

AIRCRAFT ELECTRICAL EVENTS

The event IDs listed here are all related to the aircraft electrical systems.

Alternator

Key	Parameters	Description
<code>ALTERNATOR_OFF</code>	[0]: alternator index	Turns the indexed alternator off. The alternator index is the N index of the <code>alternator.N</code> definition.
<code>ALTERNATOR_ON</code>	[0]: alternator index	Turns the indexed alternator on. The alternator index is the N index of the <code>alternator.N</code> definition.
<code>ALTERNATOR_SET</code>	[0]: The state on/off (bool) [1]: alternator index	Sets the indexed alternator. The alternator index is the N index of the <code>alternator.N</code> definition.
<code>ELECTRICAL_ALTERNATOR_BREAKER_TOGGLE</code>	[0] Source bus index [1] Target alternator index	Toggle the alternator breaker state with a bus. Takes two indices, the bus and the alternator index (see SimVars And Keys for more information). The bus index is the N index of the <code>bus.N</code> definition, and the

		alternator index is the <i>N</i> index of the alternator.N definition.
TOGGLE_ALTERNATOR1 TOGGLE_ALTERNATOR2 TOGGLE_ALTERNATOR3 TOGGLE_ALTERNATOR4	N/A	Toggles alternator/generator 1/2/3/4 switch.
TOGGLE_MASTER_ALTERNATOR	[0]: alternator index	Toggles main alternator/generator switch. The alternator index is the <i>N</i> index of the alternator.N definition.

APU

Key	Parameters	Description
APU_BLEED_AIR_SOURCE_SET	[0]: bool	Sets if the APU is the source of the bleed air system (true) or not (false).
APU_BLEED_AIR_SOURCE_TOGGLE	N/A	Toggle if the APU is the source of the bleed air system or not.
APU_EXTINGUISH_FIRE	[0]: fire extinguisher index	Extinguish fire on APU using the indexed fire extinguisher.
APU_GENERATOR_SWITCH_TOGGLE	N/A	Turn the auxiliary generator on or off.
APU_GENERATOR_SWITCH_SET	[0]: New switch value (0, or 1) [1]: index of the APU switch	Set the auxiliary generator switch (0,1).

<code>APU_OFF_SWITCH</code>	N/A	Turn the APU off.
<code>APU_STARTER</code>	N/A	Start up the auxiliary power unit (APU).

Batteries

Key	Parameters	Description
<code>BATTERY1_SET</code> <code>BATTERY2_SET</code> <code>BATTERY3_SET</code> <code>BATTERY4_SET</code>	[0]: bool	Set the battery 1/2/3/4 switch to on or off.
<code>ELECTRICAL_BATTERY_BREAKER_TOGGLE</code>	[0] Source bus index [1] Target battery index	Toggle the battery breaker state with a bus. Takes two indices, the bus and the battery index (see SimVars And Keys for more information). The bus index is the <i>N</i> index of the <code>bus.N</code> definition, and the circuit index is the <i>N</i> index of the <code>battery.N</code> definition.
<code>MASTER_BATTERY_OFF</code>	[0]: battery index	Turns the indexed battery switch off. The battery index is the <i>N</i> index of the <code>battery.N</code> definition.
<code>MASTER_BATTERY_ON</code>	[0]: battery index	Turns the indexed battery switch on. The battery index is the <i>N</i> index of the <code>battery.N</code> definition.
<code>MASTER_BATTERY_SET</code>	[0]: battery index	Set the battery switch state. The battery

	[1]: bool	index is the N index of the <code>battery.N</code> definition.
<code>TOGGLE_MASTER_BATTERY</code>	[0]: battery index	Toggle battery switch state. The battery index is the N index of the <code>battery.N</code> definition.
<code>TOGGLE_MASTER_BATTERY_ALTERNATOR</code>	[0]: battery index	Toggles master battery and alternator switch
<code>TOGGLE_ELECTRIC_VACUUM_PUMP</code>	N/A	Toggles backup electric vacuum pump

Breakers

String Name	Parameters	Description
<code>BREAKER_AVNFAN_TOGGLE</code>	[0]: circuit.N index [1]: Source bus.N Index	Toggle the Fan breaker
<code>BREAKER_AUTOPILOT_TOGGLE</code>		Toggle the autopilot breaker
<code>BREAKER_GPS_TOGGLE</code>		Toggle the GPS breaker
<code>BREAKER_ADF_TOGGLE</code>		Toggle the ADF breaker
<code>BREAKER_XPNDR_TOGGLE</code>		Toggle the transponder breaker
<code>BREAKER_FLAP_TOGGLE</code>		Toggle the flaps breaker
<code>BREAKER_INST_TOGGLE</code>		Toggle the instruments breaker
<code>BREAKER_TURNCOORD_TOGGLE</code>		Toggle the
<code>BREAKER_INSLTS_TOGGLE</code>		Toggle the
<code>BREAKER_ALTFLD_TOGGLE</code>		Toggle the
<code>BREAKER_WARN_TOGGLE</code>		Toggle the warning breaker
<code>BREAKER_AVNBUS1_TOGGLE</code>		Toggle the
<code>BREAKER_AVNBUS2_TOGGLE</code>		Toggle the

