and should be noted.



Information given in this message warns of a hazard.



Information given in this warning refers to the only safe method of installation or operation and must be adhered to.

1 INTRODUCTION

1.1 Purpose

The OceanTRx™ 7 Mast Template document details the procedure of using the OceanTRx™ 7 System's Mast Template item. This item is designed for the benefit of Orbit's customers, to optimally prepare the required Mast drilling holes that will be part of the vessel Mast. Those holes will be used to connect the mast with the system's Base Ring.

It is highly recommended to prepare the drilling holes in advance. Such preparation in advanced will support easier and faster installation.

1.2 Principle

The OceanTRx™ 7 Mast Template KIT includes:

- System Outline Dimensions - DCD29-0935 (DCD FOR AL-7107-SYSTEM)
- KIT32-0562-2 (KIT FOR MAST TEMPLATE OceanTRx7):
 - Mast Template
 - Magnets (24 units)

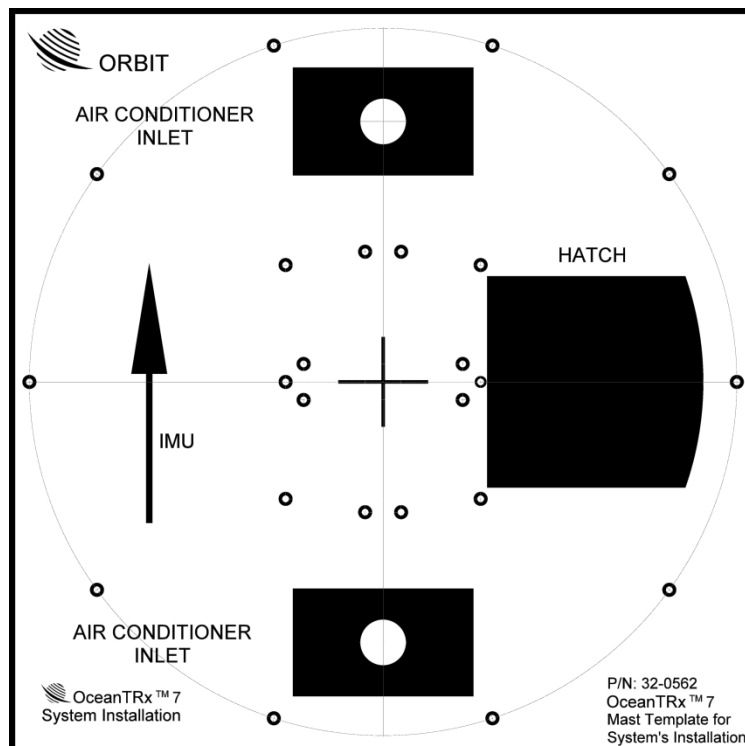


Figure 1-1: Mast Template drawing

2 HOW TO USE THE MAST TEMPLATE

2.1 Placing the Mast Template

- Unpack the Mast Template and place it on the dedicated OceanTRx™ 7 system Vessel Mast.
- Ensure that there are no bumps and potholes on the dedicated Vessel Mast and that the Template is spread straight and tight.
- Secure the Mast Template to the mast itself, using the supplied Magnets, placing one Magnet next to each of the 24 drilling holes (marked with **BOLD** circles on the Mast template).
- Please note that positioning the Template with IMU Arrow pointing to Ship's heading is not mandatory, as the system has Compass Offset Parameter to correct the difference between them.
- Please note that the bottom hatch location and the two air conditioning inlets which appears on the template, should be taken into consideration for the future Radome installation.

2.2 Marking the Drilling Holes Location

- Using a center punches tool, mark the cross center (marked by X) of the 24 drilling holes.
- Validate that the markings will make through-holes in the Mast Template material and reach the vessel Mast.
- Remove the Magnets and the Mast Template.

2.3 Drilling the Holes

- The Drilling should be done perpendicular (vertically) to the Mast plane.
- Drilling the Holes should begin with a small diameter driller of about 5mm and then gradually increased, step-by-step, up to the final diameter of 18mm.



Starting the Drilling with a big diameter driller, above 5mm, can cause a deviation between the holes and will cause difficulties during the System installation on the Vessel Mast.



Once the drilling is completed, please make sure all sharp edges are removed

- It is highly recommend applying a Zinc coating spray (or any similar coating materials) inside the holes, in order to prevent corrosion.