

Manufacturer List

Parameters

Name	Description
api_key	API key for the request
format	Output format for the result, may be csv or json (default)
manufacturer	Code of the manufacturer as per DOC8643
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
manufacturer_code	string	Code of the aircraft manufacturer
types	number	Number of types listed in ICAO DOC8643 under that manufacturer

Samples

```
"manufacturer_code","types"  
"AIRBUS",86
```

```
[  
  {  
    "types": 86,  
    "manufacturer_code": "AIRBUS"  
  }  
]
```

Aircraft Type Designators

Parameters

Name	Description
api_key	API key for the request
format	Output format for the result, may be csv or json (default)
manufacturer	Code of the manufacturer as per DOC8643
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
manufacturer_code	string	Code of the manufacturer
model_no	string	Model number (if applicable, empty otherwise)
model_name	string	Model name (if applicable, empty otherwise)
model_version	string	Model version (if applicable, empty otherwise)
engine_count	number	Nuber of engines

Field	Type	Description
engine_type	string	Type of engine, one of Jet(J), Piston(P), Turboprop/Turboshaft(T), Electric(E), Rocket(R) or Unknown(?)
aircraft_desc	string	Aircraft category, one of LandPlane(L), Amphibian(A), Helicopter(H), Gyrocopter(G), Tilt-wing(T), SeaPlane(S) or Unknown(?)
description	string	Short code for the description, concatenation of engine type, engine count and aircraft description (e.g. L2J for LanfPlane 2 Jet engines
wtc	string	Wake turbulence category of the aircraft, one of M, L, L/M, H or not applicable(-)
tdesig	string	ICAO Type designator code

Samples

```
"manufacturer_code","model_no","model_name","model_version","engine_count","engine_type","aircraft_desc","description","wtc","tdesig"
"AIRBUS","","ACJ","","2","Jet","LandPlane","L2J","M","A319"
"AIRBUS","A-319","","","2","Jet","LandPlane","L2J","M","A319"
"AIRBUS","A-319","ACJ","","2","Jet","LandPlane","L2J","M","A319"
"AIRBUS","VC-1 ACJ","","","2","Jet","LandPlane","L2J","M","A319"
```

```
[
  {
    "manufacturer_code": "AIRBUS",
    "model_no": "",
    "model_name": "ACJ",
    "model_version": "",
    "engine_count": 2,
    "engine_type": "Jet",
    "aircraft_desc": "LandPlane",
    "description": "L2J",
    "wtc": "M",
    "tdesig": "A319"
  },

```

```
{
  "manufacturer_code": "AIRBUS",
  "model_no": "A-319",
  "model_name": "",
  "model_version": "",
  "engine_count": 2,
  "engine_type": "Jet",
  "aircraft_desc": "LandPlane",
  "description": "L2J",
  "wtc": "M",
  "tdesig": "A319"
},
{
  "manufacturer_code": "AIRBUS",
  "model_no": "A-319",
  "model_name": "ACJ",
  "model_version": "",
  "engine_count": 2,
  "engine_type": "Jet",
  "aircraft_desc": "LandPlane",
  "description": "L2J",
  "wtc": "M",
  "tdesig": "A319"
},
{
  "manufacturer_code": "AIRBUS",
  "model_no": "VC-1 ACJ",
  "model_name": "",
  "model_version": "",
  "engine_count": 2,
  "engine_type": "Jet",
  "aircraft_desc": "LandPlane",
  "description": "L2J",
  "wtc": "M",
  "tdesig": "A319"
}
]
```

Operator 3-letter codes

Parameters

Name	Description
format	Output format for the result, may be csv or json (default)
api_key	API key for the request
states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
operators	Single ICAO 3-letter Operator Code (DOC8585), or comma separated list of such codes

Output

Field	Type	Description
countryName	string	Name of the Country
countryCode	string	ISO 3-Letter Code of the Country
operatorName	string	Name of the operator, searchable

Field	Type	Description
operatorCode	string	ICAO 3-letter code of the operator
telephonyName	string	Short name of the operator

Samples

```
"operatorCode", "operatorName", "telephonyName", "countryName", "countryCode"  
"CLX", "CARGOLUX AIRLINES INTERNATIONAL S.A.", "CARGOLUX", "Luxembourg", "LUX"
```

```
[  
  {  
    "operatorName": "CARGOLUX AIRLINES INTERNATIONAL S.A.",  
    "operatorCode": "CLX",  
    "telephonyName": "CARGOLUX",  
    "countryName": "Luxembourg",  
    "countryCode": "LUX"  
  }  
]
```

IOSA Registered Airlines

Parameters

Name	Description
api_key	API key for the request
states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
format	Output format for the result, may be csv or json (default)
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
operators	Single ICAO 3-letter Operator Code (DOC8585), or comma separated list of such codes

Output

Field	Type	Description
countryName	string	Name of the Country
countryCode	string	ISO 3-Letter Code of the Country
operatorName	string	Name of the operator, searchable

Field	Type	Description
operatorCode	string	ICAO 3-letter code of the operator
Update	string	Date-time the data was last updated from the IATA source

Samples

```
"operatorCode", "operatorName", "countryName", "countryCode", "Update"  
"CLX", "CARGOLUX AIRLINES INTERNATIONAL S.A.", "Luxembourg", "LUX", ""2019-12-  
18T02:18:01.585Z""
```

```
[  
  {  
    "Update": "2019-12-18T02:18:01.585Z",  
    "operatorName": "CARGOLUX AIRLINES INTERNATIONAL S.A.",  
    "operatorCode": "CLX",  
    "countryCode": "LUX",  
    "countryName": "Luxembourg"  
  }  
]
```

Operator Risk Profile

Parameters

Name	Description
api_key	API key for the request
states	ISO 3-letter code of the State, or comma seperated list of such codes or code of an iSTARS group
format	Output format for the result, may be csv or json (default)
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be incapsulated in an object. Optional.
operators	Single ICAO 3-letter Operator Code (DOC8585), or comma seperated list of such codes

Output

Field	Type	Description
countryName	string	Name of the Country
countryCode	string	ISO 3-Letter Code of the Country
operatorName	string	Name of the operator, searchable

Field	Type	Description
operatorCode	string	ICAO 3-letter code of the operator
av_fleet_age	number	Average fleet age in years
aircraft	number	Number of aircraft
models	number	Number of aircraft models
aircraft_over_25y	number	Number of aircraft which have over 25 years
routes	number	Number of route flown (airport pairs)
annual_flights	number	Number of flights in 2016
annual_international_flights	number	Number of international flights in 2016
is_iosa_certified	string	If the operator is IOSA certified (true false)
is_international	string	If the operator has international flights (true false)
accidents_5y	string	Number of accidents in the last 5 years

Samples

```
"operatorCode","operatorName","countryName","countryCode","av_fleet_age","aircraft","models","aircraft_over_25y","routes","connections","destinations","annual_flights","annual_international_flights","is_iosa_certified","is_international","fatalaccidents_5y","accidents_5y"
"CLX","Cargolux","Luxembourg","LUX",10.6,25,1,0,270,225,81,20165,20165,true,true,0,2
```

```
[
  {
    "models": 1,
    "aircraft": 25,
    "is_iosa_certified": true,
    "accidents_5y": 2,
    "fatalaccidents_5y": 0,
    "operatorName": "Cargolux",
    "operatorCode": "CLX",
    "countryName": "Luxembourg",
    "countryCode": "LUX",
    "av_fleet_age": 10.6,
    "aircraft_over_25y": 0,
    "routes": 270,
    "connections": 225,
    "destinations": 81,
    "annual_flights": 20165,
    "annual_international_flights": 20165,
    "is_international": true
  }
]
```

Airport COVID-19 NOTAMs

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

airports	Single ICAO 4-letter Aerdrome Code (DOC7910), or comma separated list of a maximum of 10 such codes
-----------------	---

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

countryName	string	Name of the Country
--------------------	--------	---------------------

countryCode	string	ISO 3-Letter Code of the Country
--------------------	--------	----------------------------------

airportName	string	Name of the airport, searchable
--------------------	--------	---------------------------------

Field	Type	Description
cityName	string	Name of the city, searchable
airportCode	string	ICAO 4-letter code of the airport
latitude	number	Latitude in Decimal degrees
longitude	number	Longitude in Decimal degrees
NoTraffic	string	Whether the airport has less than one flight per day in the last 7 days (TRUE FALSE)
Closed	string	If the airport has a NOTAM which is Q-code FALC (TRUE FALSE), which means the airport is closed
traffic	string	Traffic data of the reference week, previous week and current week (json stringified format)
notams	string	NOTAMS containing COVID or CORONAVIRUS key words for the airport (json stringified format)

Samples

```
cityName, airportCode, countryCode, longitude, NoTraffic, airportName, countryName,
Closed, latitude, traffic
Fujairah, OMFJ, ARE, 56.32416666666667, False, Fujairah
Intl, UAE, False, 25.11222222222222, {"_id":{"5655":"OMFJ"}, "departures": {"5655":1}, "connections":{"5655":1}, "all_departures":{"5655":[1]}, "all_connections":{"5655":[1]}, "all_countries":{"5655":[1]}, "week_departure_diff_pc":{"5655":null}, "week_connections_diff_pc":{"5655":null}, "ref_departure_diff_pc":{"5655":0.0}, "ref_connections_diff_pc":{"5655":0.0}, "date":{"5655":"2020-08-19"}, "airport":{"5655":"OMFJ"}}
```

```
[{"cityName": "Fujairah", "airportCode": "OMFJ", "countryCode": "ARE",
"longitude": "56.32416666666667", "NoTraffic": false, "airportName":
"Fujairah Intl", "countryName": "UAE", "Closed": false, "latitude":
"25.11222222222222", "traffic":
{"_id":{"5655":"OMFJ"},"departures":{"5655":1},"connections":{"5655":1},
"all_departures":{"5655":1},"all_connections":{"5655":1},
"all_countries":{"5655":1},"week_departure_diff_pc":{"5655":null},
"week_connections_diff_pc":{"5655":null},"ref_departure_diff_pc":{"5655":0.0},
"ref_connections_diff_pc":{"5655":0.0},"date":{"5655":"2020-08-19"},"airport":{"5655":"OMFJ"}}}]
```

Departure Delays

Parameters

Name	Description
------	-------------

format	Output format for the result, may be csv or json (default)
---------------	--

airports	Single ICAO 4-letter Aerodrome Code (DOC7910), or comma separated list of a maximum of 10 such codes
-----------------	--

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

icao code	string	ICAO 4-letter code of the airport
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airport	string	Name of the airport
----------------	--------	---------------------

city	string	Name of the city
-------------	--------	------------------

Field	Type	Description
country code	string	ISO 2-Letter Code of the Country
country	string	Name of the Country
date	string	Date of the measurement
datetime	string	Date and time of the measurement
year	number	Year of the measurement
monthyear	string	Month-year of the measurement
observations	number	Number of flights measured in preceeding 3-hour period
flights	number	Number of flights conducted in preceeding 3-hour period
canceled	number	Number of fcanceled flights in preceeding 3-hour period
ontime	number	Number of flights on-time in preceeding 3-hour period
delayed15	number	Number of flights delayed over 15 minutes in preceeding 3-hour period
delayed30	number	Number of flights delayed over 30 minutes in preceeding 3-hour period
delayed45	number	Number of flights delayed over 45 minutes in preceeding 3-hour period

Samples

```
icao code","airport","city","country
code","country","datetime","date","year","monthyear","observations","flights"
,"canceled","ontime","delayed15","delayed30","delayed45"
"ELLX","Luxembourg Airport","Luxembourg","LU","Luxembourg","2020-08-
09T10:00:01.000Z","2020-08-09T00:00:00.000Z",2020,"8-2020",11,11,0,11,0,0,0
"ELLX","Luxembourg Airport","Luxembourg","LU","Luxembourg","2020-08-
09T04:00:01.000Z","2020-08-09T00:00:00.000Z",2020,"8-2020",10,10,0,10,0,0,0
"ELLX","Luxembourg Airport","Luxembourg","LU","Luxembourg","2020-08-
09T22:00:01.000Z","2020-08-09T00:00:00.000Z",2020,"8-2020",0,0,0,0,0,0,0
"ELLX","Luxembourg Airport","Luxembourg","LU","Luxembourg","2020-08-
09T16:00:01.000Z","2020-08-09T00:00:00.000Z",2020,"8-2020",18,18,0,18,0,0,0
"ELLX","Luxembourg Airport","Luxembourg","LU","Luxembourg","2020-08-
09T07:00:01.000Z","2020-08-09T00:00:00.000Z",2020,"8-2020",13,13,0,13,0,0,0
"ELLX","Luxembourg Airport","Luxembourg","LU","Luxembourg","2020-08-
09T19:00:01.000Z","2020-08-09T00:00:00.000Z",2020,"8-2020",9,9,0,9,0,0,0
"ELLX","Luxembourg Airport","Luxembourg","LU","Luxembourg","2020-08-
09T13:00:01.000Z","2020-08-09T00:00:00.000Z",2020,"8-2020",12,12,0,12,0,0,0
"ELLX","Luxembourg Airport","Luxembourg","LU","Luxembourg","2020-08-
10T04:00:01.000Z","2020-08-10T00:00:00.000Z",2020,"8-2020",11,11,0,11,0,0,0
```

```
[
  {
    "flights": 11,
    "delayed30": 0,
    "country": "Luxembourg",
    "icao code": "ELLX",
    "airport": "Luxembourg Airport",
    "city": "Luxembourg",
    "datetime": "2020-08-09T10:00:01.000Z",
    "date": "2020-08-09T00:00:00.000Z",
    "canceled": 0,
    "country code": "LU",
    "year": 2020,
    "ontime": 11,
    "delayed45": 0,
    "observations": 11,
    "monthyear": "8-2020",
    "delayed15": 0
  },
  {
    "flights": 10,
    "delayed30": 0,
    "country": "Luxembourg",
    "icao code": "ELLX",
    "airport": "Luxembourg Airport",
    "city": "Luxembourg",
    "datetime": "2020-08-09T04:00:01.000Z",
    "date": "2020-08-09T00:00:00.000Z",
    "canceled": 0,
    "country code": "LU",
```

```
"year": 2020,
"ontime": 10,
"delayed45": 0,
"observations": 10,
"monthyear": "8-2020",
"delayed15": 0
},
{
"flights": 0,
"delayed30": 0,
"country": "Luxembourg",
"icao code": "ELLX",
"airport": "Luxembourg Airport",
"city": "Luxembourg",
"datetime": "2020-08-09T22:00:01.000Z",
"date": "2020-08-09T00:00:00.000Z",
"canceled": 0,
"country code": "LU",
"year": 2020,
"ontime": 0,
"delayed45": 0,
"observations": 0,
"monthyear": "8-2020",
"delayed15": 0
},
{
"flights": 18,
"delayed30": 0,
"country": "Luxembourg",
"icao code": "ELLX",
"airport": "Luxembourg Airport",
"city": "Luxembourg",
"datetime": "2020-08-09T16:00:01.000Z",
"date": "2020-08-09T00:00:00.000Z",
"canceled": 0,
"country code": "LU",
"year": 2020,
"ontime": 18,
"delayed45": 0,
"observations": 18,
"monthyear": "8-2020",
"delayed15": 0
},
{
"flights": 13,
"delayed30": 0,
"country": "Luxembourg",
"icao code": "ELLX",
"airport": "Luxembourg Airport",
"city": "Luxembourg",
"datetime": "2020-08-09T07:00:01.000Z",
"date": "2020-08-09T00:00:00.000Z",
"canceled": 0,
"country code": "LU",
"year": 2020,
"ontime": 13,
"delayed45": 0,
```

```
"observations": 13,  
"monthyear": "8-2020",  
"delayed15": 0  
},  
...]
```

Location Indicators (DOC7910)

Parameters

Name	Description
airports	Single ICAO 4-letter Aerodrome Code (DOC7910), or comma separated list of a maximum of 10 such codes
api_key	API key for the request
format	Output format for the result, may be csv or json (default)
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
Terr_code	string	DOC7910 code for the territory of the location
State_Name	string	DOC7910 name of the country
ICAO_Code	string	ICAO 4-letter code of the location

Field	Type	Description
AFTN	string	Whether the location is connected to the AFTN
Location_Name	string	DOC7910 city and location name
Lat	string	Latitude in Degrees, Minutes and Seconds
Long	string	Longitude in Degrees, Minutes and Seconds
Latitude	number	Latitude in Decimal degrees
Longitude	number	Longitude in Decimal degrees
codcoun	string	DOC7910 combined location and country code
IATA_Code	string	IATA 3-letter code of the location, if known

