AIRCRAFT MISCELLANEOUS EVENTS

The event IDs listed here are those that are related to aircraft systems, but that don't exactly fit into any of the main categories with dedicated pages for them.

Aircraft Failures

Event Name	Parameters	Description
`LOW_HEIGHT_WARNING_GAUGE_WILL_SET` or `LOW_HIGHT_WARNING_GAUGE_WILL_SET`	N/A	Not currently used in the simulation.
`LOW_HEIGHT_WARNING_SET` or `LOW_HIGHT_WARNING_SET`	N/A	Not currently used in the simulation.
`MASTER_CAUTION_ACKNOWLEDGE`		
`MASTER_CAUTION_OFF`		
`MASTER_CAUTION_ON`		
`MASTER_CAUTION_SET`		
`MASTER_CAUTION_TOGGLE`		
`MASTER_WARNING_ACKNOWLEDGE`		
`MASTER_WARNING_OFF`		
`MASTER_WARNING_ON`		
`MASTER_WARNING_SET`		
`MASTER_WARNING_TOGGLE`		

TOGGLE_ELECTRICAL_FAILURE	N/A	Toggle electrical system failure
TOGGLE_ENGINE1_FAILURE TOGGLE_ENGINE2_FAILURE TOGGLE_ENGINE3_FAILURE TOGGLE_ENGINE4_FAILURE	N/A	Toggle engine 1/2/3/4 failure
TOGGLE_HYDRAULIC_FAILURE	N/A	Toggles hydraulic system failure
TOGGLE_LEFT_BRAKE_FAILURE	N/A	Toggles left brake failure
TOGGLE_PITOT_BLOCKAGE	N/A	Toggles blocked pitot tube
TOGGLE_RIGHT_BRAKE_FAILURE	N/A	Toggles right brake failure
TOGGLE_STATIC_PORT_BLOCKAGE	N/A	Toggles blocked static port
TOGGLE_TOTAL_BRAKE_FAILURE	N/A	Toggles brake failure (both)
TOGGLE_VACUUM_FAILURE	N/A	Toggle vacuum system failure

Landing Gear / Brakes

Event Name	Parameters	Description
ANTISKID_BRAKES_TOGGLE	N/A	Turn the anti-skid braking system on or off.
AXIS_IND_SET ***Deprecated***	-	***Not currently used in the simulation.***
AXIS_LEFT_BRAKE_LINEAR_SET	[0]: the brake position from -16383 to 16383	Sets the left brake position from an axis controller (e.g. joystick) to the value given as the parameter [0], from

		-16383 (0 braking) to +16383 (maximum braking). Note that this is on a **linear** scale: -16383 = 0% 0 = 50% +16383 = 100% ***Not currently used in the simulation.***
`AXIS_LEFT_BRAKE_SET`	[0]: the brake position from -16383 to 16383	Sets the left brake position from an axis controller (e.g. joystick) to the value given as the parameter [0], from -16383 (0 braking) to +16383 (maximum braking). Note that this is on a **non-linear** scale: -16383 = 0% -8191 = 8% 0 = 27% +8191 = 53% +16383 = 100%
`AXIS_RIGHT_BRAKE_LINEAR_SET`	[0]: the brake position from -16383 to 16383	Sets the right brake position from an axis controller (e.g. joystick) to the value given as the parameter [0], from -16383 (0 braking) to +16383 (maximum braking). Note that this is on a **linear** scale: -16383 = 0% 0 = 50% +16383 = 100% **Not currently used in the simulation.**
`AXIS_RIGHT_BRAKE_SET`	[0]: the brake position from -16383 to 16383	Sets the right brake position from an axis controller (e.g. joystick) to the value given as the parameter [0], from -16383