BREAKER_NAVCOM1_TOGGLE		Toggle the NAV / COM 1 breaker
BREAKER_NAVCOM2_TOGGLE		Toggle the NAV / COM 2 breaker
BREAKER_NAVCOM3_TOGGLE		Toggle the NAV / COM 3 breaker
BREAKER_AVNFAN_SET	<p>[0]: circuit.N index</p> <p>[1]: State, either connected (1) or not (0).</p> <p>[2]: Source bus.N Index</p> <p>For legacy aircraft:</p> <p>[0]: State, either connected (1) or not (0).</p>	Set the fan breaker
BREAKER_AUTOPILOT_SET		Set the autopilot breaker
BREAKER_GPS_SET		Set the GPS breaker
BREAKER_NAVCOM1_SET		Set the NAV/COM 1 breaker
BREAKER_NAVCOM2_SET		Set the NAV/COM 2 breaker
BREAKER_NAVCOM3_SET		Set the NAV/COM 3 breaker
BREAKER_ADF_SET		Set the ADF breaker
BREAKER_XPNDR_SET		Set the transponder breaker
BREAKER_FLAP_SET		Set the flaps breaker
BREAKER_INST_SET		Set the instrument breaker
BREAKER_AVNBUS1_SET		Set the
BREAKER_AVNBUS2_SET		Set the
BREAKER_TURNCOORD_SET		Set the
BREAKER_INSTLTS_SET		Set the
BREAKER_ALTFLD_SET		Set the
BREAKER_WARN_SET		Set the warning breaker

Lights

String Name	Parameters	Description
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ALL_LIGHTS_TOGGLE	[0]: light circuit index	Toggle all lights
BEACON_LIGHTS_ON	[0]: light circuit index	Turn beacon lights on
BEACON_LIGHTS_OFF	[0]: light circuit index	Turn beacon lights off
BEACON_LIGHTS_SET	[0]: state, either on (1) or off (0) [1]: light index	Set beacon lights on/off (1,0)
CABIN_LIGHTS_OFF	[0]: light circuit index	Turn cabin lights off
CABIN_LIGHTS_ON	[0]: light circuit index	Turn cabin lights on
CABIN_LIGHTS_SET	[0]: state, either on (1) or off (0) [1]: light index	Set cabin lights on/off (1,0)
GLARESHIELD_LIGHTS_OFF	[0]: light circuit index	Turn glareshield lights off
GLARESHIELD_LIGHTS_ON	[0]: light circuit index	Turn glareshield lights on
GLARESHIELD_LIGHTS_SET	[0]: state, either on (1) or off (0) [1]: light index	Set glareshield lights on/off (1,0)
GLARESHIELD_LIGHTS_TOGGLE	[0]: light circuit index	Toggle glareshield lights
LANDING_LIGHT_DOWN	[0]: light circuit index	Rotate landing light down
LANDING_LIGHT_HOME	[0]: light circuit index	Return landing light to default position
LANDING_LIGHT_LEFT	[0]: light circuit index	Rotate landing light left
LANDING_LIGHT_RIGHT	[0]: light circuit index	Rotate landing light right
LANDING_LIGHT_UP	[0]: light circuit index	Rotate landing light up
LANDING_LIGHTS_ON	[0]: light circuit index	Turn landing lights on