Samples

```
"Terr_code","State_Name","ICAO_Code","AFTN","Location_Name","Lat","Long","Latitude","Longitude","codcoun","IATA_Code"
"EL","LUXEMBOURG","ELLX","","LUXEMBOURG/LUXEMBOURG","49:37:24N","006:12:16E",
49.6233333,6.2044444,"ELLuxem","LUX"
```

```
[
  {
    "Terr_code": "EL",
    "State_Name": "LUXEMBOURG",
    "ICAO_Code": "ELLX",
    "AFTN": "",
    "Location_Name": "LUXEMBOURG/LUXEMBOURG",
    "Lat": "49:37:24N",
    "Long": "006:12:16E",
    "Latitude": 49.6233333,
    "Longitude": 6.2044444,
    "codcoun": "ELLuxem",
```

```
    "IATA_Code": "LUX"  
  }  
]
```

Aerodrome Location Indicators

Parameters

Name	Description
------	-------------

state	ISO 3-letter code of the State.
--------------	---------------------------------

airports	Single ICAO 4-letter Aerodrome Code (DOC7910), or comma separated list of a maximum of 10 such codes
-----------------	--

api_key	API key for the request
----------------	-------------------------

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

countryName	string	Name of the Country
--------------------	--------	---------------------

countryCode	string	ISO 3-Letter Code of the Country
--------------------	--------	----------------------------------

Field	Type	Description
airportName	string	Name of the airport
cityName	string	Name of the city
latitude	number	Latitude of the airport in decimal format
longitude	number	Longitude of the airport in decimal format
airportCode	string	ICAO 4-letter code of the airport
geometry	string	GEOJSON geometry Point object

Samples

```
"airportCode","airportName","cityName","countryName","countryCode","latitude"
,"longitude","geometry"
"ELLX","Luxembourg","Luxembourg","Luxembourg","LUX",49.62333333333335,6.2044
444444444444,"{"type":"Point","coordinates":[6.204444444444444,49.623333
333333335]}"
```

```
[
  {
    "countryName": "Luxembourg",
    "countryCode": "LUX",
    "airportName": "Luxembourg",
    "cityName": "Luxembourg",
    "latitude": 49.62333333333335,
    "longitude": 6.204444444444444,
    "airportCode": "ELLX",
    "geometry": {
      "type": "Point",
      "coordinates": [
        6.204444444444444,
        49.62333333333335
      ]
    }
  }
]
```


International Aerodromes

Parameters

Name	Description
format	Output format for the result, may be csv or json (default)
airports	Single ICAO 4-letter Aerodrome Code (DOC7910), or comma separated list of a maximum of 10 such codes
api_key	API key for the request
states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
countryName	string	Name of the Country
countryCode	string	ISO 3-Letter Code of the Country
airportName	string	Name of the airport, searchable

Field	Type	Description
cityName	string	Name of the city, searchable
latitude	number	Latitude of the airport in decimal format
longitude	number	Longitude of the airport in decimal format
airportCode	string	ICAO 4-letter code of the airport
geometry	string	GEOJSON geometry Point object

Samples

```
"airportCode","airportName","cityName","countryName","countryCode","latitude"
,"longitude","geometry"
"ELLX","Luxembourg","Luxembourg","Luxembourg","LUX",49.62333333333335,6.2044
444444444444,"{"type":"Point","coordinates":[6.204444444444444,49.623333
333333335]}"
```

```
[
  {
    "countryName": "Luxembourg",
    "countryCode": "LUX",
    "airportName": "Luxembourg",
    "cityName": "Luxembourg",
    "latitude": 49.62333333333335,
    "longitude": 6.204444444444444,
    "airportCode": "ELLX",
    "geometry": {
      "type": "Point",
      "coordinates": [
        6.204444444444444,
        49.62333333333335
      ]
    }
  }
]
```

Operational Aerodrome Information

Parameters

Name	Description
airports	Single ICAO 4-letter Aerodrome Code (DOC7910), or comma separated list of a maximum of 10 such codes
api_key	API key for the request
states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
format	Output format for the result, may be csv or json (default)
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
FIRname	string	Name of flight information region
FIRcode	string	4-letter code of the flight information region

Field	Type	Description
region	string	Code of the region
latitude	number	Latitude in decimals of the provided location
longitude	number	Longitude in decimals of the provided location
elevation	number	Elevation in meters of the provided location (Source NOAA GLOBE DEM, -500 means ocean/sea)
proc_runways	number	Number of runway ends which have official approach procedures defined
countryCode	string	Code of the State
iatacode	string	IATA code of the airport, if available
is_international	string	Indicates if the aerodrome is international or not (true/false)
countryName	string	Name of the State

Samples

```
"latitude","longitude","proc_runways","airportCode","airportName","countryCode",
"FIRcode","FIRname","region","elevation","countryName","iatacode","is_international"
49.623333333333335,6.204444444444444,2,"ELIX","LUXEMBOURG/LUXEMBOURG","LUX","
EBBU","BRUXELLES","EUR",370,"Luxembourg","LUX",true
```

```
[
  {
    "latitude": 49.623333333333335,
```

```
"longitude": 6.2044444444444444,  
"proc_runways": 2,  
"airportCode": "ELLX",  
"airportName": "LUXEMBOURG/LUXEMBOURG",  
"countryCode": "LUX",  
"FIRcode": "EBBU",  
"FIRname": "BRUXELLES",  
"region": "EUR",  
"elevation": 370,  
"is_international": true,  
"iatacode": "LUX",  
"countryName": "Luxembourg"  
}  
]
```

Airport PBN Implementation

Parameters

Name	Description
------	-------------

airports	Single ICAO 4-letter Aerodrome Code (DOC7910), or comma separated list of a maximum of 10 such codes
-----------------	--

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

countryName	string	Name of the Country
--------------------	--------	---------------------

countryCode	string	ISO 3-Letter Code of the Country
--------------------	--------	----------------------------------

Field	Type	Description
airportName	string	Name of the airport, searchable
cityName	string	Name of the city, searchable
airportCode	string	ICAO 4-letter code of the airport
nb_instr_vg_runways	number	Number of instrument runways with vertical guidance
nb_instr_runways	number	Number of instrument runways
pbn_implementation	number	Percentage of instrument runways with at least one PBN approach (PBN Implementation)
pc_pbn_lnav	number	Percentage of instrument runways with at least one PBN LNAV approach
pc_pbn_lnavnav	number	Percentage of instrument runways with at least one PBN LNAV/VNAV approach
pc_pbn_lpv	number	Percentage of instrument runways with at least one PBN LPV approach
pc_pbn_rnpar	number	Percentage of instrument runways with at least one PBN RNP approach
pc_pbn_unknown	number	Percentage of instrument runways with at least one undefined PBN approach
Year	number	Year-end for PBN statistics
State	string	3-Letter code of the State

Field	Type	Description
IsInternational	string	Whether the airport is an international aerodrome (true false)

Samples

```
"countryName","countryCode","airportName","cityName","airportCode","nb_instr_runways","nb_instr_vg_runways","pbn_implementation","pc_pbn_lnav","pc_pbn_lnavvnav","pc_pbn_lpv","pc_pbn_rnpar","pc_pbn_unknown","Year","IsInternational"
"Luxembourg","LUX","Noertrange","null","ELNT",0,0,null,null,null,null,null,nu
ll,2016,false
"Luxembourg","LUX","Luxembourg","null","ELLX",2,2,0,0,0,0,0,0,2016,true
```

```
[
  {
    "nb_instr_runways": 0,
    "nb_instr_vg_runways": 0,
    "pbn_implementation": null,
    "pc_pbn_lnav": null,
    "pc_pbn_lnavvnav": null,
    "pc_pbn_lpv": null,
    "pc_pbn_rnpar": null,
    "pc_pbn_unknown": null,
    "airportName": "Noertrange",
    "airportCode": "ELNT",
    "cityName": null,
    "countryCode": "LUX",
    "Year": 2016,
    "countryName": "Luxembourg",
    "IsInternational": false
  },
  {
    "nb_instr_runways": 2,
    "nb_instr_vg_runways": 2,
    "pbn_implementation": 0,
    "pc_pbn_lnav": 0,
    "pc_pbn_lnavvnav": 0,
    "pc_pbn_lpv": 0,
    "pc_pbn_rnpar": 0,
    "pc_pbn_unknown": 0,
    "airportName": "Luxembourg",
    "airportCode": "ELLX",
    "cityName": null,
```

```
"countryCode": "LUX",  
"Year": 2016,  
"countryName": "Luxembourg",  
"IsInternational": true  
}  
]
```

International Airport Safety Characteristics

Parameters

Name	Description
------	-------------

airports	Single ICAO 4-letter Aerodrome Code (DOC7910), or comma separated list of a maximum of 10 such codes
-----------------	--

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

countryName	string	Name of the Country
--------------------	--------	---------------------

countryCode	string	ISO 3-Letter Code of the Country
--------------------	--------	----------------------------------

Field	Type	Description
airportName	string	Name of the airport, searchable
cityName	string	Name of the city, searchable
airportCode	string	ICAO 4-letter code of the airport
airnavigation_ei	number	Average effective implementation (%) for AGA and ANS areas, [0%,100%]
airnavigation_margin	number	Margin of effective implementation (%) for air navigation functions with respect the World average, weighted by departures.
hasFullInstrumentVG	string	Whether the airport offers vertical guidance to all its instrument runway ends (true false)
hasInstrumentVG	string	Whether the airport offers vertical guidance to at least one of its instrument runway ends (true false)
hasInstrument	string	Whether the airport has at least one instrument runway end (true false)
IMC	number	Percent of time the airport is in instrument meterological conditions, reference made to 2015
elevation	number	Elevation in meters of the provided location (Source NOAA GLOBE DEM, -500 means ocean/sea)
TerrainAbove300m	string	Percentage of terrain raising more than 300 meters above the airport level in a radius of 20NM (true false)
TerrainAbove600m	string	Percentage of terrain raising more than 600 meters above

Field	Type	Description
		the airport level in a radius of 20NM (true false)
TerrainAbove900m	string	Percentage of terrain raising more than 600 meters above the airport level in a radius of 20NM (true false)
hasIntersectingRWYs	string	Whether the airport has intersecting runways (true false)

Samples

```
"city","name","country","stateAGA","stateANS","hasFullInstrumentVG","hasInstrumentVG","hasInstrument","IMC","airportCode","generated","countryName","hasTerrainAbove300m","isPunctual","hasTerrainIMCNoVG","hasIntersectingRWYs",,,,,true,true,true,18.270585866720353,"ELLX",,"Luxembourg",,,,false
```

```
[
  {
    "countryName": "Luxembourg",
    "countryCode": "LUX",
    "airportName": "Luxembourg",
    "cityName": "Luxembourg",
    "airportCode": "ELLX",
    "airnavigation_margin": 3.36,
    "airnavigation_ei": 56.504999999999995,
    "hasFullInstrumentVG": true,
    "hasInstrumentVG": true,
    "hasInstrument": true,
    "IMC": 18.270585866720353,
    "elevation": 370,
    "TerrainAbove300m": 0,
    "TerrainAbove600m": 0,
    "TerrainAbove900m": 0,
    "hasIntersectingRWYs": false
  }
]
```

Airport Departure Statistics

Parameters

Name	Description
------	-------------

airports	Single ICAO 4-letter Aerdrome Code (DOC7910), or comma seperated list of a maximum of 10 such codes
-----------------	---

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma seperated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-Letter code of the State
--------------	--------	--------------------------------

Field	Type	Description
Name	string	Name of the State
Airport	string	ICAO 4-letter code of the airport
AirportName	string	Name of the airport
Year	number	Year the departures occurred
Departures	number	Total scheduled departures
Domestic	number	Domestic scheduled departures
International	number	International scheduled dpeartures
Connections	number	Total airports served
DomesticConnections	number	Total domestic airports served
InternationalConnections	number	Total international airports served

Samples

```
"State", "Name", "Airport", "AirportName", "Year", "Departures", "Domestic", "International", "Connections", "InternationalConnections", "DomesticConnections"
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2019, 33944, 0, 33944, 173, 173, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2017, 31067, 0, 31067, 157, 157, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2008, 20257, 0, 20257, 88, 88, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2015, 24966, 1, 24965, 161, 160, 1
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2014, 24503, 0, 24503, 154, 154, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2003, 20688, 0, 20688, 97, 97, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2013, 23193, 0, 23193, 155, 155, 0
```

```
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2010, 19325, 0, 19325, 92, 92, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2007, 19421, 0, 19421, 90, 90, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2012, 23060, 0, 23060, 145, 145, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2009, 18930, 0, 18930, 90, 90, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2011, 22424, 0, 22424, 119, 119, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2006, 20034, 0, 20034, 75, 75, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2005, 20432, 0, 20432, 94, 94, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2004, 20300, 0, 20300, 111, 111, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2018, 34234, 0, 34234, 162, 162, 0
"LUX", "Luxembourg", "ELLX", "LUXEMBOURG", 2016, 27283, 0, 27283, 162, 162, 0
```

```
[
  {
    "AirportName": "LUXEMBOURG",
    "State": "LUX",
    "Departures": 33944,
    "International": 33944,
    "Domestic": 0,
    "Connections": 173,
    "InternationalConnections": 173,
    "DomesticConnections": 0,
    "Airport": "ELLX",
    "Year": 2019,
    "Name": "Luxembourg"
  },
  {
    "AirportName": "LUXEMBOURG",
    "State": "LUX",
    "Departures": 31067,
    "International": 31067,
    "Domestic": 0,
    "Connections": 157,
    "InternationalConnections": 157,
    "DomesticConnections": 0,
    "Airport": "ELLX",
    "Year": 2017,
    "Name": "Luxembourg"
  },
  {
    "AirportName": "LUXEMBOURG",
    "State": "LUX",
    "Departures": 20257,
    "International": 20257,
    "Domestic": 0,
    "Connections": 88,
    "InternationalConnections": 88,
    "DomesticConnections": 0,
    "Airport": "ELLX",
    "Year": 2008,
    "Name": "Luxembourg"
  },
  {
    "AirportName": "LUXEMBOURG",
    "State": "LUX",
    "Departures": 24966,
```

```
"International": 24965,
"Domestic": 1,
"Connections": 161,
"InternationalConnections": 160,
"DomesticConnections": 1,
"Airport": "ELLX",
"Year": 2015,
"Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 24503,
  "International": 24503,
  "Domestic": 0,
  "Connections": 154,
  "InternationalConnections": 154,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2014,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 20688,
  "International": 20688,
  "Domestic": 0,
  "Connections": 97,
  "InternationalConnections": 97,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2003,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 23193,
  "International": 23193,
  "Domestic": 0,
  "Connections": 155,
  "InternationalConnections": 155,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2013,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 19325,
  "International": 19325,
  "Domestic": 0,
  "Connections": 92,
  "InternationalConnections": 92,
  "DomesticConnections": 0,
```

```
"Airport": "ELLX",
"Year": 2010,
"Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 19421,
  "International": 19421,
  "Domestic": 0,
  "Connections": 90,
  "InternationalConnections": 90,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2007,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 23060,
  "International": 23060,
  "Domestic": 0,
  "Connections": 145,
  "InternationalConnections": 145,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2012,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 18930,
  "International": 18930,
  "Domestic": 0,
  "Connections": 90,
  "InternationalConnections": 90,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2009,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 22424,
  "International": 22424,
  "Domestic": 0,
  "Connections": 119,
  "InternationalConnections": 119,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2011,
  "Name": "Luxembourg"
},
{
```

```
"AirportName": "LUXEMBOURG",
"State": "LUX",
"Departures": 20034,
"International": 20034,
"Domestic": 0,
"Connections": 75,
"InternationalConnections": 75,
"DomesticConnections": 0,
"Airport": "ELLX",
"Year": 2006,
"Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 20432,
  "International": 20432,
  "Domestic": 0,
  "Connections": 94,
  "InternationalConnections": 94,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2005,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 20300,
  "International": 20300,
  "Domestic": 0,
  "Connections": 111,
  "InternationalConnections": 111,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2004,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 34234,
  "International": 34234,
  "Domestic": 0,
  "Connections": 162,
  "InternationalConnections": 162,
  "DomesticConnections": 0,
  "Airport": "ELLX",
  "Year": 2018,
  "Name": "Luxembourg"
},
{
  "AirportName": "LUXEMBOURG",
  "State": "LUX",
  "Departures": 27283,
  "International": 27283,
  "Domestic": 0,
```

```
"Connections": 162,  
"InternationalConnections": 162,  
"DomesticConnections": 0,  
"Airport": "ELLX",  
"Year": 2016,  
"Name": "Luxembourg"  
}  
]
```