		(0 braking) to +16383 (maximum braking). Note that this is on a **non-linear** scale: -16383 = 0% -8191 = 8% 0 = 27% +8191 = 53% +16383 = 100%
`BRAKES`	N/A	Increment brake pressure
`BRAKES_LEFT`	N/A	Increments left brake pressure
`BRAKES_RIGHT`	N/A	Increments right brake pressure
`GEAR_DOWN`	N/A	Sets gear handle in DOWN position
`GEAR_EMERGENCY_HANDLE_TOGGLE`	N/A	
`GEAR_PUMP`	N/A	Increments emergency gear extension
`GEAR_SET`	[0]: Position	Sets gear handle position up/down (0,1)
`GEAR_TOGGLE`	N/A	Toggle gear handle
`GEAR_UP`	N/A	Sets gear handle in UP position
`PARKING_BRAKES`	N/A	Toggles the parking brake on/off
`PARKING_BRAKE_SET`	[0]: Bool	Set the parking brake on/off
`RETRACT_FLOAT_SWITCH_DEC`	N/A	If the plane has retractable floats, moves the retract position from Extend to Neutral, or Neutral to Retract.

RETRACT_FLOAT_SWITCH_INC	N/A	If the plane has retractable floats, moves the retract position from Retract to Neutral, or Neutral to Extend.

Gliders

Event Name	Parameters	Description
MAC_CREADY_SETTING_DEC	N/A	Decrements the MacCready setting. Default decrement value is 0.1m/s, however holding down the key for more than 1 second will increase the amount to 0.5m/s, and holding it down for more than 2 seconds will further increase this to 1m/s. Note that the resulting value is clamped between 0 and 5 m/s.
MAC_CREADY_SETTING_INC	N/A	Increments the MacCready setting. Default increment value is 0.1m/s, however holding down the key for more than 1 second will increase the amount to 0.5m/s, and holding it down for more than 2 seconds will further increase this to 1m/s. Note that the resulting value is clamped between 0 and 5 m/s.
MAC_CREADY_SETTING_SET	[0]: MacCready value in m/s	Set the MacCready setting to a value between 0 and 5 m/s.
SET_TAIL_HOOK_HANDLE	[0]: TRUE/FALSE to set or retract the tailhook.	Sets the tail hook handle. Takes one of the following values: 1 - set tail hook 0 - retract tail hook

TOGGLE_TAIL_HOOK_HANDLE	N/A	Toggles tail hook.
TOW_PLANE_RELEASE	N/A	Release a towed aircraft, usually a glider.
TOW_PLANE_REQUEST	N/A	Request a tow plane. The user aircraft must be tow-able, stationary, on the ground and not already attached for this to succeed.

Miscellaneous Systems

Event Name	Parameters	Description
ANNUNCIATOR_SWITCH_OFF	N/A	Turns off (0) the annunciator switch.
ANNUNCIATOR_SWITCH_ON	N/A	Turns on (1) the annunciator switch.
ANNUNCIATOR_SWITCH_TOGGLE	N/A	Toggles the annunciator switch off (0) and on (1).
BAIL_OUT	-	***Not used by the simulation***
BLEED_AIR_SOURCE_CONTROL_INC	N/A	Increases the bleed air source control. Order of operation is *Auto -> Off -> APU -> Engines*.
BLEED_AIR_SOURCE_CONTROL_DEC	N/A	Decreases the bleed air source control. Order of operation is

		Engines -> APU -> Off -> Auto.
BLEED_AIR_SOURCE_CONTROL_SET	[0]: source value	Sets the bleed air system source. The input parameter [0] can be one of the following: 0 - auto 1 - off 2 - apu 3 - engines
CABIN_NO_SMOKING_ALERT_SWITCH_TOGGLE	N/A	Turn the "No smoking" alert on or off.
CABIN_SEATBELTS_ALERT_SWITCH_TOGGLE	N/A	Turn the "Fasten seatbelts" alert on or off.
DECREASE_DECISION_HEIGHT	N/A	Decrements the *AGL* decision height reference by 1m.
INCREASE_DECISION_HEIGHT	N/A	Increments the *AGL* decision height reference by 1m.
DECISION_HEIGHT_SET	[0]: height (m)	Set the *AGL* decision height reference, in meters.
DECREASE_DECISION_ALTITUDE_MSL	[0]: amount	Decrements the *MSL* decision height reference by the amount given, or by 10m if no amount is given.
INCREASE_DECISION_ALTITUDE_MSL	[0]: amount	Increments the *MSL* decision

