Airport Health Measures Standard

Abstract

An Airports Council International (ACI) data interface standard for health measures at airports.

Airport Health Measures Standard

Airports Council International (ACI) has developed a standard for expressing COVID-19 information for the aviation community. The initiative is part of the ACI ACRIS (Aviation Community Recommended Information Services) working group.

This document contains the specification of the API (Application Programming Interface), which has been developed as part of this initiative.

Airport Health Measures API Specification

The following API specification is compliant with the OpenAPI standard v3.0.1, and with the ACRIS Semantic Model.

The detailed API specification can be found at acris.aero: https://api.acris.aero/

The link to related Swagger/API Specifications: https://api.acris.aero/docs/

The ACI Airport Health Measures API supports requests for the following information:

Business Domain	Purpose
Accreditation Information	Retrieve information on those Airports that have successfully been awarded the ACI Health Accreditation certificate.
Airport Information	Retrieve information on the Airport facilities and locations.
Party Information	Retrieve information on the COVID-19 Communications Team at each Airport.
Place Information	Retrieve information on the cities, countries and regions where Airports are located.
Survey Information	Retrieve information on the measures taken by Airports to mitigate COVID-19 issues.

Information on Accreditation and can be obtained as a list of Accreditations and Accredited Airports, filtered by a selected Accreditation ID or Airport ICAO Code respectively using the following HTTP GET requests:

Accreditation URI Paths	Result
/v1/accreditation/	Returns a list of ACI Accreditation objects.
/v1/accreditation/{acc_id}/	Returns a single ACI Accreditation object as identified by its ACI Accreditation ID
/v1/accreditation/airports/{icao_code}/	Returns a list of ACI Accreditations for a specific Airport ICAO Code.
/v1/accreditation/{acc_id}/airports/	Returns a list of Airports who have a specific ACI Accreditation.

Information on Airport Facilities can be obtained as a list, filtered by a selected Airport ICAO Code using the following HTTP GET requests:

Airport URI Paths	Result
/v1/airports/facilities/	Returns a list of Airport Facility objects with a nested Airport Location object.
/v1/airports/facilities/{icao_code}/	Returns a single Airport Facility object identified by its ICAO Code with a nested Airport Location object.

Information on Parties can be obtained as a list of Airport Comms Team objects, filtered by a selected Airport ICAO Code using the following HTTP GET requests:

Party URI Paths	Result
/v1/parties/teams/	Returns a list of Airport Comms Team objects.
/v1/parties/teams/{icao_code}/	Returns a single Airport Comms Team object as identified by its Airport ICAO Code.

Information on Places can be obtained as a list of Cities, Countries, Regions or ACI Regions, filtered by a selected City Code, Country Code, Region Code or ACI Region ID respectively using the following HTTP GET requests:

Place URI Paths	Result
/v1/places/cities/	Returns a list of City objects.
/v1/places/cities/{city_code}/	Returns a single City object identified by its five character city code.
/v1/places/countries/	Returns a list of Country objects.
/v1/places/countries/{country_code}/	Returns a single Country object as identified by its two character country code.
/v1/places/regions/	Returns a list of Regions objects. Objects can be a sub-region of a Region Object.

	Returns a single Region object as identified by its region code. If the record has a related parent Region, then the object is a sub-region.
/v1/places/regions/{region_code}/	Returns a single Region object as identified by its region code. If the record has a related parent Region, then the object is a sub-region.
/v1/places/regions/aci/	Returns a list of ACIRegions objects. Objects can be a sub-region of an ACIRegion Object.
/v1/places/regions/aci/{aciregion_id}/	Returns a single ACIRegion object as identified by its ACI region ID. If the record has a related parent ACIRegion, then the object is a sub-region.

Information on Surveys can be obtained as a list of Surveys, Survey Versions, Survey Instances or Survey Sections, filtered by a selected Survey Code and/or Version Number using the following HTTP GET requests:

Survey URI Paths	Result
/v1/surveys/	Returns a list of Survey objects.
/v1/surveys/{survey_code}/	Returns a single Survey object identified by its survey code. For the ACI COVID 19 Health Measures, the survey code is COVID19 and case sensitive.
/v1/surveys/{survey_code}/versions/	Returns a list of Survey Version objects. A new version shall be issued when the survey changes. Versions numbers have the format of v1, v2, v3, etc. For example, a question is added or deleted from the survey.
/v1/surveys/{survey_code}/versions/ {version_number}/	Returns a single Survey Version object as identified by its version number and its related questions. Questions are grouped by their type which include: Passenger Requirements, Airport Safety Measures, and Airport Service Safety Measures.
/v1/surveys/{survey_code}/versions/ {version_number}/airports/	Returns a list of Survey Instance objects with the airports who have submitted survey responses for a given survey version.
/v1/surveys/{survey_code}/versions/ {version_number}/airports/{icao_co de}/	Returns a single Survey Instance object as identified by the Airport ICAO Code and the survey responses provided by the airport for a given survey version.
/v1/surveys/{survey_code}/versions/ {version_number}/responses/	Returns a list of Survey Instance objects for airports who have submitted survey responses for a given survey version.
/v1/surveys/{survey_code}/versions/ {version_number}/sections/	Returns a list of Survey Section objects as identified by its survey code and version number and its related questions. Questions are grouped by their type which include, Passenger Requirements, Airport Safety Measures, and Airport Service Safety Measures.