Weather conditions

Parameters

Name **Description**

airports Single ICAO 4-letter Aerodrome Code (DOC7910), or comma separated list of a maximum of 10 such codes

api_key API key for the request

states ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group

format Output format for the result, may be csv or json (default)

callback If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field **Type** **Description**

airport string 4-letter ICAO code of the airport

airport_name string Name of the airport

countryCode string UN country code of the airport

Field	Type	Description
datetime	string	Date and time of the latest METAR (ISO time format)
visibility	number	Visibility and ceiling severity condition at the airport (0-10)
wind	number	Wind severity condition at the airport (0-10)
precipitation	number	Precipitation severity condition at the airport (0-10)
freezing	number	Freezing severity condition at the airport (0-10)
dangerous	number	Dangerous phenomena severity condition at the airport (0-10)
VMC_IMC	number	Indicates in the airport is currently in visual (VMC) or instrument (IMC) meteorological conditions
date	string	Date of this METAR (dd-mm-yy)
raw_metar	string	Latest METAR text message
latitude	string	Latitude of the airport
longitude	string	Longitude of the airport

Samples

```
"airport", "airport_name", "countryCode", "date", "datetime", "raw_metar", "visibility", "wind", "precipitation", "freezing", "dangerous", "VMC_IMC", "latitude", "longitude"
```

```
"ELLX", "LUXEMBOURG/LUXEMBOURG", "LUX", "20-08-22", ""2020-08-22T01:20:00.000Z"", "ELLX 220120Z AUTO 19007KT 9999 SCT043/// BKN049/// BKN055/// 20/18 Q1016 NOSIG 20-08-22", 0, 0, 0, 0, 0, 0, 49.623333333333335, 6.204444444444444
```

```
[  
  {  
    "airport": "ELLX",  
    "visibility": 0,  
    "wind": 0,  
    "precipitation": 0,  
    "freezing": 0,  
    "dangerous": 0,  
    "VMC_IMC": 0,  
    "date": "20-08-22",  
    "airport_name": "LUXEMBOURG/LUXEMBOURG",  
    "latitude": 49.623333333333335,  
    "longitude": 6.204444444444444,  
    "countryCode": "LUX",  
    "raw_metar": "ELLX 220120Z AUTO 19007KT 9999 SCT043/// BKN049/// BKN055/// 20/18 Q1016 NOSIG 20-08-22",  
    "datetime": "2020-08-22T01:20:00.000Z"  
  }  
]
```

METAR Provider Locations

Parameters

Name	Description
------	-------------

airports	Single ICAO 4-letter Aerdrome Code (DOC7910), or comma seperated list of a maximum of 10 such codes
-----------------	---

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma seperated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

latitude	number	Latitude in decimals of the provided location
-----------------	--------	---

longitude	number	Longitude in decimals pf the provided location
------------------	--------	--

countryCode	string	Code of the State
--------------------	--------	-------------------

Field	Type	Description
is_international	string	Indicates if the aerodrome is international or not (true/false)
countryName	string	Name of the State

Samples

```
"airportCode","airportName","countryCode","countryName","latitude","longitude",
,"is_international"
"ELLX","LUXEMBOURG/LUXEMBOURG","LUX","Luxembourg",49.62333333333335,6.204444
4444444444,true
```

```
[
  {
    "latitude": 49.62333333333335,
    "longitude": 6.204444444444444,
    "airportCode": "ELLX",
    "airportName": "LUXEMBOURG/LUXEMBOURG",
    "countryCode": "LUX",
    "is_international": true,
    "countryName": "Luxembourg"
  }
]
```

Airspace COVID-19 NOTAMs

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

firs	ICAO 4-letter code of the Flight Information Region, or comma separated list of a maximum of 10 such codes
-------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

countryName	string	Name of the Country
--------------------	--------	---------------------

countryCode	string	ISO 3-Letter Code of the Country
--------------------	--------	----------------------------------

Field	Type	Description
region	string	ICAO region
FIRname	string	Name of the airspace, searchable
FIRcode	string	ICAO 4-letter code of the airspace
notams	string	NOTAMS containing COVID or CORONAVIRUS key words for the airport (json stringified format)

Samples

FIRcode, region, countryName, countryCode, indexcol, FIRname
BGGL, NAT, Greenland, GRL, BGGL-GRL, SONDRESTROM

```
[{"FIRcode": "BGGL", "region": "NAT", "countryName": "Greenland",  
"countryCode": "GRL", "indexcol": "BGGL-GRL", "FIRname": "SONDRESTROM"}]
```

Flight Information Regions and Elevation - Find by Location

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

format	Output format for the result, may be csv or json (default)
---------------	--

places	GEOJSON coordinate object or a comma separated list of a maximum of 10 of such objects e.g. [-120,50] or [-120,50],[100,-30]
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

FIRname	string	Name of flight information region
----------------	--------	-----------------------------------

FIRcode	string	4-letter code of the flight information region
----------------	--------	--

Field	Type	Description
region	string	Code of the region
latitude	string	Latitude in decimals of the provided location
longititude	string	Longitude in decimals pf the provided location
elevation	number	Elevation in meters of the provided location (Source NOAA GLOBE DEM, -500 means ocean/sea)

Samples

```
"FIRcode","FIRname","region","latitude","longititude","elevation"  
"UATT","AKTAU","EUR",50,50,""
```

```
[  
  {  
    "latitude": 50,  
    "longititude": 50,  
    "elevation": "",  
    "FIRname": "AKTAU",  
    "FIRcode": "UATT",  
    "region": "EUR"  
  }  
]
```

Flight Information Regions - Geographical

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

firs	ICAO 4-letter code of the Flight Information Region, or comma separated list of a maximum of 10 such codes
-------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

type	string	Constant 'Feature'
-------------	--------	--------------------

properties	string	JSON object containing name, code and region name of the FIR
-------------------	--------	--

geometry	string	GEOJSON geometry of type Polygon
-----------------	--------	----------------------------------

Samples

```
"type", "properties.FIRname", "properties.ICAOCODE", "properties.REGION", "properties.centlat", "properties.centlong", "properties.StateCode", "geometry"
"Feature", "FIR
BRUXELLES", "EBBU", "EUR", 50.63011733, 4.60011242, "BEL", "{""coordinates"": [[ [6.011796951000065, 50.75727272100005], [5.651666641000077, 50.82471656800004], [5.848333358000048, 51.139444351000066], [5.078611374000047, 51.39166450500005], [4.397500992000062, 51.45277595500005], [3.952501297000026, 51.21444129900004], [3.3736133570000675, 51.30999946600008], [3.3638896940000222, 51.313608170000066], [3.362226710000405, 51.32000160200005], [3.3705270460000634, 51.36866995200006], [3.370000839000056, 51.369722366000076], [2.000001907000069, 51.50000190700007], [2.000001907000069, 51.11666679400008], [2.541666031000034, 51.09111213700004], [2.635000228000024, 50.819162369000026], [3.154443741000023, 50.78833198600006], [3.2986125950000655, 50.52305030800005], [3.663057327000047, 50.366388321000045], [4.038335800000027, 50.355554581000035], [4.215261459000033, 49.959604263000074], [4.802778244000024, 49.95861244200006], [4.912778855000056, 49.78888893100003], [5.999444962000041, 49.45360756000008], [6.362173080000048, 49.45939064000004], [6.507501602000048, 49.71027565000003], [6.11444664000004, 50.06138801600008], [6.400278092000065, 50.32916450500005], [6.011796951000065, 50.75727272100005]]], ""type"": ""Polygon""}"
```

```
[
  {
    "type": "Feature",
    "properties": {
      "centlong": 4.60011242,
      "FIRname": "FIR BRUXELLES",
      "ICAOCODE": "EBBU",
      "centlat": 50.63011733,
      "REGION": "EUR",
      "StateCode": "BEL",
      "StateName": "Belgium"
    },
    "geometry": {
      "coordinates": [
        [
          [
            6.011796951000065,
            50.75727272100005
          ],
          [
            5.651666641000077,
            50.82471656800004
          ],
          [
            5.848333358000048,
            51.139444351000066
          ],

```

```
[
  5.078611374000047,
  51.39166450500005
],
[
  4.397500992000062,
  51.45277595500005
],
[
  3.952501297000026,
  51.21444129900004
],
[
  3.3736133570000675,
  51.30999946600008
],
[
  3.3638896940000222,
  51.313608170000066
],
[
  3.3622226710000405,
  51.32000160200005
],
[
  3.3705270460000634,
  51.36866995200006
],
[
  3.370000839000056,
  51.369722366000076
],
[
  2.000001907000069,
  51.50000190700007
],
[
  2.000001907000069,
  51.11666679400008
],
[
  2.541666031000034,
  51.09111213700004
],
[
  2.635000228000024,
  50.819162369000026
],
[
  3.154443741000023,
  50.78833198600006
],
[
  3.2986125950000655,
  50.52305030800005
],
[
```

```
    3.663057327000047,
    50.366388321000045
  ],
  [
    4.038335800000027,
    50.355554581000035
  ],
  [
    4.215261459000033,
    49.959604263000074
  ],
  [
    4.802778244000024,
    49.95861244200006
  ],
  [
    4.912778855000056,
    49.78888893100003
  ],
  [
    5.999444962000041,
    49.45360756000008
  ],
  [
    6.362173080000048,
    49.45939064000004
  ],
  [
    6.507501602000048,
    49.71027565000003
  ],
  [
    6.11444664000004,
    50.06138801600008
  ],
  [
    6.400278092000065,
    50.32916450500005
  ],
  [
    6.011796951000065,
    50.75727272100005
  ]
]
],
"type": "Polygon"
}
]
```

Flight Information Regions - Names

Parameters

Name	Description
ANRegion	Air Navigation region, one of AFI, EUR, NAT, CAR, NAM, ASIA, SAM, MID
api_key	API key for the request
states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
firs	ICAO 4-letter code of the Flight Information Region, or comma separated list of a maximum of 10 such codes
format	Output format for the result, may be csv or json (default)
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
-------	------	-------------

Field	Type	Description
FIRname	string	Name of flight information region
FIRcode	string	4-letter code of the flight information region
region	string	Code of the region

Samples

```
"FIRcode","FIRname","region","countryCode","countryName","AREAsqkm"  
"EBBU","BRUXELLES","EUR","BEL","Belgium",35830.677
```

```
[  
  {  
    "FIRcode": "EBBU",  
    "FIRname": "BRUXELLES",  
    "region": "EUR",  
    "countryCode": "BEL",  
    "AREAsqkm": 35830.677,  
    "countryName": "Belgium"  
  }  
]
```

Accidents

Parameters

Name	Description
StateOfOccurrence	ISO 3-letter code of the State the event occurred
format	Output format for the result, may be csv or json (default)
StateOfOperator	ISO 3-letter code of the State of the operator of the aircraft, for scheduled commercial flights only
StateOfRegistry	ISO 3-letter code of the State of Registry of the involved aircraft
api_key	API key for the request
Year	Year the data is related to
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
Date	string	Date the event occurred

Field	Type	Description
StateOfOccurrence	string	ISO 3-letter code of the State the event occurred
Location	string	The place where the event occurred
Model	string	The model of the aircraft
Registration	string	The aircraft registration number
Operator	string	The name of the operator
StateOfOperator	string	ISO 3-letter code of the State of the operator
StateOfRegistry	string	ISO 3-letter code of the State of registry of the aircraft
FlightPhase	string	The flightphase during which the event occurred
Class	string	The ICAO classification of the event
Fatalities	number	The number of fatalities
Over2250	boolean	Wether the aircraft is over 2250 kg MTOW
Over5700	boolean	Wether the aircraft is over 5700 kg MTOW
ScheduledCommercial	boolean	Wether the aircraft was operatoed on a scheduled commercial flight
InjuryLevel	string	The ICAO injury level attached to the event
TypeDesignator	string	The aircraft ICAO type designator

Field	Type	Description
Helicopter	boolean	Wether the aircraft was a helicopter
Airplane	boolean	Wether the aircraft was an airplane
Engines	number	The number of engines
EngineType	number	Type of engine
Official	string	When true, indicates that this event is part of the ICAO official statistics
OccCats	string	List of occurrence categories attached to the event (stringified array, if available)
Year	number	The year during which the event occurred

Samples

```
"Date", "StateOfOccurrence", "Location", "Model", "Registration", "Operator", "StateOfOperator", "StateOfRegistry", "FlightPhase", "Class", "Fatalities", "Over2250", "Over5700", "ScheduledCommercial", "InjuryLevel", "TypeDesignator", "Helicopter", "Airplane", "Engines", "EngineType", "Official", "OccCats", "Risk", "Year"
""2008-01-02T00:00:00.000Z"", "PHL", "Masbate Airport (MBT)", "NAMC YS11 A", "RP-C3592", "Philippines Asian Spirit", "PHL", "PHL", "Landing", "Accident", 0, true, true, true, "None", "YS11", , true, 2, "Turboprop", true, ["RE"], "RS", 2008
```

```
[
  {
    "Date": "2008-01-02T00:00:00.000Z",
    "StateOfOccurrence": "PHL",
    "Location": "Masbate Airport (MBT)",
    "Model": "NAMC YS11 A",
    "Registration": "RP-C3592",
    "Operator": "Philippines Asian Spirit",
    "StateOfRegistry": "PHL",
    "FlightPhase": "Landing",
```

```
"Class": "Accident",
"Fatalities": 0,
"Over2250": true,
"Over5700": true,
"ScheduledCommercial": true,
"InjuryLevel": "None",
"TypeDesignator": "YS11",
"Airplane": true,
"Engines": 2,
"EngineType": "Turboprop",
"StateOfOperator": "PHL",
"Official": true,
"Risk": "RS",
"OccCats": [
  "RE"
],
"Year": 2008
}
]
```

Safety related Occurrences

Parameters

Name	Description
StateOfOccurrence	ISO 3-letter code of the State the event occurred
format	Output format for the result, may be csv or json (default)
StateOfOperator	ISO 3-letter code of the State of the operator of the aircraft, for scheduled commercial flights only
StateOfRegistry	ISO 3-letter code of the State of Registry of the involved aircraft
api_key	API key for the request
Year	Year the data is related to
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
Date	string	Date the event occurred

Field	Type	Description
StateOfOccurrence	string	ISO 3-letter code of the State the event occurred
Location	string	The place where the event occurred
Model	string	The model of the aircraft
Registration	string	The aircraft registration number
Operator	string	The name of the operator
StateOfOperator	string	ISO 3-letter code of the State of the operator
StateOfRegistry	string	ISO 3-letter code of the State of registry of the aircraft
FlightPhase	string	The flightphase during which the event occurred
Class	string	The ICAO classification of the event
Fatalities	number	The number of fatalities
Over2250	boolean	Wether the aircraft is over 2250 kg MTOW
Over5700	boolean	Wether the aircraft is over 5700 kg MTOW
ScheduledCommercial	boolean	Wether the aircraft was operatoed on a scheduled commercial flight
InjuryLevel	string	The ICAO injury level attached to the event
TypeDesignator	string	The aircraft ICAO type designator

Field	Type	Description
Helicopter	boolean	Wether the aircraft was a helicopter
Airplane	boolean	Wether the aircraft was an airplane
Engines	number	The number of engines
EngineType	number	Type of engine
Official	string	When true, indicates that this event is part of the ICAO official statistics
OccCats	string	List of occurrence categories attached to the event (stringified array, if available)
Year	number	The year during which the event occurred

Samples

```
"Date","StateOfOccurrence","Location","Model","Registration","Operator","StateOfOperator","StateOfRegistry","FlightPhase","Class","Fatalities","Over2250","Over5700","ScheduledCommercial","InjuryLevel","TypeDesignator","Helicopter","Airplane","Engines","EngineType","Official","OccCats","Risk","Year"
""2008-01-02T00:00:00.000Z"","PHL","Masbate Airport (MBT)","NAMC YS11 A","RP-C3592","Philippines Asian Spirit","PHL","PHL","Landing","Accident",0,true,true,true,"None","YS11",,true,2,"Turboprop",true,"["RE"]","RS",2008
```

```
[
  {
    "Date": "2008-01-02T00:00:00.000Z",
    "StateOfOccurrence": "PHL",
    "Location": "Masbate Airport (MBT)",
    "Model": "NAMC YS11 A",
    "Registration": "RP-C3592",
    "Operator": "Philippines Asian Spirit",
    "StateOfRegistry": "PHL",
    "FlightPhase": "Landing",
```

```
"Class": "Accident",
"Fatalities": 0,
"Over2250": true,
"Over5700": true,
"ScheduledCommercial": true,
"InjuryLevel": "None",
"TypeDesignator": "YS11",
"Airplane": true,
"Engines": 2,
"EngineType": "Turboprop",
"StateOfOperator": "PHL",
"Official": true,
"Risk": "RS",
"OccCats": [
  "RE"
],
"Year": 2008
}
]
```