		height reference by the amount given, or by 10m if no amount is given.
SET_DECISION_ALTITUDE_MSL	[0]: height (m)	Set the *MSL* decision height reference, in meters.
EXTINGUISH_ENGINE_FIRE	[0]: combined index (see description)	This key event requires a two digit number for parameter [0]. The first digit represents the fire extinguisher index to use, and the second represents the engine index. For example, a value of 11 would represent using bottle 1 on engine 1. 21 would represent using bottle 2 on engine 1. Typical entries for a twin engine aircraft would be 11 and 22.
HORN_TRIGGER	N/A	Trigger the aircraft horn.
HYDRAULIC_SWITCH_TOGGLE	[0]: TRUE/FALSE to set or the hydraulic switch on/off	Turn the hydraulic switch on or off.
PITOT_HEAT_OFF	N/A	Turns the pitot heat switch off.
PITOT_HEAT_ON	N/A	Turns the pitot heat switch on.

PITOT_HEAT_SET	[0]: TRUE/FALSE to set or the pitot heat switch on/off [1]: Pitot index	Sets the pitot heat switch on/off.
PITOT_HEAT_TOGGLE	N/A	Toggles the pitot heat switch.
TOGGLE_PUSHBACK	N/A	Toggles pushback.
RELEASE_DROPPABLE_OBJECTS	N/A	Release one dropable object. Multiple key events will release multiple objects.
SCRIPT_EVENT_1		
SCRIPT_EVENT_2		
SEE_OWN_AC_OFF	N/A	
SEE_OWN_AC_ON	N/A	
SEE_OWN_AC_SET		
SEE_OWN_AC_TOGGLE	N/A	
SET_WING_FOLD	[0]: TRUE/FALSE to fold or unfold wings.	Sets the wings into the folded position suitable for storage, typically on a carrier. Takes one of the following values: 1 -fold wings 0 - unfold wings
SMOKE_OFF	N/A	Turns the smoke system off.

SMOKE_ON	N/A	Turns the smoke system on.
SMOKE_SET	[0]: TRUE/FALSE to enable/disable the smoke system	Sets smoke system on/off.
SMOKE_TOGGLE	N/A	Toggle smoke system switch.
TOGGLE_ALTERNATE_STATIC	N/A	Toggles alternate static pressure port.
TOGGLE_AIRCRAFT_EXIT	N/A	Toggles primary door open/close. Usually followed by (for example) KEY_SELECT_2, etc... for subsequent doors.
TOGGLE_AIRCRAFT_EXIT_FAST	N/A	
TOGGLE_STRUCTURAL_DEICE	N/A	Toggles structural deice switch.
TOGGLE_TAILWHEEL_LOCK	N/A	Toggles tail wheel lock.
TOGGLE_WATER_BALLAST_VALVE	[0]: valve index from 1 to *n* where *n* is the NumberOfReleaseValves defined in the systems.cfg file.	Turn the indexed water ballast valve on or off.
TOGGLE_WATER_RUDDER	N/A	Toggles water rudders.
TOGGLE_WING_FOLD	N/A	Toggles wing folding.
TUG_DISABLE		Disables tug.

TUG_HEADING	[0]: Heading (0 - 4294967295	Triggers the tug and sets the desired heading. The units are a 32 bit integer (0 to 4294967295) which represent 0 to 360 degrees. To set a 45 degree angle, for example, set the value to 4294967295 / 8.
TUG_SPEED	[0]: Speed (*ft* / s)	Triggers tug, and sets desired speed, in feet per second. The speed can be either positive (forward movement) or negative (backward movement).
WAR_EMERGENCY_POWER		

Sim Control

Event Name	Parameters	Description
BACK_TO_FLY	N/A	This will raise the aircraft off the ground and into flight, or - if already in flight - it will force the aircraft to gain height.