LANDING_LIGHTS_OFF	[0]: light circuit index	Turn landing lights off
LANDING_LIGHTS_SET	[0]: state, either on (1) or off (0) [1]: light index	Set landing lights on/off (1,0)
LANDING_LIGHTS_TOGGLE	[0]: light circuit index	Toggle landing lights
LIGHT_POTENTIOMETER_INC	N/A	
LIGHT_POTENTIOMETER_DEC	N/A	
LIGHT_POTENTIOMETER_SET	[0]: Index [1]: Potentiometer value	
LIGHT_POTENTIOMETER_1_SET LIGHT_POTENTIOMETER_2_SET LIGHT_POTENTIOMETER_3_SET LIGHT_POTENTIOMETER_4_SET LIGHT_POTENTIOMETER_5_SET LIGHT_POTENTIOMETER_6_SET LIGHT_POTENTIOMETER_7_SET LIGHT_POTENTIOMETER_8_SET LIGHT_POTENTIOMETER_9_SET LIGHT_POTENTIOMETER_10_SET LIGHT_POTENTIOMETER_11_SET LIGHT_POTENTIOMETER_12_SET LIGHT_POTENTIOMETER_13_SET LIGHT_POTENTIOMETER_14_SET LIGHT_POTENTIOMETER_15_SET LIGHT_POTENTIOMETER_16_SET LIGHT_POTENTIOMETER_17_SET LIGHT_POTENTIOMETER_18_SET LIGHT_POTENTIOMETER_19_SET LIGHT_POTENTIOMETER_20_SET LIGHT_POTENTIOMETER_21_SET LIGHT_POTENTIOMETER_22_SET LIGHT_POTENTIOMETER_23_SET LIGHT_POTENTIOMETER_24_SET LIGHT_POTENTIOMETER_25_SET LIGHT_POTENTIOMETER_26_SET	[0]: Potentiometer value	

<div>LIGHT_POTENTIOMETER_27_SET</div> <div>LIGHT_POTENTIOMETER_28_SET</div> <div>LIGHT_POTENTIOMETER_29_SET</div> <div>LIGHT_POTENTIOMETER_30_SET</div>		
<div>LOGO_LIGHTS_SET</div>	[0]: state, either on (1) or off (0) [1]: light index	Set logo lights on/off (1,0)
<div>NAV_LIGHTS_ON</div>	[0]: light circuit index	Turn navigation lights on
<div>NAV_LIGHTS_OFF</div>	[0]: light circuit index	Turn navigation lights off
<div>NAV_LIGHTS_SET</div>	[0]: state, either on (1) or off (0) [1]: light index	Set navigation lights on/off (1,0)
<div>PANEL_LIGHTS_ON</div>	[0]: light circuit index	Turn panel lights on
<div>PANEL_LIGHTS_OFF</div>	[0]: light circuit index	Turn panel lights off
<div>PANEL_LIGHTS_SET</div>	[0]: state, either on (1) or off (0) [1]: light index	Set panel lights on/off (1,0)
<div>PANEL_LIGHTS_TOGGLE</div>	[0]: light circuit index	Toggle panel lights
<div>PEDESTRAL_LIGHTS_OFF</div>	[0]: light circuit index	Turn pedestral lights off
<div>PEDESTRAL_LIGHTS_ON</div>	[0]: light circuit index	Turn pedestral lights on
<div>PEDESTRAL_LIGHTS_SET</div>	[0]: state, either on (1) or off (0) [1]: light index	Set pedestral lights on/off (1,0)
<div>PEDESTRAL_LIGHTS_TOGGLE</div>	[0]: light circuit index	Toggle pedestral lights
<div>RECOGNITION_LIGHTS_SET</div>	[0]: state, either on (1) or off (0) [1]: light circuit index	Set recognition lights on/off (1,0)

STROBES_ON	[0]: light circuit index	Turn strobe lights on
STROBES_OFF	[0]: light circuit index	Turn strobe light off
STROBES_SET	[0]: state, either on (1) or off (0) [1]: light index	Set strobe lights on/off (1,0)
STROBES_TOGGLE	[0]: light circuit index	Toggle strobe lights
TAXI_LIGHTS_ON	[0]: light circuit index	Turn taxi lights on
TAXI_LIGHTS_OFF	[0]: light circuit index	Turn taxi light off
TAXI_LIGHTS_SET	[0]: state, either on (1) or off (0) [1]: light index	Set taxi lights on/off (1,0)
TOGGLE_BEACON_LIGHTS	[0]: light circuit index	Toggle beacon lights
TOGGLE_CABIN_LIGHTS	[0]: light circuit index	Toggle cockpit/cabin lights
TOGGLE_LOGO_LIGHTS	[0]: light circuit index	Toggle logo lights
TOGGLE_NAV_LIGHTS	[0]: light circuit index	Toggle navigation lights
TOGGLE_RECOGNITION_LIGHTS	[0]: light circuit index	Toggle recognition lights
TOGGLE_TAXI_LIGHTS	[0]: light circuit index	Toggle taxi lights
TOGGLE_WING_LIGHTS	[0]: light circuit index	Toggle wing lights
WING_LIGHTS_OFF	[0]: light circuit index	Turn wing lights off
WING_LIGHTS_ON	[0]: light circuit index	Turn wing light on
WING_LIGHTS_SET	[0]: state, either on (1) or off (0) [1]: light index	Set wing lights on/off (1,0)