Incidents

Parameters

Name	Description
StateOfOccurrence	ISO 3-letter code of the State the event occurred
format	Output format for the result, may be csv or json (default)
StateOfOperator	ISO 3-letter code of the State of the operator of the aircraft, for scheduled commercial flights only
StateOfRegistry	ISO 3-letter code of the State of Registry of the involved aircraft
api_key	API key for the request
Year	Year the data is related to
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
Date	string	Date the event occurred

Field	Type	Description
StateOfOccurrence	string	ISO 3-letter code of the State the event occurred
Location	string	The place where the event occurred
Model	string	The model of the aircraft
Registration	string	The aircraft registration number
Operator	string	The name of the operator
StateOfOperator	string	ISO 3-letter code of the State of the operator
StateOfRegistry	string	ISO 3-letter code of the State of registry of the aircraft
FlightPhase	string	The flightphase during which the event occurred
Class	string	The ICAO classification of the event
Fatalities	number	The number of fatalities
Over2250	boolean	Wether the aircraft is over 2250 kg MTOW
Over5700	boolean	Wether the aircraft is over 5700 kg MTOW
ScheduledCommercial	boolean	Wether the aircraft was operatoed on a scheduled commercial flight
InjuryLevel	string	The ICAO injury level attached to the event
TypeDesignator	string	The aircraft ICAO type designator

Field	Type	Description
Helicopter	boolean	Wether the aircraft was a helicopter
Airplane	boolean	Wether the aircraft was an airplane
Engines	number	The number of engines
EngineType	number	Type of engine
Official	string	When true, indicates that this event is part of the ICAO official statistics
Year	number	The year during which the event occurred

Samples

```
"Date", "StateOfOccurrence", "Location", "Model", "Registration", "Operator", "StateOfOperator", "StateOfRegistry", "FlightPhase", "Class", "Fatalities", "Over2250", "Over5700", "ScheduledCommercial", "InjuryLevel", "TypeDesignator", "Helicopter", "Airplane", "Engines", "EngineType", "Official", "OccCats", "Risk", "Year"
""2008-01-02T00:00:00.000Z"", "USA", "Orlando Sanford, Florida", "BOEING 757 200", "G-CEJM", "", "", "GBR", "En route", "Incident", 0, true, true, true, "None", "ST75", false, true, 1, "Piston", "", "["SCF-PP"]", "SCF", 2008
```

```
[
  {
    "Date": "2008-01-02T00:00:00.000Z",
    "StateOfOccurrence": "USA",
    "Location": "Orlando Sanford, Florida",
    "Model": "BOEING 757 200",
    "Registration": "G-CEJM",
    "Operator": "",
    "StateOfRegistry": "GBR",
    "FlightPhase": "En route",
    "Class": "Incident",
    "Fatalities": 0,
```

```
"Over2250": true,  
"Over5700": true,  
"ScheduledCommercial": true,  
"InjuryLevel": "None",  
"TypeDesignator": "ST75",  
"Helicopter": false,  
"Airplane": true,  
"Engines": 1,  
"EngineType": "Piston",  
"StateOfOperator": "",  
"Official": "",  
"Risk": "SCF",  
"OccCats": [  
  "SCF-PP"  
],  
"Year": 2008  
}  
]
```

Safety related Occurrences - MongoDB query

Parameters

Name	Description
api_key	API key for the request
format	Output format for the result, may be csv or json (default)
querystring	MongoDB-style query string (Find) on output fields
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Field	Type	Description
Date	string	Date the event occurred
StateOfOccurrence	string	ISO 3-letter code of the State the event occurred
Location	string	The place where the event occurred

Field	Type	Description
Model	string	The model of the aircraft
Registration	string	The aircraft registration number
Operator	string	The name of the operator
StateOfOperator	string	ISO 3-letter code of the State of the operator
StateOfRegistry	string	ISO 3-letter code of the State of registry of the aircraft
FlightPhase	string	The flightphase during which the event occurred
Class	string	The ICAO classification of the event
Fatalities	number	The number of fatalities
Over2250	boolean	Wether the aircraft is over 2250 kg MTOW
Over5700	boolean	Wether the aircraft is over 5700 kg MTOW
ScheduledCommercial	boolean	Wether the aircraft was operatoed on a scheduled

Field	Type	Description
		commercial flight
InjuryLevel	string	The ICAO injury level attached to the event
TypeDesignator	string	The aircraft ICAO type designator
Helicopter	boolean	Whether the aircraft was a helicopter
Airplane	boolean	Whether the aircraft was an airplane
Engines	number	The number of engines
EngineType	number	Type of engine
Official	string	When true, indicates that this event is part of the ICAO official statistics
OccCats	string	List of occurrence categories attached to the event (stringified array, if available)
Year	number	The year during which the event occurred

Samples

```
"Date","StateOfOccurrence","Location","Model","Registration","Operator","StateOfOperator","StateOfRegistry","FlightPhase","Class","Fatalities","Over2250","Over5700","ScheduledCommercial","InjuryLevel","TypeDesignator","Helicopter","Airplane","Engines","EngineType","Official","OccCats","Risk","Year"
""2008-01-02T00:00:00.000Z"","PHL","Masbate Airport (MBT)","NAMC YS11 A","RP-C3592","Philippines Asian Spirit","PHL","PHL","Landing","Accident",0,true,true,true,"None","YS11",,true,2,"Turboprop",true,"[""RE"""],"RS",2008
```

```
[
  {
    "Date": "2008-01-02T00:00:00.000Z",
    "StateOfOccurrence": "PHL",
    "Location": "Masbate Airport (MBT)",
    "Model": "NAMC YS11 A",
    "Registration": "RP-C3592",
    "Operator": "Philippines Asian Spirit",
    "StateOfRegistry": "PHL",
    "FlightPhase": "Landing",
    "Class": "Accident",
    "Fatalities": 0,
    "Over2250": true,
    "Over5700": true,
    "ScheduledCommercial": true,
    "InjuryLevel": "None",
    "TypeDesignator": "YS11",
    "Airplane": true,
    "Engines": 2,
    "EngineType": "Turboprop",
    "StateOfOperator": "PHL",
    "Official": true,
    "Risk": "RS",
    "OccCats": [
      "RE"
    ],
    "Year": 2008
  }
]
```

Official Accidents

Parameters

Name	Description
StateOfOccurrence	ISO 3-letter code of the State the event occurred
format	Output format for the result, may be csv or json (default)
StateOfOperator	ISO 3-letter code of the State of the operator of the aircraft, for scheduled commercial flights only
StateOfRegistry	ISO 3-letter code of the State of Registry of the involved aircraft
api_key	API key for the request
Year	Year the data is related to
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
Date	string	Date the event occurred

Field	Type	Description
StateOfOccurrence	string	ISO 3-letter code of the State the event occurred
Location	string	The place where the event occurred
Model	string	The model of the aircraft
Registration	string	The aircraft registration number
Operator	string	The name of the operator
StateOfOperator	string	ISO 3-letter code of the State of the operator
StateOfRegistry	string	ISO 3-letter code of the State of registry of the aircraft
FlightPhase	string	The flightphase during which the event occurred
Class	string	The ICAO classification of the event
Fatalities	number	The number of fatalities
Over2250	boolean	Wether the aircraft is over 2250 kg MTOW
Over5700	boolean	Wether the aircraft is over 5700 kg MTOW
ScheduledCommercial	boolean	Wether the aircraft was operatoed on a scheduled commercial flight
InjuryLevel	string	The ICAO injury level attached to the event
TypeDesignator	string	The aircraft ICAO type designator

Field	Type	Description
Helicopter	boolean	Wether the aircraft was a helicopter
Airplane	boolean	Wether the aircraft was an airplane
Engines	number	The number of engines
EngineType	number	Type of engine
Official	string	When true, indicates that this event is part of the ICAO official statistics
OccCats	string	List of occurrence categories attached to the event (stringified array, if available)
Year	number	The year during which the event occurred

Samples

```
"Date","StateOfOccurrence","Location","Model","Registration","Operator","StateOfOperator","StateOfRegistry","FlightPhase","Class","Fatalities","Over2250","Over5700","ScheduledCommercial","InjuryLevel","TypeDesignator","Helicopter","Airplane","Engines","EngineType","Official","OccCats","Risk","Year"
""2010-08-20T00:00:00.000Z""","NGA","","Boeing 737 (JT8D)","5N-BIF","Chanchangi Airlines","NGA","NGA","Approach","Accident",0,true,true,true,"None","B37M",,true,2,"Jet",true,"[]","RS",2010
```

```
[
  {
    "Date": "2010-08-20T00:00:00.000Z",
    "StateOfOccurrence": "NGA",
    "Location": "",
```

```
"Model": "Boeing 737 (JT8D)",
"Registration": "5N-BIF",
"Operator": "Chanchangi Airlines",
"StateOfRegistry": "NGA",
"FlightPhase": "Approach",
"Class": "Accident",
"Fatalities": 0,
"Over2250": true,
"Over5700": true,
"ScheduledCommercial": true,
"InjuryLevel": "None",
"TypeDesignator": "B37M",
"Airplane": true,
"Engines": 2,
"EngineType": "Jet",
"StateOfOperator": "NGA",
"Official": true,
"Risk": "RS",
"OccCats": [],
"Year": 2010
}
]
```

Accident Statistics - Aggregated by State of Occurrence

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Risk	ICAO safety priority risk category, one of RS, CFIT, LOC-I
-------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Field	Type	Description
Year	number	The year during which the event occurred
Accidents	number	Number of accidents
FatalAccidents	number	Number of fatal accidents
Fatalities	number	Number of fatalities
Departures	number	Number of commercial scheduled departures
AccidentRate	number	Number of accidents per million departures

Samples

"Year","Accidents","Fatalities","FatalAccidents","Departures","AccidentRate"
2008,139,523,22,29347217,4.736394595780581

```
[  
  {  
    "Accidents": 139,  
    "Fatalities": 523,  
    "FatalAccidents": 22,  
    "Year": 2008,  
    "Departures": 29347217,  
    "AccidentRate": 4.736394595780581  
  }  
]
```

Accident Statistics - Aggregated by State of Operator

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Risk	ICAO safety priority risk category, one of RS, CFIT, LOC-I
-------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Field	Type	Description
Year	number	The year during which the event occurred
Accidents	number	Number of accidents
FatalAccidents	number	Number of fatal accidents
Fatalities	number	Number of fatalities
Departures	number	Number of commercial scheduled departures
AccidentRate	number	Number of accidents per million departures

Samples

"Year","Accidents","Fatalities","FatalAccidents","Departures","AccidentRate"
2008,139,523,22,29579394,4.6992172997188515

```
[  
  {  
    "Accidents": 139,  
    "Fatalities": 523,  
    "FatalAccidents": 22,  
    "Year": 2008,  
    "Departures": 29579394,  
    "AccidentRate": 4.6992172997188515  
  }  
]
```

Accident Statistics - Flat by State of Occurrence

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Risk	ICAO safety priority risk category, one of RS, CFIT, LOC-I
-------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Year	number	The year during which the event occurred
-------------	--------	--

Field	Type	Description
State	string	State of occurrence, the State where the accident happened
Accidents	number	Number of accidents
FatalAccidents	number	Number of fatal accidents
Fatalities	number	Number of fatalities
Departures	number	Number of commercial scheduled departures
AccidentRate	number	Number of accidents per million departures

Samples

```
"Year", "Accidents", "Fatalities", "FatalAccidents", "Departures", "AccidentRate",  
"State"  
2008, 3, 0, 0, 0, null,
```

```
[  
  {  
    "Accidents": 3,  
    "Fatalities": 0,  
    "FatalAccidents": 0,  
    "Year": 2008,  
    "Departures": 0,  
    "AccidentRate": null  
  }  
]
```

Accident Statistics - Flat by State of Operator

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Risk	ICAO safety priority risk category, one of RS, CFIT, LOC-I
-------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Year	number	The year during which the event occurred
-------------	--------	--

Field	Type	Description
State	string	State of operator, the State where the operator is registered
Accidents	number	Number of accidents
FatalAccidents	number	Number of fatal accidents
Fatalities	number	Number of fatalities
Departures	number	Number of commercial scheduled departures
AccidentRate	number	Number of accidents per million departures

Samples

```
"Year", "Accidents", "Fatalities", "FatalAccidents", "Departures", "AccidentRate",  
"State"  
2008, 1, 0, 0, 631535, 1.5834435146112251, "FRA"
```

```
[  
  {  
    "Accidents": 1,  
    "Fatalities": 0,  
    "FatalAccidents": 0,  
    "State": "FRA",  
    "Year": 2008,  
    "Departures": 631535,  
    "AccidentRate": 1.5834435146112251  
  }  
]
```

List of OPS Documentation

Parameters

Name	Description
api_key	API key for the request
format	Output format for the result, may be csv or json (default)
docnumber	The number of the document or annex
lang	Language of the document, may be one of the following: en,ar,zh,ru,es,fr
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
doctype	Type of document, must be either 'Annex' or 'Doc'

Output

Field	Type	Description
type	string	Type of SARP, wirthier Annex of Doc
number	string	Document or Annex number
format	string	File format of the document

Field	Type	Description
name	string	Full name of the document
part	string	If applicable, the part number of the document
title	string	The short title of the document
available_languages	string	List of available languages for that document
language	string	Language of the selected document
is_consolidated	boolean	Whether the document is a consolidated version
file_url	string	Link to the file. This is only available for subscribed users

Samples

```
"type","number","name","part","title","is_consolidated","language","available_languages","format","file_url"
"Annex",6,"Annex 6: Operation of Aircraft Part II - International General Aviation - Aeroplanes Current edition (consolidated)"," Part II - International General Aviation - Aeroplanes Current edition (consolidated)","Operation of Aircraft",true,"en","en,ar,es,fr,ru,zh","pdf","Available only for subscribed users"
"Annex",6,"Annex 6: Operation of Aircraft Part III - International Operations - Helicopters Current edition (consolidated)"," Part III - International Operations - Helicopters Current edition (consolidated)","Operation of Aircraft",true,"en","en,ar,zh,ru,es,fr","pdf","Available only for subscribed users"
"Annex",6,"Annex 6: Operation of Aircraft Part I - International Commercial Air Transport - Aeroplanes Current edition (consolidated)"," Part I - International Commercial Air Transport - Aeroplanes Current edition (consolidated)","Operation of
```

Aircraft", true, "en", "en, ar, zh, ru, es, fr", "pdf", "Available only for subscribed users"

```
[
  {
    "type": "Annex",
    "number": 6,
    "format": "pdf",
    "name": "Annex 6: Operation of Aircraft Part II - International General Aviation - Aeroplanes Current edition (consolidated)",
    "part": " Part II - International General Aviation - Aeroplanes Current edition (consolidated)",
    "title": "Operation of Aircraft",
    "available_languages": "en, ar, es, fr, ru, zh",
    "language": "en",
    "is_consolidated": true,
    "file_url": "Available only for subscribed users"
  },
  {
    "type": "Annex",
    "number": 6,
    "format": "pdf",
    "name": "Annex 6: Operation of Aircraft Part III - International Operations - Helicopters Current edition (consolidated)",
    "part": " Part III - International Operations - Helicopters Current edition (consolidated)",
    "title": "Operation of Aircraft",
    "available_languages": "en, ar, zh, ru, es, fr",
    "language": "en",
    "is_consolidated": true,
    "file_url": "Available only for subscribed users"
  },
  {
    "type": "Annex",
    "number": 6,
    "format": "pdf",
    "name": "Annex 6: Operation of Aircraft Part I - International Commercial Air Transport - Aeroplanes Current edition (consolidated)",
    "part": " Part I - International Commercial Air Transport - Aeroplanes Current edition (consolidated)",
    "title": "Operation of Aircraft",
    "available_languages": "en, ar, zh, ru, es, fr",
    "language": "en",
    "is_consolidated": true,
    "file_url": "Available only for subscribed users"
  }
]
```

Current Fleet

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
Model	string	Manufacturer and type of the aircraft
LastUpdate	string	Date when the data was last updated
State	string	ISO 3-Letter code of the State of registry
StateName	string	Name of the State of registry