Cabin Pressurization

Event Name	Parameters	Description
PRESSURIZATION_PRESSURE_ALT_INC	N/A	Increases the altitude that the cabin is pressurized to by approximately 50*ft*.
PRESSURIZATION_PRESSURE_ALT_DEC	N/A	Decreases the altitude that the cabin is pressurized to by approximately 50*ft*.
PRESSURIZATION_CLIMB_RATE_INC	N/A	Increment the cabin pressurization by approximately 50*ft*/min step, based on the initialisation value of 500*ft*/min.
PRESSURIZATION_CLIMB_RATE_DEC	N/A	Decrement the cabin pressurization by approximately 50*ft*/min steps based on the initialisation value of 500*ft*/min.
PRESSURIZATION_CLIMB_RATE_SET ***Deprecated***	[0]: Value	Sets the cabin pressurization.
PRESSURIZATION_PRESSURE_DUMP_SWITCH	N/A	Toggles the pressure dump switch between on (sets the cabin pressure to the outside air pressure) and off.

Nose Wheel Steering

Event Name	Parameters	Description
AXIS_STEERING_SET	[0]: Steering position (+/-16384)	Sets the value of the nose wheel steering position. Zero is straight ahead (-16384, far left +16384, far right).
NOSE_WHEEL_STEERING_LIMIT_SET	[0]: Steering position (+/-16383)	Set the steering angle limit for the nose wheel. -180° maps to -16383 and 180° maps to 16383.
STEERING_INC	N/A	Increments the nose wheel steering position by 5 percent.
STEERING_DEC	N/A	Decrements the nose wheel steering position by 5 percent.
STEERING_SET	[0]: Steering position (+/-16383)	Sets the value of the nose wheel steering position. Zero is straight ahead (-16383, far left +16383, far right).

Windshield De-Ice

Event Name	Parameters	Description
WINDSHIELD_DEICE_OFF	N/A	Switches on the windshield deicing system.
WINDSHIELD_DEICE_ON	N/A	Switches off the windshield deicing system.
WINDSHIELD_DEICE_SET	[0]: Bool	Sets the windshield deicing system on or off based on the input parameter [0].

WINDSHIELD_DEICE_TOGGLE	N/A	Toggles the windshield deicing system on and off.

Catapult Launches

Event Name	Parameters	Description
TAKEOFF_ASSIST_ARM_TOGGLE	N/A	Deploy or remove the launch assist arm.
TAKEOFF_ASSIST_ARM_SET	[0]: Bool	Used to set or unset the launch assist arm.
TAKEOFF_ASSIST_FIRE	N/A	If everything is set up correctly. Launch from the catapult.
TOGGLE_LAUNCH_BAR_SWITCH	N/A	Toggle the request for the launch bar to be installed or removed.
SET_LAUNCH_BAR_SWITCH	[0]: Bool	Set the switch of the launch bar extension system to be on or off.

Slings and Hoists ***Deprecated***

Event Name	Parameters	Description
SLING_PICKUP_RELEASE ***Deprecated***		Toggle between pickup and release mode. Hold mode is automatic and cannot be selected.
HOIST_SWITCH_EXTEND ***Deprecated***		The rate at which a hoist cable extends (set in the Aircraft Configuration File)

HOIST_SWITCH_RETRACT **Deprecated**		The rate at which a hoist cable retracts (set in the Aircraft Configuration File).
HOIST_SWITCH_SELECT **Deprecated**		
HOIST_SWITCH_SET **Deprecated**		The hoist control switch setting. Should be set to one of the following values: <0 up 0 off >0 down
HOIST_DEPLOY_TOGGLE **Deprecated**		Toggles the hoist arm switch, extend or retract.
HOIST_DEPLOY_SET **Deprecated**		The hoist deployment setting. The value should be set to one of the following: 0 - set hoist switch to retract the arm 1 - set hoist switch to extend the arm

Weapons *Deprecated*

Event Name	Parameters	Description
GUNSIGHT_SEL **Deprecated**	N/A	*Not used in the*