FLIGHTPLANS

The tables below indicate the requirements for the GPS Variables that can be used to get and set the different GPS properties associated with Flightplans. You can find a complete index of all available GPS Vars here: GPSVar Index

General

GPS Variable	Units	Settable
`FlightPlanTitle`	String	
`FlightPlanDescription`	String	
`FlightPlanIsActiveFlightPlan`	Boolean	
`FlightPlanIsLoadedApproach`	Boolean	
`FlightPlanIsActiveApproach`	Boolean	
`FlightPlanIsActiveWaypoint`	Boolean	
`FlightPlanIsDirectTo`	Boolean	
`FlightPlanDirectToWaypoint`	Number	
`FlightPlanActiveWaypoint`	Number	
`FlightPlanActiveApproachWaypoint`	Number	
`FlightPlanIsActiveWaypointLocked`	Boolean	
`FlightPlanWaypointsNumber`	Number	
`FlightPlanRouteType`	Enum: `DIRECT` (0)	

	`VOR` (1)	
	`LOWALT` (2)	
	`HIGHALT` (3)	
`FlightPlanFlightPlanType`	Enum: `NONE` (0) `VFR` (1) `IFR` (2)	
`FlightPlanCruisingAltitude`	Meters	
`FlightPlanDirectToDestination`	Boolean	
`FlightPlanCancelDirectTo`	Boolean	

Departure

GPS Variable	Units	Settable
`FlightPlanDepartureAirportIdent`	String	
`FlightPlanDepartureName`	String	
`FlightPlanDepartureLatitude`	Degrees	
`FlightPlanDepartureLongitude`	Degrees	
`FlightPlanDepartureAltitude`	Meters	

Destination

GPS Variable	Units	Settable
`FlightPlanDestinationAirportident`	String	

FlightPlanDestinationName	String	
FlightPlanDestinationLatitude	Degrees	
FlightPlanDestinationLongitude	Degrees	
FlightPlanDestinationAltitude	Meters	

Alternate

GPS Variable	Units	Settable
FlightPlanAlternateAirportIdent	String	
FlightPlanAlternateName	String	
FlightPlanAlternateLatitude	Degrees	
FlightPlanAlternateLongitude	Degrees	
FlightPlanAlternateAltitude	Meters	

Approach

GPS Variable	Units	Settable
FlightPlanNewApproachAirport	String	
FlightPlanNewApproachApproach	Number	
FlightPlanNewApproachTransition	Number	
FlightPlanNewApproachMissed	Boolean	

FlightPlanNewApproachAddInitialLeg	Enum: GPS_APPROACH_LOAD_ONLY (1) GPS_APPROACH_LOAD_ACTIVATE (2) GPS_APPROACH_ACTIVATE_VECTORS (3)	
FlightPlanLoadApproach	Boolean	
FlightPlanApproachWaypointType	Enum: NONE (0) FIX (1) PROC_TURN_LEFT (2) PROC_TURN_RIGHT (3) DME_ARC_LEFT (4) DME_ARC_RIGHT (5) HOLDING_LEFT (6) HOLDING_RIGHT (7) DISTANCE (8) ALTITUDE (9) MANUAL_SEQ (10) VECTORS_TO_FINAL (11)	
FlightPlanApproachMode	Enum: NONE (0) TRANSITION (1) FINAL (2) MISSED (3)	
FlightPlanApproachSegmentType	Enum: SEGMENT_LINE (0) SEGMENT_ARC_CW (1) SEGMENT_ARC_CCW (2)	
FlightPlanApproachSegmentDistance	Meters	
FlightPlanApproachSegmentLength	Meters	
FlightPlanApproachIsWaypointRunway	Boolean	
FlightPlanApproachAirportIdent	Runway	
FlightPlanApproachIndex	Number	