Field	Type	Description
Age	number	Age of the aircraft in years
Registration	string	Aircraft registration number
Engines	number	Number of engines

Samples

```
"Registration","Engines","State","StateName","Age","Model"  
"LX-SCO","2","LUX","Luxembourg",13,"Dassault Aviation. Falcon 2000"  
"LX-EVM","2","LUX","Luxembourg",11,"Dassault Aviation. Falcon 2000"  
"LX-GJC","2","LUX","Luxembourg",13,"Airbus. A318"  
"LX-LTI","2","LUX","Luxembourg",10,"Airbus. A318"  
"LX-MCO","2","LUX","Luxembourg",15,"Airbus. A319"  
"LX-GVV","2","LUX","Luxembourg",12,"Airbus. A319"  
"LX-LIZ","2","LUX","Luxembourg",12,"Airbus. A319"
```

```
{  
  "Registration": "LX-SCO",  
  "State": "LUX",  
  "StateName": "Luxembourg",  
  "Model": "Dassault Aviation. Falcon 2000",  
  "Age": 13,  
  "Engines": "2"  
},  
{  
  "Registration": "LX-EVM",  
  "State": "LUX",  
  "StateName": "Luxembourg",  
  "Model": "Dassault Aviation. Falcon 2000",  
  "Age": 11,  
  "Engines": "2"  
}
```

Fleet Statistics

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-Letter code of the State
--------------	--------	--------------------------------

Name	string	Name of the State
-------------	--------	-------------------

Models	number	Number of aircraft models registered in the State
---------------	--------	---

Aircraft	number	Number of aircraft registered in the State
-----------------	--------	--

Field	Type	Description
Act_per_model	number	Number of aircraft per model registered in the State
AvAge	number	Average age of the aircraft registered in the State
Above20Years_pc	number	Percentage of aircraft older than 20 years registered in the State

Samples

```
"State", "Name", "Year", "Models", "Aircraft", "Act_per_model", "AvAge", "Above20Years_pc"
"LUX", "Luxembourg", 2016, 17, 103, 6.0588235294117645, 7.493735869131533, 2.912621359223301
```

```
[
  {
    "Aircraft": 103,
    "Models": 17,
    "State": "LUX",
    "Year": 2016,
    "AvAge": 7.493735869131533,
    "Act_per_model": 6.0588235294117645,
    "Above20Years_pc": 2.912621359223301,
    "Name": "Luxembourg"
  }
]
```

Fleet Statistics - Historic

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma seperated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be incapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-Letter code of the State
--------------	--------	--------------------------------

Name	string	Name of the State
-------------	--------	-------------------

Year	number	The year-end the data refers to
-------------	--------	---------------------------------

Field	Type	Description
Models	number	Number of aircraft models registered in the State
Aircraft	number	Number of aircraft registered in the State
Act_per_model	number	Number of aircraft per model registered in the State
AvAge	number	Average age of the aircraft registered in the State
Above20Years_pc	number	Percentage of aircraft older than 20 years registered in the State

Samples

```
"State", "Name", "Year", "Models", "Aircraft", "Act_per_model", "AvAge", "Above20Years_pc"
"LUX", "Luxembourg", 2015, 17, 106, 6.235294117647059, 7.661824760920133, 4.716981132075472
```

```
[
  {
    "Aircraft": 106,
    "Models": 17,
    "State": "LUX",
    "Year": 2015,
    "AvAge": 7.661824760920133,
    "Act_per_model": 6.235294117647059,
    "Above20Years_pc": 4.716981132075472,
    "Name": "Luxembourg"
  }
]
```

ICAO Member States

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

RO	ICAO Regional office, one of APAC, MID, EUR/NAT, NACC, SAM, WACAF, ESAF
-----------	---

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
iso_2_code	string	2-letter ISO code of the State
iso_3_code	string	3-letter ISO code of the State
latitude	number	Latitude of the centroid of the State

Field	Type	Description
longitude	number	Longitude of the centroid of the State
UN_numerical_code	string	UN numerical code of the State
UN_region	string	UN region the State is attached to
UN_state_name	string	UN State name
UN_state_name_html	string	UN State name without accents for website integration
ICAO_regional_office	string	ICAO regional office the State is accredited to

Samples

```
"UN_state_name","iso_2_code","iso_3_code","latitude","longitude","UN_numerical_code","UN_region","UN_state_name_html","ICAO_regional_office","RASG"
"Luxembourg","LU","LUX",49.75,6.166666667,"442","Europe","Luxembourg","EUR/NAT",
"RASG-EUR"
```

```
[
  {
    "RASG": "RASG-EUR",
    "iso_2_code": "LU",
    "iso_3_code": "LUX",
    "latitude": 49.75,
    "longitude": 6.166666667,
    "UN_numerical_code": "442",
    "UN_region": "Europe",
    "UN_state_name": "Luxembourg",
    "UN_state_name_html": "Luxembourg",
    "ICAO_regional_office": "EUR/NAT"
  }
]
```

State of Registries

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

RO	ICAO Regional office, one of APAC, MID, EUR/NAT, NACC, SAM, WACAF, ESAF
-----------	---

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be incapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
iso_2_code	string	2-letter ISO code of the State
iso_3_code	string	3-letter ISO code of the State
latitude	number	Latitude of the centroid of the State

Field	Type	Description
longitude	number	Longitude of the centroid of the State
UN_numerical_code	string	UN numerical code of the State
UN_region	string	UN region the State is attached to
UN_state_name	string	UN State name
UN_state_name_html	string	UN State name without accents for website integration
ICAO_regional_office	string	ICAO regional office the State is accredited to

Samples

```
"UN_state_name","iso_2_code","iso_3_code","latitude","longitude","UN_numerical_code","UN_region","UN_state_name_html","ICAO_regional_office","RASG"
"Luxembourg","LU","LUX",49.75,6.166666667,"442","Europe","Luxembourg","EUR/NAT",
"RASG-EUR"
```

```
[
  {
    "RASG": "RASG-EUR",
    "iso_2_code": "LU",
    "iso_3_code": "LUX",
    "latitude": 49.75,
    "longitude": 6.166666667,
    "UN_numerical_code": "442",
    "UN_region": "Europe",
    "UN_state_name": "Luxembourg",
    "UN_state_name_html": "Luxembourg",
    "ICAO_regional_office": "EUR/NAT"
  }
]
```

NOTAM Criticality

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

format	Output format for the result, may be csv or json (default)
---------------	--

notam	NOTAM body message text or pipe-separated () list of up to 10 such texts
--------------	---

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

notam	string	Message body text of the NOTAM
--------------	--------	--------------------------------

criticality	number	The criticality level of the NOTAM as assessed by NORM. Criticality is a number between 0 (garbage) and 4 (critical)
--------------------	--------	--

Stored NOTAMS

Parameters

Name	Description
format	Output format for the result, may be csv or json (default)
type	Location type, either airspace or airport, both if missing
Qcode	Regular expression for search within the Q-code of the NOTAM (e.g. 'RT??')
locations	Single ICAO 4-letter Aerodrome or Airspace /FIR Code (DOC7910), or comma separated list of a maximum of 10 such codes
qstring	Stringified JSON Array of array of keywords. First array is OR and second array is AND (e.g. [['ELLX'],['FLPG','QRT']])
api_key	API key for the request
states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
ICAOonly	Whether to return only ICAO Doc ABC compliant NOTAMS (true false), defaults to false
callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
-------	------	-------------

StateCode	string	ISO 3-Letter code of the State
------------------	--------	--------------------------------

StateName	string	Name of the State
------------------	--------	-------------------

id	string	ID of the NOTAM
-----------	--------	-----------------

entity	string	First 2 letters of the Q-code, if available
---------------	--------	---

status	string	Last 2 letters of the Q-code, if available
---------------	--------	--

Qcode	string	Q-code of the NOTAM, if available
--------------	--------	-----------------------------------

Area	string	Decoded category first 2 letters of the Q-code
-------------	--------	--

SubArea	string	Decoded area of first 2 letters of the Q-code
----------------	--------	---

Condition	string	Decoded sub-area of first 2 letters of the Q-code
------------------	--------	---

Subject	string	Decoded area of last 2 letters of the Q-code
----------------	--------	--

Modifier	string	Decoded sub-area of last 2 letters of the Q-code
-----------------	--------	--

message	string	Message part of the NOTAM, if available
----------------	--------	---

startdate	string	Start datetime of the NOTAM
------------------	--------	-----------------------------

enddate	string	End datetime of the NOTAM, 100 years after startdate for permanent
----------------	--------	--

Field	Type	Description
		(PERM) notams
all	string	Full NOTAM
location	string	ICAO code of the location the NOTAM applies to
isICAO	string	If the NOTAM is compliant with Doc ABC. If false, no Q-code decoding is available
Created	string	Dattime the NOTAM was created
key	string	Concatenation of ID and Location to form unique id for all NOTAMS
type	string	Location type, either airspace or airport

Samples

```
"StateName","StateCode","id","entity","status","Qcode","Area","SubArea","Condition","Subject","Modifier","message","startdate","enddate","all","location","isICAO","Created","key","type"
"France","FRA","W1109/20","WP","LW","WPLW","Navigation
Warnings","Warnings","Limitations","Parachute jumping exercise, paragliding
or hang gliding","Will take place","PJE OVER AD : PSN : 470832N 0045806E
INFO : BALE INFO 135.850MHZ","2020-08-21T11:00:00.000Z","2020-08-
23T18:45:00.000Z","W1109/20 NOTAMN Q) LFEE/QWPLW/IV/M
/AW/000/115/4709N00458E005 A) LFGZ B) 2008211100 C) 2008231845 D) 21 1100-
1844, 22-23 0600-1845 E) PJE OVER AD : PSN : 470832N 0045806E INFO : BALE
INFO 135.850MHZ F) SFC G) FL115 CREATED: 18 Aug 2020 08:13:00 SOURCE:
EUECYIYN","LFGZ",true,"","W1109/20-LFGZ","airport"
```

```
{
  "_id": "5f41a073ab233e8499229d87",
  "id": "W1109/20",
  "entity": "WP",
```

```
"status": "LW",
"Qcode": "WPLW",
"Area": "Navigation Warnings",
"SubArea": "Warnings",
"Condition": "Limitations",
"Subject": "Parachute jumping exercise, paragliding or hang gliding",
"Modifier": "Will take place",
"message": "PJE OVER AD :\nPSN : 470832N 0045806E\nINFO : BALE INFO
135.850MHZ",
"startdate": "2020-08-21T11:00:00.000Z",
"enddate": "2020-08-23T18:45:00.000Z",
"all": "W1109/20 NOTAMN\nQ) LFEE/QWPLW/IV/M
/AW/000/115/4709N00458E005\nA) LFGZ B) 2008211100 C) 2008231845\nD) 21 1100-
1844, 22-23 0600-1845\nE) PJE OVER AD :\nPSN : 470832N 0045806E\nINFO : BALE
INFO 135.850MHZ\nF) SFC G) FL115\nCREATED: 18 Aug 2020 08:13:00 \nSOURCE:
EUECYIYN",
"location": "LFGZ",
"isICAO": true,
"Created": "",
"key": "W1109/20-LFGZ",
"type": "airport",
"quality": {
  "fmt_01": 1,
  "len_01": 1,
  "dur_01": 1,
  "dur_03": 1,
  "qcd_02": 1,
  "qcd_03": 1,
  "prp_01": 1,
  "prp_02": 1,
  "prp_03": 1,
  "jar_01": 0,
  "jars": [
    "PSN",
    "PJE"
  ],
  "score": 90
},
"StateCode": "FRA",
"StateName": "France"
}
```

Realtime NOTAMS

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

format	Output format for the result, may be csv or json (default)
---------------	--

criticality	If true, provides criticality of the NOTAM as assessed by NORM, the ICAO artificial intelligence for NOTAMS (optional)
--------------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

locations	Single ICAO 4-letter Aerodrome or Airspace /FIR Code (DOC7910), or comma separated list of a maximum of 10 such codes
------------------	---

Output

Field	Type	Description
-------	------	-------------

StateCode	string	ISO 3-Letter code of the State
------------------	--------	--------------------------------

StateName	string	Name of the State
------------------	--------	-------------------

id	string	ID of the NOTAM
-----------	--------	-----------------

Field	Type	Description
entity	string	First 2 letters of the Q-code, if available
status	string	Last 2 letters of the Q-code, if available
Qcode	string	Q-code of the NOTAM, if available
Area	string	Decoded category first 2 letters of the Q-code
SubArea	string	Decoded area of first 2 letters of the Q-code
Condition	string	Decoded sub-area of first 2 letters of the Q-code
Subject	string	Decoded area of last 2 letters of the Q-code
Modifier	string	Decoded sub-area of last 2 letters of the Q-code
message	string	Message part of the NOTAM, if available
startdate	string	Start datatime of the NOTAM
enddate	string	End datatime of the NOTAM, 100 years after startdate for permanent (PERM) notams
all	string	Full NOTAM
location	string	ICAO code of the location the NOTAM applies to
isICAO	string	If the NOTAM is compliant with Doc ABC. If false, no Q-code decoding is available

Field	Type	Description
Created	string	Datetime the NOTAM was created
key	string	Concatenation of ID and Location to form unique id for all NOTAMS
type	string	Location type, either airspace or airport
criticality	number	The criticality level of the NOTAM as assessed by NORM. Criticality is a number between 0 (garbage) and 4 (critical). -1 if not assessed.

NOTAM Decoder

Parameters

Name **Description**

api_key API key for the request

format Output format for the result, may be csv or json (default)

notam NOTAM body message text or pipe-separated (|) list of up to 10 such texts

callback If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field **Type** **Description**

notam string Message body text of the NOTAM

qcode string The 4-letter Q-code (ICAO Doc-8400) of the notam as assessed by NORM.

meaning string A sentence built using the decoding and which describes the NOTAM.

area string The area covered by the NOTAM. Second and third letters of

Field	Type	Description
		the Q-code as per Doc8400.
area_signification	string	The signification of the second and thrid letters of the Q-code as per Doc8400.
subarea	string	The sub-area covered by the NOTAM. Second and thrid letters of the Q-code as per Doc8400.
condition	string	The condition title as per 4th and 5th letters of the Q-code as per Doc8400.
condition_signification	string	The signification of the 4th and 5th letters of the Q-code as per Doc8400.

