

Flight Engineer Virtual Switch Panel

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The *Flight Engineer Switch Panel Layouts* and *Shuttle Switch Panel Layouts* are exact diagrams of the switch panels in the simulator cockpit. The mission control team can use them to assist the flight crew in identifying where specific switches are located. During an emergency they can be useful to locate switches that interact with the off-nominal system and may point the team towards a resolution of the emergency condition.

The *Flight Engineer Virtual Switch Panel Layout* shows all the switches contained in FE switch panel 8, the virtual switches contained in the shuttleswitches.com display. The shuttleswitches.com website is a virtual switch panel that displays additional flight engineer switches related to the Student Astronaut Challenge (SAC) flight simulator Main Propulsion System (MPS), Orbital Maneuvering System (OMS), Reaction Control System (RCS) and Electrical System. The switches can be changed by mouse-click or touch, if you have a touch screen system. These switches are predominately used during intermediate and advanced emergencies. Be aware that the shuttleswitches.com website is an open system and may be accessed by many people at once. When you are training with the site, don't be concerned if some of the switches change as other teams may also be training. The shuttleswitches.com program used by the SAC flight simulator is a dedicated version and is only used by the simulator.

Refer to the [Engineering Switch Panel 8 \(Virtual\)](#) diagram to see all the switches defined in the virtual switch system. All switch panel layouts (physical and virtual) are located at the SAC website (studentastronautchallenge.com) section [Reference Materials>Finals Competition Documentation](#).