

Alpha Satcom, Inc.



Azimuth Repositioning Procedure





**9.0-Mtr Ku-band Lo-PIM
Antenna
Holmdel, N.J.
Note: Azimuth Jack Attached to the
pedestal**

Azimuth Drive System

- ▶ Alpha's response to customer requests for a simpler means of repositioning the azimuth jack is designed into all of our antennas.
- ▶ The approach is to mount the azimuth jack to the pedestal and install a second 'Dead Man' assembly on the foundation.
- ▶ This two position, 180 degree coverage, can be supplied at no additional cost to the customer.
- ▶ By installing the heavy jack drive assembly on the pedestal it is now no longer necessary to unbolt it from the foundation and use fork lifts or cranes to lift and move the jack from one set of anchor bolts to another.
- ▶ It is also not required to disconnect and then reconnect the jack's power supply.

Relocation Procedure

- ▶ Please refer to the photograph of the 9.0-meter at the beginning of this presentation where you can see the pedestal mounting of the jack and the rod end attached to a single 'Dead Man'.
- ▶ For 180 degree coverage, there would be a second 'Dead Man' installed on the foundation.
- ▶ The first step is to tie-off the structure using two come-alongs, in the event of an increase of the wind during the repositioning procedure.
- ▶ Next, under low wind conditions, the bolt attaching the jack rod end to the 'Dead Man' is removed.
- ▶ The antenna structure can then be easily rotated by hand, or by way of the come-alongs, to bring the jack rod end into position on the second 'Dead Man'.
- ▶ The bolt is now inserted into the second 'Dead Man', tightened and the procedure is complete.



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