Boot P/IP

What is a BootP entry?
BootP is a means of reserving a specific hostname and IP address for use by a particular system. It eliminates the need to manually enter or hardcode IP information, thus making moves or changes easier.

How does BootP work?
If properly configured, a booting system will send a request to obtain the TCP/IP information it should use. Included in this request is hardware address and location of the sending system. The BootP/DHCP server searches for an IP address reserved for the sender's address. If a match is not found or the system is not in its home network, the server responds with a DHCP lease, which is automatically renewed every 48 hours. If a match is found (BootP entry), the server responds with the IP address reserved for the sender's system.

The **BootP and IP Assignment Lists** are available for download from dc.cis.okstate.edu.

Requesting a BootP Entry
All BootP requests should be sent via email to **helpdesk@okstate.edu**

Please include:

- Contact information
- The hardware address of the system (also called a MAC address or Adapter address)
- The desired hostname
- The location of the system