PBN Implementation - Aggregated

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

nb_instr_runways	number	Number of international instrument runways in selected States
-------------------------	--------	---

pbn_implementation	number	Percentage of international instrument runways in selected States with at least one PBN approach (PBN Implementation)
---------------------------	--------	---

Field	Type	Description
pc_pbn_lnav	number	Percentage of international instrument runways in selected States with at least one PBN LNAV approach
pc_pbn_lnavvnav	number	Percentage of international instrument runways in selected States with at least one PBN LNAV/VNAV approach
pc_pbn_lpv	number	Percentage of international instrument runways in selected States with at least one PBN LPV approach
pc_pbn_rnpar	number	Percentage of international instrument runways in selected States with at least one PBN RNP/AR approach
pc_pbn_unknown	number	Percentage of international instrument runways in selected States with at least one undefined PBN approach
Year	number	Year-end for PBN statistics

Samples

```
"Year","nb_instr_runways","pbn_implementation","pc_pbn_lnav","pc_pbn_lnavvnav",
,"pc_pbn_lpv","pc_pbn_rnpar","pc_pbn_unknown"
```

```
2008,2,0,0,0,0,0,0,0
2010,2,0,0,0,0,0,0,0
2011,2,0,0,0,0,0,0,0
2012,2,0,0,0,0,0,0,0
2013,2,0,0,0,0,0,0,0
2014,2,0,0,0,0,0,0,0
2015,2,0,0,0,0,0,0,0
2016,2,0,0,0,0,0,0,0
2017,2,0,0,0,0,0,0,0
2018,2,0,0,0,0,0,0,0
2019,2,0,0,0,0,0,0,0
2020,2,100,100,100,100,0,0
```

```
{
  "nb_instr_runways": 2,
```

```
"pbn_implementation": 0,  
"pc_pbn_lnav": 0,  
"pc_pbn_lnavvnav": 0,  
"pc_pbn_lpv": 0,  
"pc_pbn_rnpar": 0,  
"pc_pbn_unknown": 0,  
"Year": 2008  
},  
{  
  "nb_instr_runways": 2,  
  "pbn_implementation": 0,  
  "pc_pbn_lnav": 0,  
  "pc_pbn_lnavvnav": 0,  
  "pc_pbn_lpv": 0,  
  "pc_pbn_rnpar": 0,  
  "pc_pbn_unknown": 0,  
  "Year": 2010  
}
```

PBN Global Goals - Aggregated

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Year	number	Year-end for PBN statistics
-------------	--------	-----------------------------

instr_states	number	Number of States in selection with at least one international instrument runway (instrument States)
---------------------	--------	---

over_0	number	Number of instrument States with at least one PBN
---------------	--------	---

Field	Type	Description
		runway
over_30	number	Number of instrument States with at least 30% of PBN runways
over_70	number	Number of instrument States with at least 70% of PBN runways
fully_implemented	number	Number of instrument States with 100% of PBN runways
over_0_pc	number	Percentage of instrument States with at least one PBN runway
over_30_pc	number	Percentage of instrument States with at least 30% of PBN runways
over_70_pc	number	Percentage of instrument States with at least 70% of PBN runways
fully_implemented_pc	number	Percentage of instrument States with 100% of PBN runways

Samples

```
"Year","instr_states","over_0","over_30","over_70","fully_implemented"
2008,1,0,0,0,0
2010,1,0,0,0,0
2011,1,0,0,0,0
2012,1,0,0,0,0
2013,1,0,0,0,0
2014,1,0,0,0,0
2015,1,0,0,0,0
```

```
2016,1,0,0,0,0
2017,1,0,0,0,0
2018,1,0,0,0,0
2019,1,0,0,0,0
2020,1,1,1,1,1
```

```
{
  "instr_states": 1,
  "over_0": 0,
  "over_30": 0,
  "over_70": 0,
  "fully_implemented": 0,
  "Year": 2008,
  "over_0_pc": 0,
  "over_30_pc": 0,
  "over_70_pc": 0,
  "fully_implemented_pc": 0
},
{
  "instr_states": 1,
  "over_0": 0,
  "over_30": 0,
  "over_70": 0,
  "fully_implemented": 0,
  "Year": 2010,
  "over_0_pc": 0,
  "over_30_pc": 0,
  "over_70_pc": 0,
  "fully_implemented_pc": 0
}
```

PBN Implementation - Flat

Parameters

Name **Description**

api_key API key for the request

states ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group

format Output format for the result, may be csv or json (default)

callback If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field **Type** **Description**

nb_instr_runways number Number of international instrument runways

pbn_implementation number Percentage of international instrument runways with at least one PBN approach (PBN Implementation)

pc_pbn_inav number Percentage of international instrument runways with at least one PBN LNAV approach

Field	Type	Description
pc_pbn_lnavvnav	number	Percentage of international instrument runways with at least one PBN LNAV/VNAV approach
pc_pbn_lpv	number	Percentage of international instrument runways with at least one PBN LPV approach
pc_pbn_rnpar	number	Percentage of international instrument runways with at least one PBN RNP PAR approach
pc_pbn_unknown	number	Percentage of international instrument runways with at least one undefined PBN approach
Year	number	Year-end for PBN statistics
State	string	3-Letter code of the State

Samples

```
"Year","nb_instr_runways","pbn_implementation","pc_pbn_lnav","pc_pbn_lnavvnav",
,"pc_pbn_lpv","pc_pbn_rnpar","pc_pbn_unknown","State"
2008,2,0,0,0,0,0,0,"LUX"
2010,2,0,0,0,0,0,0,"LUX"
2011,2,0,0,0,0,0,0,"LUX"
2012,2,0,0,0,0,0,0,"LUX"
2013,2,0,0,0,0,0,0,"LUX"
2014,2,0,0,0,0,0,0,"LUX"
2015,2,0,0,0,0,0,0,"LUX"
2016,2,0,0,0,0,0,0,"LUX"
2017,2,0,0,0,0,0,0,"LUX"
2018,2,0,0,0,0,0,0,"LUX"
2019,2,0,0,0,0,0,0,"LUX"
2020,2,100,100,100,100,0,0,"LUX"
```

```
{
  "nb_instr_runways": 2,
```

```
"pbn_implementation": 0,  
"pc_pbn_lnav": 0,  
"pc_pbn_lnavvnav": 0,  
"pc_pbn_lpv": 0,  
"pc_pbn_rnpar": 0,  
"pc_pbn_unknown": 0,  
"State": "LUX",  
"Year": 2008  
},  
{  
  "nb_instr_runways": 2,  
  "pbn_implementation": 0,  
  "pc_pbn_lnav": 0,  
  "pc_pbn_lnavvnav": 0,  
  "pc_pbn_lpv": 0,  
  "pc_pbn_rnpar": 0,  
  "pc_pbn_unknown": 0,  
  "State": "LUX",  
  "Year": 2010  
}
```

ASIAP Prioritization

Parameters

Name **Description**

api_key API key for the request

format Output format for the result, may be csv or json (default)

region ICAO Regional office, one of APAC, MID, EUR/NAT, NACC, SAM, WACAF, ESAF

callback If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
iso_2_code	string	2-letter ISO code of the State
iso_3_code	string	3-letter ISO code of the State
latitude	number	Latitude of the centroid of the State
longitude	number	Longitude of the centroid of the State
UN_numerical_code	string	UN numerical code of the State

Field	Type	Description
UN_region	string	UN region the State is attached to
UN_state_name	string	UN State name
UN_state_name_html	string	UN State name without accents for website integration
ro	string	ICAO regional office the State is accredited to
wgi_year	number	Year the WGI data related to
gdp	number	GDP, PPP (current international \$)
gdp_pcapita	number	GDP per capita, PPP (constant 2011 international \$)
corruption	number	Control of Corruption, WGI Project, range [-2.5,2.5]
stability	number	Political Stability and Absence of Violence, WGI Project, range [-2.5,2.5]
operations_ei	number	Average effective implementation (%) for OPS, PEL and AIR areas.
support_ei	number	Average effective implementation (%) for LEG, ORG and AIG areas.
airnavigation_ei	number	Average effective implementation (%) for AGA and ANS areas.
operations_margin	number	Margin of effective implementation (%) for operations functions with respect the World average, weighted by flag-carrier flights.

Field	Type	Description
support_margin	number	Margin of effective implementation (%) for support functions with respect the World average, weighted by departures.
airnavigation_margin	number	Margin of effective implementation (%) for air navigation functions with respect the World average, weighted by departures.
isSSC	boolean	Indicates whether the State has a Significant Safety Concern (SSC)
SSC_area	string	If the State has a Significant Safety Concern (SSC), the area it falls under.

Samples

```
"UN_state_name","iso_2_code","iso_3_code","latitude","longitude","UN_numerical_code","UN_region","UN_state_name_html","ro","StateOfRegister","gdp","gdp_pc_apita","corruption","stability","wgi_year","operations_margin","support_margin","airnavigation_margin","operations_ei","support_ei","airnavigation_ei","isSSC","SSC_area","operations_index","support_index","airnavigation_index"
"Togo","TG","TGO",8,1.166666667,"768","Africa","Togo","WACAF",,4399995986.56477,578.461693648613,-0.684962749481201,-0.195354297757149,2016,25.29,37.06,50.12,89.40666666666668,82.47666666666667,89.965,false,"null",1.39,1.82,2.26
```

```
[
  {
    "ro": "WACAF",
    "iso_2_code": "TG",
    "iso_3_code": "TGO",
    "latitude": 8,
    "longitude": 1.166666667,
    "UN_numerical_code": "768",
    "UN_region": "Africa",
    "UN_state_name": "Togo",
    "UN_state_name_html": "Togo",
    "gdp": 4399995986.56477,
```

```
"gdp_pcapita": 578.461693648613,  
"corruption": -0.684962749481201,  
"stability": -0.195354297757149,  
"wgi_year": 2016,  
"operations_margin": 25.29,  
"support_margin": 37.06,  
"airnavigation_margin": 50.12,  
"operations_ei": 89.40666666666668,  
"support_ei": 82.47666666666667,  
"airnavigation_ei": 89.965,  
"isSSC": false,  
"SSC_area": null,  
"operations_index": 1.39,  
"support_index": 1.82,  
"airnavigation_index": 2.26  
}  
]
```

State Safety Margins

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-letter code of the State
--------------	--------	--------------------------------

Name	string	Name of the State
-------------	--------	-------------------

operations_ei	number	Average effective implementation (%) for OPS, PEL and AIR areas.
----------------------	--------	--

support_ei	number	Average effective implementation (%) for LEG, ORG and AIG
-------------------	--------	---

Field	Type	Description
		areas.
airnavigation_ei	number	Average effective implementation (%) for AGA and ANS areas.
departures	number	Previous year's total annual scheduled commercial departures from the State.
flagcarrier_flights	number	Previous year's total annual scheduled commercial flights operated by carriers from the State.
operations_margin	number	Margin of effective implementation (%) for operations functions with respect the World average, weighted by flag-carrier flights.
support_margin	number	Margin of effective implementation (%) for support functions with respect the World average, weighted by departures.
airnavigation_margin	number	Margin of effective implementation (%) for air navigation functions with respect the World average, weighted by departures.

Samples

```
"Name","State","operations_ei","support_ei","airnavigation_ei","departures","
flagcarrier_flights","operations_margin","support_margin","airnavigation_marg
in","operations_index","support_index","airnavigation_index"
"Luxembourg","LUX",90.06333333333333,63.79333333333333,56.504999999999995,339
44,53182,20.71,8.18,3.36,1.3,1.15,1.06
```

```
[
  {
    "Name": "Luxembourg",
    "State": "LUX",
    "operations_ei": 90.06333333333333,
    "support_ei": 63.79333333333333,
    "airnavigation_ei": 56.504999999999995,
    "departures": 33944,
    "flagcarrier_flights": 53182,
    "operations_margin": 20.71,
    "support_margin": 8.18,
    "airnavigation_margin": 3.36,
    "operations_index": 1.3,
    "support_index": 1.15,
    "airnavigation_index": 1.06
  }
]
```

Effective Implementation statistics on SSP Foundation

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Name	string	Name of the State
-------------	--------	-------------------

State	string	3-letter code of the State
--------------	--------	----------------------------

Field	Type	Description
OverallSSPFoundation	number	Overall SSP foundation score
OverallCapCompleted	number	Percentage of SSP foundation PQs for which the corrective action plan was completed
OverallValidated	number	Percentage of SSP foundation PQs which were validated through USOAP CMA
Accident and incident investigation	number	SSP Foundation Score in the area of Accident and incident investigation
Delegation	number	SSP Foundation Score in the area of Delegation
Enforcement	number	SSP Foundation Score in the area of Enforcement
Exemptions	number	SSP Foundation Score in the area of Exemptions
Hazard identification and safety risk assessment	number	SSP Foundation Score in the area of Hazard identification and safety risk assessment
Licensing, certification, authorization and approval obligations	number	SSP Foundation Score in the area of Licensing, certification, authorization and approval obligations
Management of safety risks	number	SSP Foundation Score in the area of Management of safety risks
Primary aviation legislation	number	SSP Foundation Score in the area of Primary

Field	Type	Description
		aviation legislation
Qualified technical personnel	number	SSP Foundation Score in the area of Qualified technical personnel
Resources	number	SSP Foundation Score in the area of Resources
Specific operating regulations	number	SSP Foundation Score in the area of Specific operating regulations
State Authorities	number	SSP Foundation Score in the area of State Authorities
State Organizational Structure	number	SSP Foundation Score in the area of State Organizational Structure
State functions	number	SSP Foundation Score in the area of State functions
State safety promotion	number	SSP Foundation Score in the area of State safety promotion
Surveillance obligations	number	SSP Foundation Score in the area of Surveillance obligations
Technical guidance, tools and provision of safety-critical information	number	SSP Foundation Score in the area of Technical guidance, tools and provision of safety-critical information

Samples

```
"Name","State","OverallSSPFoundation","OverallCapCompleted","OverallValidated",
,"Primary aviation legislation","Specific operating regulations","State
Authorities","Exemptions","Enforcement","State Organizational
Structure","State functions","Delegation","Resources","Qualified technical
personnel","Technical guidance, tools and provision of safety-critical
information","Licensing, certification, authorization and approval
obligations","Management of safety risks","Surveillance obligations","Hazard
identification and safety risk assessment","Accident and incident
investigation","State safety promotion"
"Luxembourg","LUX",91.28787878787878,24.242424242424242,67.04545454545455,100
,88.88888888888889,100,100,100,100,88.88888888888889,100,88.23529411764706,85
.24590163934427,95,93.61702127659575,88.88888888888889,96.15384615384616,80,1
00,100
```

```
[
  {
    "State": "LUX",
    "Name": "Luxembourg",
    "OverallSSPFoundation": 91.28787878787878,
    "OverallCapCompleted": 24.242424242424242,
    "OverallValidated": 67.04545454545455,
    "Accident and incident investigation": 100,
    "Delegation": 100,
    "Enforcement": 100,
    "Exemptions": 100,
    "Hazard identification and safety risk assessment": 80,
    "Licensing, certification, authorization and approval obligations":
93.61702127659575,
    "Management of safety risks": 88.88888888888889,
    "Primary aviation legislation": 100,
    "Qualified technical personnel": 85.24590163934427,
    "Resources": 88.23529411764706,
    "Specific operating regulations": 88.88888888888889,
    "State Authorities": 100,
    "State Organizational Structure": 100,
    "State functions": 88.88888888888889,
    "State safety promotion": 100,
    "Surveillance obligations": 96.15384615384616,
    "Technical guidance, tools and provision of safety-critical information":
95
  }
]
```

List of SSP Foundation Protocol Questions (SSPPQs)

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

format	Output format for the result, may be csv or json (default)
---------------	--

Output

Field	Type	Description
question	string	The expression of the protocol question
PQ	string	The number of the protocol question
Prereq_Subject_Area	string	The subject area the question is related to

Field	Type	Description
<code>_id</code>	string	A unique identifier

Samples

```
"PQ","Prereq_Subject_Area","question","_id"
"1.001","Primary aviation legislation","Has the State promulgated primary
aviation legislation to enable it to address its obligations as a signatory
to the Chicago Convention?","5b1876b06f434b13472114a4"
```

```
{
  "_id": "5b1876b06f434b13472114a4",
  "PQ": "1.001",
  "Prereq_Subject_Area": "Primary aviation legislation",
  "question": "Has the State promulgated primary aviation legislation to
enable it to address its obligations as a signatory to the Chicago
Convention?"
}
```

Aerodrome Statistics

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-Letter code of the State
--------------	--------	--------------------------------

Name	string	Name of the State
-------------	--------	-------------------

Year	number	Year the departures occurred
-------------	--------	------------------------------

Field	Type	Description
Departures	number	Total scheduled departures
Int_Departures	number	International scheduled dpeartures
All_Active_Aerodromes	number	Number of aerdromes with scheduled commercial traffic
Int_Active_Aerodromes	number	Number of aerdromes with international scheduled commercial traffic

Samples

```
"State","Name","Year","All_Active_Aerodromes","Int_Active_Aerodromes","Departures","Int_Departures"
"LUX","Luxembourg",2015,1,1,24966,24965
```

```
[
  {
    "Departures": 24966,
    "State": "LUX",
    "Year": 2015,
    "All_Active_Aerodromes": 1,
    "Int_Active_Aerodromes": 1,
    "Int_Departures": 24965,
    "Name": "Luxembourg"
  }
]
```

Economic and Governance Indicators

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-Letter code of the State
--------------	--------	--------------------------------

Name	string	Name of the State
-------------	--------	-------------------

Field	Type	Description
Year	number	Year the data related to
GDP	number	GDP, PPP (current international \$)
GDP_growth_pc	number	GDP growth (annual %)
GDP_pcapita	number	GDP per capita, PPP (constant 2011 international \$)
corruption_wgi	number	Control of Corruption, WGI Project, range [-2.5,2.5]
effectiveness_wgi	number	Government Effectiveness, WGI Project, range [-2.5,2.5]
stability_wgi	number	Political Stability and Absence of Violence, WGI Project, range [-2.5,2.5]
law_wgi	number	Rule of Law, WGI Project, range [-2.5,2.5]
quality_wgi	number	Regulatory Quality, WGI Project, range [-2.5,2.5]
voice_wgi	number	Voice and Accountability, WGI Project, range [-2.5,2.5]