Miscellaneous

Event Name	Parameters	Description
ELECTRICAL_BUS_BREAKER_TOGGLE	[0]: Source bus index [1]: Target Bus Index	Toggle the breaker between busses. Takes two indices, the source and the target bus (see And Keys for more information). The N index of the definition.
ELECTRICAL_BUS_TO_ALTERNATOR_CONNECTION_TOGGLE	[0]: Source bus index [1]: Alternator index	Toggle alternator connection state with a bus. Takes two indices, the bus and an alternator (see SimVars And Keys for more information). The bus index is the $bus.N$ definition, and the alternator index is the $alternator.N$ definition.
ELECTRICAL_BUS_TO_BATTERY_CONNECTION_TOGGLE	[0]: Source bus index [1]: battery index	Toggle battery connection state with a bus. Takes two indices, the bus and a battery (see SimVars And Keys for more information). The bus index is the $bus.N$ definition, and the battery index is the $battery.N$ definition.
ELECTRICAL_BUS_TO_BUS_CONNECTION_TOGGLE	[0]: Source bus index [1]: bus index	Toggle bus connection state with a bus. Takes two indices, the initial bus and the target bus (see SimVars And Keys for more information). The N index is the $bus.N$ definition in the definition.
ELECTRICAL_BUS_TO_CIRCUIT_CONNECTION_TOGGLE	[0]: Source bus index	Toggle circuit connection state with a bus. Takes two indices, the initial bus and the target circuit (see SimVars And Keys for more information). The N index is the $bus.N$ definition in the definition.

	[1]: circuit index	the bus and the circuit (SimVars And Keys for more information). The bus is the N index of the <code>bus</code> definition, and the circuit index is the value assigned to the circuit <i>Type</i> when the circuit <code>circuit.N</code> was defined.
ELECTRICAL_BUS_TO_EXTERNAL_POWER_CONNECTION_TOGGLE	[0]: Source bus index [1]: external power index	Toggle external power connection state with a bus. Takes two indices, the bus and the external power (see SimVars And Keys for more information). The bus index is the N index of the <code>bus.N</code> definition, and the external power index is the N index of the <code>external_power.N</code> definition.
ELECTRICAL_CIRCUIT_BREAKER_TOGGLE	[0] Source bus index [1] Target circuit index	Toggle the circuit breaker state with a bus. Takes two indices, the bus and the circuit (see SimVars And Keys for more information). The bus index is the N index of the <code>bus.N</code> definition, and the circuit index is the N index of the <code>circuit.N</code> definition.
ELECTRICAL_CIRCUIT_POWER_SETTING_SET	[0]: circuit index [1]: circuit power setting (%)	Set circuit power setting. Takes two indices, the circuit and the power setting (see SimVars And Keys for more information). The circuit is the value assigned to the circuit <i>Type</i> when it was defined.
ELECTRICAL_CIRCUIT_TOGGLE	circuit index	Toggle the circuit switch state. The value assigned to the circuit <i>Type</i> when the <code>circuit.N</code> was defined.

ELECTRICAL_EXECUTE_PROCEDURE	[0]: procedure index [1]: bInverse (optional)	Execute procedure bInverse as an optional argument
ELECTRICAL_EXTERNAL_POWER_BREAKER_TOGGLE	[0] Source bus index [1] Target external power index	Toggle the external breaker state with Takes two indices, the external power SimVars And Keys information). The N index of the definition, and the power index is the the externalpower.
PANEL_LIGHTS_POWER_SETTING_SET	[0]: panel light circuit index [1]: power setting (%)	Set panel light circuit setting. Takes two circuit and the power (see SimVars And I more information). is the value assigned circuit <i>Type</i> when it was defined.
CABIN_LIGHTS_POWER_SETTING_SET	[0]: cabin light circuit index [1]: power setting (%)	Set cabin light circuit setting. Takes two circuit and the power (see SimVars And I more information). is the value assigned circuit <i>Type</i> when it was defined.
PEDESTAL_LIGHTS_POWER_SETTING_SET	[0]: pedestal light circuit index [1]: power setting (%)	Set pedestal light circuit setting. Takes two circuit and the power (see SimVars And I more information). is the value assigned circuit <i>Type</i> when it was defined.
GLARESHIELD_LIGHTS_POWER_SETTING_SET	[0]: glare shield light circuit index	Set glare shield light power setting. Take

	[1]: power setting (%)	indices, the circuit power setting (see And Keys for more information). The i value assigned to t <i>Type</i> when the circ defined.
SET_EXTERNAL_POWER	[0]: external power index [1]: The state	Set the external pc state. The index is assigned to the circ the external power