

## Descriptions of AU TU Handling

### 1. Handling of Antenna Frame TU

The Antenna Frame TU is loaded/unloaded via a crane and special-made lifting tooling (prepared by ECRIEE).

Connect the four slings (on top of the lifting tooling) with the lifting hook of the crane, and connect the shackles of the four slings (at bottom of the lifting tooling) with the lifting lug of the transportation tooling at the bottom of antenna frame TU, as shown below.



Fig 1 Antenna Frame TU being Lifted

### 2. Handling of Container TU

The interfaces reserved on the AU Container TU are the same with those on a 20GP standard container, which adopt standard corner fittings, as shown below. Loading and unloading of the AU Container TU can be achieved via either crane or reach stacker.



Fig 2 Container TU Interface

### 1) Via crane

Use four 4-ton slings to attach the shackles or hooks into the four corner fittings on top of the container TU, as shown below.



Fig 3 Container TU being Lifted

### 2) Via reach stacker

Attach the 4 locks (as shown below) on the reach stacker's boom to the 4 corner fittings on top of the container TU, and then rotate 90 degrees to lock the corner fittings. Lift the container by lifting the boom.



Fig 4 Reach stacker

### 3. Handling of Mounting Base TU I

The mounting base TU can be transported by crane or 5t forklift.

During hoisting, two 4-ton slings pass through the bottom of the mounting base TU and with both ends hanging on hooks, as shown below.



Fig 5 Mounting Base TU I being Lifted

#### **4. Handling of Measuring Tooling TU**

Lifting of the measuring tooling TU needs to be done via a crane and special-made lifting tooling (prepared by ECRIEE, also used for lifting of antenna frame TU). The lifting method is the same with the that of the antenna frame TU.



Fig 6 Measuring Tooling TU being Lifted

#### **5. Handling of Assembling Tooling TU**

The assembling tooling TU is loaded and unloaded with a forklift.