Samples

```
"State", "Name", "Year", "GDP", "GDP_growth_pc", "GDP_pcapita", "corruption_wgi", "effectiveness_wgi", "stability_wgi", "law_wgi", "quality_wgi", "voice_wgi"
"AFG", "Afghanistan", 2014, 61132547122.9643, 1.31253090783336, 1932.89180382937, -1.331163168, -1.344120622, -2.45806694, -1.533755422, -1.126950502, -1.161955595
```

```
{
```

```
"State": "AFG",  
"Year": 2014,  
"GDP": 61132547122.9643,  
"GDP_growth_pc": 1.31253090783336,  
"GDP_pcapita": 1932.89180382937,  
"corruption_wgi": -1.331163168,  
"effectiveness_wgi": -1.344120622,  
"stability_wgi": -2.45806694,  
"law_wgi": -1.533755422,  
"quality_wgi": -1.126950502,  
"voice_wgi": -1.161955595,  
"Name": "Afghanistan"  
}
```

Operator Statistics

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-Letter code of the State
--------------	--------	--------------------------------

Name	string	Name of the State
-------------	--------	-------------------

Year	number	Year the departures occurred
-------------	--------	------------------------------

Field	Type	Description
Flights	number	Total scheduled flights
Int_Flights	number	International scheduled flights
All_Active_Operators	number	Number of operators with scheduled commercial flights
Int_Active_Operators	number	Number of operators with international scheduled commercial flights

Samples

```
"State","Name","Year","All_Active_Operators","Int_Active_Operators","Flights",
,"Int_Flights"
"LUX","Luxembourg",2015,2,2,49244,49243
```

```
[
  {
    "State": "LUX",
    "Year": 2015,
    "All_Active_Operators": 2,
    "Int_Active_Operators": 2,
    "Flights": 49244,
    "Int_Flights": 49243,
    "Name": "Luxembourg"
  }
]
```

State Safety Briefing (SSB)

Parameters

Name **Description**

state ISO 3-letter code of the State.

api_key API key for the request

format Output format for the result, may be csv or json (default)

callback If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field	Type	Description
State	string	ISO 3-Letter code of the State
Name	string	Name of the State
Generated	string	Date the report was generated
file	string	URL of the PDF report

Connections

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma seperated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be incapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
State_A	string	ISO 3-Letter code of the State A
Name_A	string	Name of the State A
State_B	string	ISO 3-Letter code of the State B

Field	Type	Description
Name_B	string	Name of the State B
Year	number	Year the flights occurred
Flights	number	Total number of annual scheduled connections between State A and State B
State_A_Carrier_Flights	number	Total number of annual scheduled connections between State A and State B flown by a carrier from State A
State_B_Carrier_Flights	number	Total number of annual scheduled connections between State A and State B flown by a carrier from State B
Other_State_Carrier_Flights	number	Total number of annual scheduled connections between State A and State B flown by a carrier neither from State A nor from State B

Samples

```
"State_A", "Name_A", "State_B", "Name_B", "Year", "Flights", "State_A_Carrier_Flights", "State_B_Carrier_Flights", "Other_State_Carrier_Flights"
"FRA", "France", "DEU", "Germany", 2015, 76615, 26093, 41263, 9259
```

```
[
  {
    "Flights": 76615,
    "State_A_Carrier_Flights": 26093,
    "State_B_Carrier_Flights": 41263,
    "Other_State_Carrier_Flights": 9259,
    "State_A": "FRA",
    "State_B": "DEU",
```

```
"Year": 2015,  
"Name_A": "France",  
"Name_B": "Germany"  
}  
]
```

State Traffic Statistics

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

Year	Year the data is related to
-------------	-----------------------------

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
State	string	ISO 3-Letter code of the State
Name	string	Name of the State
Year	number	Year the departures occurred

Field	Type	Description
Departures	number	Total scheduled departures
Domestic	number	Domestic scheduled departures
International	number	International scheduled departures
FlagCarrier_Flights	number	Flights carried out by operators from that State

Samples

```
"State", "Name", "Year", "Departures", "Domestic", "International", "FlagCarrier_Flights"
```

```
"LUX", "Luxembourg", 2003, 20688, 0, 20688, 35484
"LUX", "Luxembourg", 2004, 20300, 0, 20300, 31614
"LUX", "Luxembourg", 2005, 20432, 0, 20432, 31246
"LUX", "Luxembourg", 2006, 20034, 0, 20034, 29803
"LUX", "Luxembourg", 2007, 19421, 0, 19421, 27649
"LUX", "Luxembourg", 2008, 20257, 0, 20257, 30490
"LUX", "Luxembourg", 2009, 18930, 0, 18930, 29899
"LUX", "Luxembourg", 2010, 19325, 0, 19325, 29852
"LUX", "Luxembourg", 2011, 22424, 0, 22424, 43207
"LUX", "Luxembourg", 2012, 23060, 0, 23060, 43048
"LUX", "Luxembourg", 2013, 23193, 0, 23193, 44381
"LUX", "Luxembourg", 2014, 24503, 0, 24503, 47810
"LUX", "Luxembourg", 2015, 24966, 1, 24965, 49244
"LUX", "Luxembourg", 2016, 27283, 0, 27283, 49042
"LUX", "Luxembourg", 2017, 31067, 0, 31067, 48527
"LUX", "Luxembourg", 2018, 34234, 0, 34234, 52486
"LUX", "Luxembourg", 2019, 33944, 0, 33944, 53182
```

```
{
  "Year": 2003,
  "Departures": 20688,
  "Domestic": 0,
  "State": "LUX",
  "International": 20688,
  "FlagCarrier_Flights": 35484,
  "Name": "Luxembourg"
```

```
},  
{  
  "Year": 2004,  
  "Departures": 20300,  
  "Domestic": 0,  
  "State": "LUX",  
  "International": 20300,  
  "FlagCarrier_Flights": 31614,  
  "Name": "Luxembourg"  
}
```

USOAP Activities by State over time

Parameters

Name	Description
------	-------------

format	Output format for the result, may be csv or json (default)
---------------	--

timeline	Can be 'past' or 'future', to show only records before or after the current date, will return everything if omitted
-----------------	---

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma seperated list of such codes or code of an iSTARS group
---------------	--

preview	If true, returns also the results which are preliminary (optionel)
----------------	--

latest	If true, returns only the latest record (optionel)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be incapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Field	Type	Description
State	string	ISO 3-Letter code of the State
Date	string	Date the activity was accomplished (ISO format)
isFinal	string	Whether the activity is closed and final results available (true/false). If false, all EI results are set to null
Activity	string	Type of CMA activity conducted
ActivityPhase	string	Status of the activity
Year	number	Year the activity was accomplished
overall	number	Overall effective implementation score (%)
ei_year	number	Year last USOAP mission was conducted
leg	number	Effective Implementation score (%) in the area of legislation
org	number	Effective Implementation score (%) in the area of organisation
pel	number	Effective Implementation score (%) in the area of licensing
ops	number	Effective Implementation score (%) in the area of operations
air	number	Effective Implementation score (%) in the area of airworthiness
aig	number	Effective Implementation score (%) in the area of accident investigation

Field	Type	Description
ans	number	Effective Implementation score (%) in the area of air navigation services
aga	number	Effective Implementation score (%) in the area of aerodromes and ground aids
ce1	number	Effective Implementation score (%) of Primary aviation legislation (CE-1)
ce2	number	Effective Implementation score (%) of Specific operating regulations (CE-2)
ce3	number	Effective Implementation score (%) of State civil aviation system and safety oversight functions (CE-3)
ce4	number	Effective Implementation score (%) of Technical personnel qualifications and training (CE-4)
ce5	number	Effective Implementation score (%) of Technical guidance, tools and provision of safety-critical information (CE-5)
ce6	number	Effective Implementation score (%) of Licensing, certification, authorization and/or approval obligations (CE-6)
ce7	number	Effective Implementation score (%) of Surveillance obligations (CE-7)
ce8	number	Effective Implementation score (%) of Resolution of safety concerns (CE-8)

Samples

```
"Date", "State", "Name", "Activity", "ActivityPhase", "isFinal", "overall", "Year", "leg", "org", "pel", "ops", "air", "aig", "ans", "aga", "ce1", "ce2", "ce3", "ce4", "ce5", "ce6", "ce7", "ce8"
""2011-11-18T05:00:00.000Z""", "LUX", "Luxembourg", "ICAO Coordinated Validation Mission", "Final Report", true, 70.5732484076433, 2011, 57.142857142857146, 90.9090909090909, 93.05555555555556, 85.24590163934427, 91.875, 43.333333333333336, 58.08383233532934, 54.929577464788736, 76.66666666666667, 67.32673267326733, 79.51807228915662, 60, 60.431654676258994, 80.44444444444444, 68.29268292682927, 62
""2006-03-02T05:00:00.000Z""", "LUX", "Luxembourg", "CMA Audit", "Final Report", true, 46.45569620253165, 2006, 31.818181818181817, 27.272727272727273, 77.02702702702703, 58.19672131147541, 68.125, 19.78021978021978, 29.34131736526946, 37.06293706293706, 38.70967741935484, 52.94117647058823, 23.80952380952381, 11.842105263157896, 44.60431654676259, 65.04424778761062, 52.4390243902439, 40
```

```
[
  {
    "State": "LUX",
    "Date": "2011-11-18T05:00:00.000Z",
    "Activity": "ICAO Coordinated Validation Mission",
    "ActivityPhase": "Final Report",
    "Year": 2011,
    "overall": 70.5732484076433,
    "leg": 57.142857142857146,
    "ce1": 76.66666666666667,
    "org": 90.9090909090909,
    "ce2": 67.32673267326733,
    "pel": 93.05555555555556,
    "ce3": 79.51807228915662,
    "ops": 85.24590163934427,
    "ce4": 60,
    "air": 91.875,
    "ce5": 60.431654676258994,
    "aig": 43.333333333333336,
    "ce6": 80.44444444444444,
    "ans": 58.08383233532934,
    "ce7": 68.29268292682927,
    "aga": 54.929577464788736,
    "ce8": 62,
    "isFinal": true,
    "Name": "Luxembourg",
    "Day": "2011-11-18"
  },
  {
    "State": "LUX",
    "Date": "2006-03-02T05:00:00.000Z",
    "Activity": "CMA Audit",
    "ActivityPhase": "Final Report",
    "Year": 2006,
```

```
"overall": 46.45569620253165,  
"leg": 31.818181818181817,  
"ce1": 38.70967741935484,  
"org": 27.272727272727273,  
"ce2": 52.94117647058823,  
"pel": 77.02702702702703,  
"ce3": 23.80952380952381,  
"ops": 58.19672131147541,  
"ce4": 11.842105263157896,  
"air": 68.125,  
"ce5": 44.60431654676259,  
"aig": 19.78021978021978,  
"ce6": 65.04424778761062,  
"ans": 29.34131736526946,  
"ce7": 52.4390243902439,  
"aga": 37.06293706293706,  
"ce8": 40,  
"isFinal": true,  
"Name": "Luxembourg",  
"Day": "2006-03-02"  
}  
]
```

USOAP EI by State by year - Aggregated

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

States	string	Array of ISO 3-Letter code of the States
---------------	--------	--

states_above_60	number	Percentage of States in the group which have an overall EI above 60% (GASP target)
------------------------	--------	--

overall	number	Overall effective implementation score (%)
----------------	--------	--

Field	Type	Description
Year	number	Year the data refers to. Scores are as of 31 December of that year.
leg	number	Effective Implementation score (%) in the area of legislation
org	number	Effective Implementation score (%) in the area of organisation
pel	number	Effective Implementation score (%) in the area of licensing
ops	number	Effective Implementation score (%) in the area of operations
air	number	Effective Implementation score (%) in the area of airworthiness
aig	number	Effective Implementation score (%) in the area of accident investigation
ans	number	Effective Implementation score (%) in the area of air navigation services
aga	number	Effective Implementation score (%) in the area of aerodromes and ground aids
ce1	number	Effective Implementation score (%) of Primary aviation legislation (CE-1)
ce2	number	Effective Implementation score (%) of Specific operating regulations (CE-2)
ce3	number	Effective Implementation score (%) of State civil aviation system and safety oversight functions (CE-3)

2013, ["LUX"], 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62, 100
2014, ["LUX"], 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62, 100
2015, ["LUX"], 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62, 100
2016, ["LUX"], 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62, 100
2017, ["LUX"], 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62, 100
2018, ["LUX"], 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62, 100
2019, ["LUX"], 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62, 100
2020, ["LUX"], 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62, 100

```
[
  {
    "Year": 2005,
    "overall": null,
    "leg": null,
    "org": null,
    "pel": null,
    "ops": null,
    "air": null,
    "aig": null,
    "ans": null,
    "aga": null,
    "ce1": null,
    "ce2": null,
    "ce3": null,
    "ce4": null,
    "ce5": null,
    "ce6": null,
    "ce7": null,
    "ce8": null,
    "states_above_60": null,
    "States": [
      "LUX"
    ]
  },
  {
    "Year": 2006,
    "overall": 46.46,
    "leg": 31.82,
    "org": 27.27,
    "pel": 77.03,
    "ops": 58.2,
    "air": 68.13,
    "aig": 19.78,
    "ans": 29.34,
    "aga": 37.06,
    "ce1": 38.71,
    "ce2": 52.94,
```

```
"ce3": 23.81,
"ce4": 11.84,
"ce5": 44.6,
"ce6": 65.04,
"ce7": 52.44,
"ce8": 40,
"states_above_60": 0,
"States": [
  "LUX"
]
},
{
  "Year": 2007,
  "overall": 46.46,
  "leg": 31.82,
  "org": 27.27,
  "pel": 77.03,
  "ops": 58.2,
  "air": 68.13,
  "aig": 19.78,
  "ans": 29.34,
  "aga": 37.06,
  "ce1": 38.71,
  "ce2": 52.94,
  "ce3": 23.81,
  "ce4": 11.84,
  "ce5": 44.6,
  "ce6": 65.04,
  "ce7": 52.44,
  "ce8": 40,
  "states_above_60": 0,
  "States": [
    "LUX"
  ]
},
{
  "Year": 2008,
  "overall": 46.46,
  "leg": 31.82,
  "org": 27.27,
  "pel": 77.03,
  "ops": 58.2,
  "air": 68.13,
  "aig": 19.78,
  "ans": 29.34,
  "aga": 37.06,
  "ce1": 38.71,
  "ce2": 52.94,
  "ce3": 23.81,
  "ce4": 11.84,
  "ce5": 44.6,
  "ce6": 65.04,
  "ce7": 52.44,
  "ce8": 40,
  "states_above_60": 0,
  "States": [
    "LUX"
  ]
}
```

```
]
},
{
  "Year": 2009,
  "overall": 46.46,
  "leg": 31.82,
  "org": 27.27,
  "pel": 77.03,
  "ops": 58.2,
  "air": 68.13,
  "aig": 19.78,
  "ans": 29.34,
  "aga": 37.06,
  "ce1": 38.71,
  "ce2": 52.94,
  "ce3": 23.81,
  "ce4": 11.84,
  "ce5": 44.6,
  "ce6": 65.04,
  "ce7": 52.44,
  "ce8": 40,
  "states_above_60": 0,
  "States": [
    "LUX"
  ]
},
{
  "Year": 2010,
  "overall": 46.46,
  "leg": 31.82,
  "org": 27.27,
  "pel": 77.03,
  "ops": 58.2,
  "air": 68.13,
  "aig": 19.78,
  "ans": 29.34,
  "aga": 37.06,
  "ce1": 38.71,
  "ce2": 52.94,
  "ce3": 23.81,
  "ce4": 11.84,
  "ce5": 44.6,
  "ce6": 65.04,
  "ce7": 52.44,
  "ce8": 40,
  "states_above_60": 0,
  "States": [
    "LUX"
  ]
},
{
  "Year": 2011,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
```

```
"air": 91.88,
"aig": 43.33,
"ans": 58.08,
"aga": 54.93,
"ce1": 76.67,
"ce2": 67.33,
"ce3": 79.52,
"ce4": 60,
"ce5": 60.43,
"ce6": 80.44,
"ce7": 68.29,
"ce8": 62,
"states_above_60": 100,
"States": [
  "LUX"
]
},
{
  "Year": 2012,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
  "air": 91.88,
  "aig": 43.33,
  "ans": 58.08,
  "aga": 54.93,
  "ce1": 76.67,
  "ce2": 67.33,
  "ce3": 79.52,
  "ce4": 60,
  "ce5": 60.43,
  "ce6": 80.44,
  "ce7": 68.29,
  "ce8": 62,
  "states_above_60": 100,
  "States": [
    "LUX"
  ]
},
{
  "Year": 2013,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
  "air": 91.88,
  "aig": 43.33,
  "ans": 58.08,
  "aga": 54.93,
  "ce1": 76.67,
  "ce2": 67.33,
  "ce3": 79.52,
  "ce4": 60,
  "ce5": 60.43,
```

```
"ce6": 80.44,
"ce7": 68.29,
"ce8": 62,
"states_above_60": 100,
"States": [
  "LUX"
]
},
{
  "Year": 2014,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
  "air": 91.88,
  "aig": 43.33,
  "ans": 58.08,
  "aga": 54.93,
  "ce1": 76.67,
  "ce2": 67.33,
  "ce3": 79.52,
  "ce4": 60,
  "ce5": 60.43,
  "ce6": 80.44,
  "ce7": 68.29,
  "ce8": 62,
  "states_above_60": 100,
  "States": [
    "LUX"
  ]
},
{
  "Year": 2015,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
  "air": 91.88,
  "aig": 43.33,
  "ans": 58.08,
  "aga": 54.93,
  "ce1": 76.67,
  "ce2": 67.33,
  "ce3": 79.52,
  "ce4": 60,
  "ce5": 60.43,
  "ce6": 80.44,
  "ce7": 68.29,
  "ce8": 62,
  "states_above_60": 100,
  "States": [
    "LUX"
  ]
},
{
```

```
"Year": 2016,
"overall": 70.57,
"leg": 57.14,
"org": 90.91,
"pel": 93.06,
"ops": 85.25,
"air": 91.88,
"aig": 43.33,
"ans": 58.08,
"aga": 54.93,
"ce1": 76.67,
"ce2": 67.33,
"ce3": 79.52,
"ce4": 60,
"ce5": 60.43,
"ce6": 80.44,
"ce7": 68.29,
"ce8": 62,
"states_above_60": 100,
"States": [
  "LUX"
]
},
{
  "Year": 2017,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
  "air": 91.88,
  "aig": 43.33,
  "ans": 58.08,
  "aga": 54.93,
  "ce1": 76.67,
  "ce2": 67.33,
  "ce3": 79.52,
  "ce4": 60,
  "ce5": 60.43,
  "ce6": 80.44,
  "ce7": 68.29,
  "ce8": 62,
  "states_above_60": 100,
  "States": [
    "LUX"
  ]
},
{
  "Year": 2018,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
  "air": 91.88,
  "aig": 43.33,
  "ans": 58.08,
```

```
"aga": 54.93,
"ce1": 76.67,
"ce2": 67.33,
"ce3": 79.52,
"ce4": 60,
"ce5": 60.43,
"ce6": 80.44,
"ce7": 68.29,
"ce8": 62,
"states_above_60": 100,
"States": [
  "LUX"
]
},
{
  "Year": 2019,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
  "air": 91.88,
  "aig": 43.33,
  "ans": 58.08,
  "aga": 54.93,
  "ce1": 76.67,
  "ce2": 67.33,
  "ce3": 79.52,
  "ce4": 60,
  "ce5": 60.43,
  "ce6": 80.44,
  "ce7": 68.29,
  "ce8": 62,
  "states_above_60": 100,
  "States": [
    "LUX"
  ]
},
{
  "Year": 2020,
  "overall": 70.57,
  "leg": 57.14,
  "org": 90.91,
  "pel": 93.06,
  "ops": 85.25,
  "air": 91.88,
  "aig": 43.33,
  "ans": 58.08,
  "aga": 54.93,
  "ce1": 76.67,
  "ce2": 67.33,
  "ce3": 79.52,
  "ce4": 60,
  "ce5": 60.43,
  "ce6": 80.44,
  "ce7": 68.29,
  "ce8": 62,
```

```
"states_above_60": 100,  
"States": [  
  "LUX"  
]  
}  
]
```

