



## Auxiliary Power Supply Procedures

### Terminology

- APS – Auxiliary Power Supply unit; the unit affixed to the dolly it has inputs for camlocks (3 phase) and 20 Edison sockets. The unit draws 100A for the 3 phase camlocks and each Edison socket draws a maximum of 20A per circuit up to 200A unless the Camlock adaptors are used; then the Edisons used can draw 100A.
- APS power source – The 3-phase 5 socket unit on the floor of the MPR by the stage; the APS gets plugged into (via Safety Interlock adaptors) it
- Main 3-phase circuit breaker – circuit breaker located in the electric room of the production booth. The switch controls both the production booth lights and the lights from the APS (power)
- Edison Pin – 3 prong household power plug
- Tensa Barrier – brand of barrier that uses a clip-on tape from mounted poles

### Function

- The Auxiliary Power Supply supplements the electrical needs of the Multipurpose Room. The APS has 3 phase 100 Amp power through Camlock adaptors and interfaces the APS via Safety Interlock adaptors™. Also, Edison pin sockets draw power from the same power source (200A /w no camlock use and 100A /w camlock use). Usage requires proper supervision and the proper technical request forms.
- The APS access panel will always be locked with the master switch and the camlock switch in the “off” position. The technical services coordinator and the Director of Student Union & Involvement Services are the only people that have access to the keys; possession of the keys cannot change.
- The APS shall supply power for vendors that require power that exceed the room’s existing electrical outlet supply. In addition, performers can use the APS for lighting and sound power supplies. Any usage of the APS requires approval of the Technical Services Coordinator and a meeting involving the Tech Serv Coord and the customer. All documentation will be on the Tech Request. Proper student staffing is necessary for supervision and no tampering of electrical components is tolerated (rewiring, tapping into the APS by means other than what is supplied).

### Procedure

- Technical Services Coordinator will move the APS from its stored location to a designated location and will connect the APS to its power source. The university Electrician Foreman and the Tech Serv Coord are the only people with privileges to engage the APS.

- Technical Services Coordinator must be present at all times when the APS is engaged into the power outlets on setup and teardown. Supervision also must be present to prevent tampering and Tensa barriers need to surround the APS. The APS presents an extremely lethal device if improperly implemented and used.
- First, all power must be shut off at the main 3-phase breaker (down position) located in the production booth electric room (301). The breaker is the heavy switch in the middle of the blue console.
- It is important not to run any lights from the lighting board in the production booth as it may draw too much power from the APS and blow the breaker. To avoid this, the circuit breaker leading to the dimmer pack in the MPR production electric room must be switched off.
- In addition to the breaker in the electric room of the production booth, the main breaker in the APS also must be switched off before setup. The Technical Services Coordinator will verify or turn off all power sources.
- If camlock adaptors are not used, the breaker for the camlock adaptors must be in the off position. Otherwise, the adaptor ends are live and pose a safety threat. After the devices have been inserted into the APS, the APS master circuit breaker can be turned on. This will require the panel to be unlocked. The panel should always be locked unless the unit is live (in use).
- The APS master circuit breaker is located in the APS panel at the top. The “on” position is up. After the breaker is live, the panel should remain unlocked in case a circuit is blown or we need to cut off power.
- After the event is over, turn off the APS master circuit breaker and the camlock circuit breaker. Lock the panel to the APS and turn off the master auxiliary circuit breaker (in Production booth electric room).
- Turn off the main 3-phase circuit breaker in the electric room of the production booth of the MPR.
- Technical Services Coordinator will return the APS to its location.