`FlightPlanApproachName`	String	
`FlightPlanApproachTransitionIndex`	Number	
`FlightPlanApproachTransitionName`	String	
`FlightPlanIsApproachFinal`	Boolean	
`FlightPlanIsApproachMissed`	Boolean	
`FlightPlanActiveApproachWaypoint`	Number	
`FlightPlanApproachWaypointsNumber`	Number	
`FlightPlanApproachType`	Enum: `UNKNOWN` (0) `VFR` (1) `HEL` (2) `TACAN` (3) `NDB` (4) `LORAN` (5) `RNAV` (6) `VOR` (7) `GPS` (8) `SDF` (9) `LDA` (10) `LOC` (11) `MLS` (12) `ILS` (13)	

Waypoint

GPS Variable	Units	Settable
`FlightPlanAddWaypoint`	Number	
`FlightPlanDeleteWaypoint`	Number	
`FlightPlanWaypointIndex`	Number	

`FlightPlanWaypointLatitude`	Degrees	
`FlightPlanWaypointLongitude`	Degrees	
`FlightPlanWaypointAltitude`	Meters	
`FlightPlanWaypointICAO`	String	
`FlightPlanWaypointIdent`	String	
`FlightPlanWaypointAirwayIdent`	String	
`FlightPlanWaypointType`	Enum: `NONE` (0) `AIRPORT` (1) `INTERSECTION` (2) `VOR` (3) `NDB` (4) `USER` (5) `ATC` (6)	
`FlightPlanWaypointMinAltitude`	Meters	
`FlightPlanWaypointFrequency`	Hz	
`FlightPlanWaypointMagneticHeading`	Degrees	
`FlightPlanWaypointSpeedEstimate`	Meters per Second	
`FlightPlanWaypointDistance`	Meters	
`FlightPlanWaypointDistanceTotal`	Meters	
`FlightPlanWaypointDistanceRemaining`	Meters	
`FlightPlanWaypointRemainingDistance`	Meters	
`FlightPlanWaypointRemainingTotalDistance`	Meters	
`FlightPlanWaypointTimeZoneDeviation`	Seconds	
`FlightPlanWaypointETE`	Seconds	

`FlightPlanWaypointET`	Seconds	
`FlightPlanWaypointATE`	Seconds	
`FlightPlanWaypointAT`	Seconds	
`FlightPlanWaypointEstimatedTimeRemaining`	Seconds	
`FlightPlanWaypointETA`	Seconds	
`FlightPlanWaypointFuelRemainedAtArrival`	Gallons	
`FlightPlanWaypointEstimatedFuelConsumption`	Gallons	
`FlightPlanWaypointActualFuelConsumption`	Gallons	

Waypoint Approach

GPS Variable	Units	Settable
`FlightPlanWaypointApproachIndex`	Number	
`FlightPlanWaypointApproachType`	Enum: `NONE` (0) `FIX` (1) `PROC_TURN_LEFT` (2) `PROC_TURN_RIGHT` (3) `DME_ARC_LEFT` (4) `DME_ARC_RIGHT` (5) `HOLDING_LEFT` (6) `HOLDING_RIGHT` (7) `DISTANCE` (8) `ALTITUDE` (9) `MANUAL_SEQ` (10) `VECTORS_TO_FINAL` (11)	

`FlightPlanWaypointApproachMode`	Enum: `NONE` (0) `TRANSITION` (1) `FINAL` (2) `MISSED` (3)	
`FlightPlanWaypointApproachName`	String	
`FlightPlanWaypointApproachICAO`	String	
`FlightPlanWaypointApproachLatitude`	Degrees	
`FlightPlanWaypointApproachLongitude`	Degrees	
`FlightPlanWaypointApproachAltitude`	Meters	
`FlightPlanWaypointApproachTarget`	Meters	
`FlightPlanWaypointApproachLegDistance`	Meters	
`FlightPlanWaypointApproachLegTotalDistance`	Meters	
`FlightPlanWaypointApproachLegFromDistance`	Meters	
`FlightPlanWaypointApproachRemainingDistance`	Meters	
`FlightPlanWaypointApproachRemainingTotalDistance`	Meters	
`FlightPlanWaypointApproachCourse`	Degrees	

New Waypoint

GPS Variable	Units	Settable
`FlightPlanNewWaypointLatitude`	Degrees	