CAAHR

Parameters

Name **Description**

api_key API key for the request

callback If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

format Output format for the result, may be csv or json (default)

Output

Field	Type	Description
iso_2_code	string	2-letter ISO code of the State
iso_3_code	string	3-letter ISO code of the State
latitude	number	Latitude of the centroid of the State
longitude	number	Longitude of the centroid of the State
UN_numerical_code	string	UN numerical code of the State
UN_region	string	UN region the State is attached to

Field	Type	Description
UN_state_name	string	UN State name
UN_state_name_html	string	UN State name without accents for website integration
ro	string	ICAO regional office the State is accredited to
aeroplane_CAT_ops	number	Aeroplane CAT operators
aeroplane_used_CAT	number	Aeroplanes used for CAT
approved_maintenance	number	Approved Maintenance Organizations (SUM)
ifr_aerodromes	number	Number of IFR Aerodromes
atc_training_org	number	Number of ATC Training Organizations (Local)
atc_licenses	number	Number of ATC licences
fto	number	Number of Flight Training Organizations (SUM)
mto	number	Number of Maintenance Training Organizations (SUM)
private_licences	number	Number of Private pilot licences
professional_licences	number	Number of Professional flight crew licences
maintenance_licences	number	Number of Aircraft maintenance licences
total_air	number	Total in AIR

Field	Type	Description
total_aga	number	Total in AGA
total_ans	number	Total in ANS
total_pel	number	Total in PEL
total_ops	number	Total in OPS
isOriginalSurvey	boolean	If the response is part of the original survey conducted

Samples

```
"UN_state_name","iso_2_code","iso_3_code","latitude","longitude","UN_numerical_code","UN_region","UN_state_name_html","ro","aeroplane_CAT_ops","aeroplane_used_CAT","approved_maintenance","ifr_aerodromes","atc_training_org","atc_licenses","fto","mto","private_licences","professional_licences","maintenance_licences","total_air","total_aga","total_ans","total_pel","total_ops","isOriginalSurvey"
```

```
"The former Yugoslav Republic of Macedonia","null","null","null","null","null","null","null","null","null","null","null",1,2,1,84,"null",1,25,41,52,2,3,8,10,3,"TRUE"
```

```
[
  {
    "UN_state_name": "The former Yugoslav Republic of Macedonia",
    "aeroplane_CAT_ops": null,
    "aeroplane_used_CAT": null,
    "approved_maintenance": 1,
    "ifr_aerodromes": 2,
    "atc_training_org": 1,
    "atc_licenses": 84,
    "fto": null,
    "mto": 1,
    "private_licences": 25,
    "professional_licences": 41,
    "maintenance_licences": 52,
    "total_air": 2,
```

```
"total_aga": 3,  
"total_ans": 8,  
"total_pel": 10,  
"total_ops": 3,  
"isOriginalSurvey": "TRUE",  
"iso_2_code": null,  
"iso_3_code": null,  
"latitude": null,  
"longitude": null,  
"UN_numerical_code": null,  
"UN_region": null,  
"UN_state_name_html": null,  
"ro": null  
}  
]
```

USOAP EI by State

Parameters

Name	Description
------	-------------

state	ISO 3-letter code of the State.
--------------	---------------------------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-Letter code of the State
--------------	--------	--------------------------------

Name	string	Name of the State
-------------	--------	-------------------

overall	number	Overall effective implementation score (%)
----------------	--------	--

Field	Type	Description
ei_year	number	Year last USOAP mission was conducted
leg	number	Effective Implementation score (%) in the area of legislation
org	number	Effective Implementation score (%) in the area of organisation
pel	number	Effective Implementation score (%) in the area of licensing
ops	number	Effective Implementation score (%) in the area of operations
air	number	Effective Implementation score (%) in the area of airworthiness
aig	number	Effective Implementation score (%) in the area of accident investigation
ans	number	Effective Implementation score (%) in the area of air navigation services
aga	number	Effective Implementation score (%) in the area of aerodromes and ground aids
ce1	number	Effective Implementation score (%) of Primary aviation legislation (CE-1)
ce2	number	Effective Implementation score (%) of Specific operating regulations (CE-2)
ce3	number	Effective Implementation score (%) of State civil aviation system and safety oversight functions (CE-3)
ce4	number	Effective Implementation score (%) of Technical personnel qualifications and training (CE-4)
ce5	number	Effective Implementation score (%) of Technical guidance, tools and provision of safety-critical information (CE-5)

Field	Type	Description
ce6	number	Effective Implementation score (%) of Licensing, certification, authorization and/or approval obligations (CE-6)
ce7	number	Effective Implementation score (%) of Surveillance obligations (CE-7)
ce8	number	Effective Implementation score (%) of Resolution of safety concerns (CE-8)

Samples

```
"Name", "State", "ei_year", "overall", "leg", "org", "pel", "ops", "air", "aig", "ans",
"aga", "ce1", "ce2", "ce3", "ce4", "ce5", "ce6", "ce7", "ce8"
"Luxembourg", "LUX", 2011, 70.57, 57.14, 90.91, 93.06, 85.25, 91.88, 43.33, 58.08, 54.93
, 76.67, 67.33, 79.52, 60, 60.43, 80.44, 68.29, 62
```

```
[
  {
    "State": "LUX",
    "Name": "Luxembourg",
    "overall": 70.57,
    "ei_year": 2011,
    "leg": 57.14,
    "org": 90.91,
    "pel": 93.06,
    "ops": 85.25,
    "air": 91.88,
    "aig": 43.33,
    "ans": 58.08,
    "aga": 54.93,
    "ce1": 76.67,
    "ce2": 67.33,
    "ce3": 79.52,
    "ce4": 60,
    "ce5": 60.43,
    "ce6": 80.44,
    "ce7": 68.29,
    "ce8": 62
  }
]
```

List of USOAP Protocol Questions (PQs)

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

format	Output format for the result, may be csv or json (default)
---------------	--

ces	Code of the critical element (CE-1, CE-2, CE-3, CE-4, CE-5, CE-6, CE-7, CE-8), or comma seperated list of such codes
------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

areas	Code of the technical area (LEG, ORG, PEL, OPS, AIR, AIG, ANS, AGA), or comma seperated list of such codes
--------------	--

Output

Field	Type	Description
-------	------	-------------

Question	string	The expression of the protocol question
-----------------	--------	---

Reference	string	The reference material related to the protocol question
------------------	--------	---

Field	Type	Description
CriticalElementID	string	The critical element number the question is part of (a number between 1 and 8)
PQ	string	The number of the protocol question
TechnicalAreaID	string	The technical area number the question is part of (LEG=1, ORG=2, PEL=3, OPS=4, AIR=5, AIG=6, ANS=7, AGA=8)
TechnicalSubArea	string	The technical sub area the question is related to [LEG, ORG, PEL, OPS, AIR, AIG, ANS, AGA]
TechnicalArea	string	The technical area the question is related to
CriticalElement	string	The critical element the question is related to
CriticalElementCode	string	The code used for the critical element the question is related to [CE-1, CE-2, CE-3, CE-4, CE-5, CE-6, CE-7, CE-8]
TechnicalAreaCode	string	The code for the technical area the question is related to

Samples

```
"PQ", "TechnicalAreaID", "TechnicalAreaCode", "TechnicalArea", "TechnicalSubArea",
"CriticalElementID", "CriticalElement", "CriticalElementCode", "Question", "Reference"
"2.021", 2, "ORG", "Organization and Safety Oversight functions", , 1, "Primary
Aviation Legislation", "CE-1", "Do the State's legislation and/or structure
in place provide for a distinct separation of functions and responsibilities
between all safety oversight entities in the State and the aviation
industry/service providers, particularly when industry/service provider
functions are carried out by the State?", "GM\r\nDoc 9734\r\nPart A, 2.4.9 &
3.4"
```

```
[
  {
    "Question": "Do the State's legislation and/or structure in place
provide for a distinct separation of functions and responsibilities between
all safety oversight entities in the State and the aviation industry/service
providers, particularly when industry/service provider functions are carried
out by the State?",
    "Reference": "GM\r\nDoc 9734\r\nPart A, 2.4.9 & 3.4",
    "CriticalElementID": 1,
    "PQ": "2.021",
    "TechnicalAreaID": 2,
    "TechnicalAreaCode": "ORG",
    "CriticalElementCode": "CE-1",
    "TechnicalArea": "Organization and Safety Oversight functions",
    "CriticalElement": "Primary Aviation Legislation"
  }
]
```

Enhanced USOAP Progress by State

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

preview	If true, returns also the results which are preliminary (optional)
----------------	--

latest	If true, returns only the latest record (optional)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Activity	string	Type of USOAP activity conducted
-----------------	--------	----------------------------------

Field	Type	Description
Overall	number	Overall effective implementation (%) after the mission
State	string	ISO 3-letter code of the State
Year	number	Year the mission was conducted
Progress	number	Difference of the EI versus the last full audit EI
prev_audit_year	number	Year of the last preceding audit
prev_audit_ei	number	Overall effective implementation after the last preceding audit
statename	string	Name of the State
RO	string	Accredited ICAO Regional Office
sscs	number	The number of significant safety concerns for the State
status	string	Indicates if the results are final or preliminary

Samples

```
"Activity","Overall","State","Year","Progress","prev_audit_year","prev_audit_ei","statename","RO","sscs","status"
"ICAO Coordinated Validation
Mission",70.57,"LUX",2011,24.12,2006,46.46,"Luxembourg","EUR/NAT",0,"final"
"CMA Audit",46.46,"LUX",2006,0,"",0,"Luxembourg","EUR/NAT",0,"final"
```

```
"Activity","Overall","State","Year","Progress","prev_audit_year","prev_audit_ei","statename","RO","sscs","status"
```

"ICAO Coordinated Validation
Mission",70.57,"LUX",2011,24.12,2006,46.46,"Luxembourg","EUR/NAT",0,"final"
"CMA Audit",46.46,"LUX",2006,0,"",0,"Luxembourg","EUR/NAT",0,"final"

USOAP Progress by State

Parameters

Name	Description
------	-------------

state	ISO 3-letter code of the State.
--------------	---------------------------------

api_key	API key for the request
----------------	-------------------------

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

Activity	string	Type of USOAP activity conducted
-----------------	--------	----------------------------------

Overall	number	Overall effective implementation (%) after the mission
----------------	--------	--

State	string	ISO 3-letter code of the State
--------------	--------	--------------------------------

Year	number	Year the mission was conducted
-------------	--------	--------------------------------

Progress	number	Difference of the EI versus the last full audit EI
-----------------	--------	--

Field	Type	Description
prev_audit_year	number	Year of the last preceding audit
prev_audit_ei	number	Overall effective implementation after the last preceding audit
Name	string	Name of the State
RO	string	Accredited ICAO Regional Office

Samples

```
"Activity", "Overall", "State", "Year", "Progress", "prev_audit_year", "prev_audit_ei", "statename", "RO"
"ICAO Coordinated Validation
Mission", 70.5732484076433, "LUX", 2011, 24.117552205111657, 2006, 46.45569620253165, "Luxembourg", "EUR/NAT"
"CMA Audit", 46.45569620253165, "LUX", 2006, 0, "", "", "Luxembourg", "EUR/NAT"
```

```
[
  {
    "Activity": "ICAO Coordinated Validation Mission",
    "Overall": 70.5732484076433,
    "State": "LUX",
    "Year": 2011,
    "Progress": 24.117552205111657,
    "prev_audit_year": 2006,
    "prev_audit_ei": 46.45569620253165,
    "statename": "Luxembourg",
    "RO": "EUR/NAT"
  },
  {
    "Activity": "CMA Audit",
    "Overall": 46.45569620253165,
    "State": "LUX",
    "Year": 2006,
    "prev_audit_year": "",
    "prev_audit_ei": "",
    "Progress": 0,
    "statename": "Luxembourg",
```

```
    "RO": "EUR/NAT"  
  }  
]
```

Safety Partner Programs

Parameters

Name **Description**

api_key API key for the request

states ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group

format Output format for the result, may be csv or json (default)

callback If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.

Output

Field **Type** **Description**

State string ISO 3-Letter code of the State

Name string Name of the State

IOSA_operators number Number of IOSA certified operators

Is_FAA_CAT2 boolean Wether the country is FAA IASA Cat2 (true/false)

Field	Type	Description
Has_EU_Restrictions	boolean	Wether some operators from the country have operational restrictions within the European Union (true/false)
FAA_Update	string	Release date of the FAA IASA data
EU_Update	string	Release date of the EU Safety List data

Significant Safety Concerns (SSCs)

Parameters

Name	Description
------	-------------

api_key	API key for the request
----------------	-------------------------

states	ISO 3-letter code of the State, or comma separated list of such codes or code of an iSTARS group
---------------	--

format	Output format for the result, may be csv or json (default)
---------------	--

callback	If set, Specifies JSONP as return format (for website integrations only). If format is different from JSON, data will be encapsulated in an object. Optional.
-----------------	---

Output

Field	Type	Description
-------	------	-------------

State	string	ISO 3-Letter code of the State
--------------	--------	--------------------------------

Name	string	Name of the State
-------------	--------	-------------------

year	number	The year during which the SSC was raised
-------------	--------	--

Field	Type	Description
area	string	The USOAP audit area concerned by the SSC.