

# Airport Health Testing and Travel Information Standard

## [Abstract](#)

An Airports Council International (ACI) data interface standard for applicable health regulations and testing services at airports.

## Airport Health Testing and Travel Information Standard

Airports Council International (ACI) has developed a data interface standard for applicable health regulations and testing services at airports. This standard addresses the information that passengers and other stakeholders need in order to plan and execute their journeys during and after the COVID 19 Pandemic.

This data interface standard was produced by the ACI ACRIS (Aviation Community Recommended Information Services) working group and it complies with the ACI Airport Semantic Model and interface specifications, including the relevant terms and specification of the APIs (Application Programming Interfaces).

In anticipation of changes to health regulations and protocols, the API shall undergo changes and will be version controlled to manage these updates. For Version 1.0, the specification is focused on COVID 19 health regulations and testing. Subsequent versions will include COVID 19 vaccination regulations, vaccination facilities and services, airline partnerships with testing and vaccination facilities, health regulation exemptions, risk ranking of airports and international language support.

### Terms and Entities Used in this Specification

1. **Airport Facility:** A physical location where services provided by an authorized party for the landing and take-off of aircraft transport vehicles.
2. **Airport Information Hub (AIH):** An IT service comprised of a group of Airport Facilities who are contributing members of health and testing information for their airport.
3. **Airport Location:** The geographic data representation of the Airport Facility expressed in a standard coordinate system.
4. **Country Subdivision:** A partitioning of an ISO recognized country as defined by ISO-3166-1 into the first sub-level of government such as State, Province or Prefecture, etc. as defined by ISO 3166-2.
5. **District:** A local government area within a Country Subdivision such as a Borough, County, Municipality, Parish, etc.
6. **Government Party:** An authorized body acting on behalf of citizens to legislate the laws of the state or country, country subdivision, district or city.
7. **Health Guideline:** A statement of advice or instruction pertaining to a practice from an organization with acknowledged professional standing developed in response to a request or perceived need for such advice or instruction<sup>1</sup>.
8. **Health Recommendation:** A non-binding statement of practice that potentially provides a health benefit to the practitioner or population served developed by an organization or group of individuals with subject matter expertise. A recommendation may not be supported by scientific evidence due to a novel situation or the practice has not been widely accepted by the community<sup>2</sup>.
9. **Health Regulation:** A health legal requirement or medical compliance for citizens or non-citizens to follow issued by a government authority for a specific jurisdiction.

10. **Health Requirement:** A specific health or medical compliance issued by a government authority for citizens or non-citizens to follow under a Health Regulation.
11. **Health Rule:** A measurable health or medical compliance issued by a government authority under a Health Requirement defined by key performance indicators (KPI) or measures.
12. **Health Measure:** A classification of the types of data recordings that can be used in a Health Rule's KPI.
13. **Health Unit of Measure:** A specific quantity or quantities related to a Health Rule KPI that defines the range of values, threshold values, or existence of in the use or evaluation of a Health Rule.
14. **Operations Schedule:** The specific days and hours within a day that a service can be rendered by a Testing Facility.
15. **Testing Facility:** A physical location where a service or services are provided for administering health tests.
16. **Testing Facility Location:** The geographic data representation of the Testing Facility expressed in a standard coordinate system.
17. **Testing Service Offering:** The specific health tests and results reporting provided by a Testing Facility.
18. **Test Specification:** A health test's distinct criteria and measurements that permit its recognition as such test.

## Airport Health Testing and Travel Information 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://acris.aero/api-public/>

The link to related Swagger/API Specifications: <https://acris.aero/api-public/>

The ACI Airport Health Testing and Travel Information API supports requests for the following information:

Business Domain	Purpose
Health Regulations, Requirements and Rules	To provide the current health regulations, requirements and rules regarding COVID 19 established by the governing health authority applicable at a specific airport.
Testing Facilities and Service Offerings	To provide the available COVID 19 testing facilities and the testing services offered at or near a specific airport. Testing services include the relevant test specifications that meet the jurisdiction's regulations and requirements.

Information on Health Regulations, Requirements and Rules can be obtained as a list, filtered by a selected airport using the following HTTP GET requests:

Health Information URI Paths	Result
/aci/airports/	Returns a list of all Airport Facilities registered in the system.
/aci/airports/aih/	Returns a list of all Airport Facilities who are members of the Airport Information Hub.
/aci/airports/aih/{ Airport ICAO or IATA Code }/	Returns the detail record for a specific Airport Facility along with an Airport Location record.
/aci/airports/aih/{ Airport ICAO or IATA Code }/health/regulations/	Returns a list of all Health Regulations issued by a Government Party applicable for a specific airport identified by the Airport ICAO or IATA Code.
/aci/airports/aih/{ Airport ICAO or IATA Code }/health/regulations/{ Regulation Id }/	Returns a detail record for a specific Health Regulation applicable at a specific airport identified by the Airport ICAO or IATA Code.
/aci/airports/aih/{ Airport ICAO or IATA Code }/health/regulations/{ Regulation Id }/requirements/	Returns a list of Health Requirements for a specific Health Regulation applicable at a specific airport identified by the Airport ICAO or IATA Code. A list of related Health Rules is included.
/aci/airports/aih/{ Airport ICAO or IATA Code }/health/guidelines/	Returns a list of Health Guidelines for a specific airport identified by the Airport ICAO or IATA Code. A set of related Health Recommendations is included for each Health Guideline.
/aci/airports/aih/{ Airport ICAO or IATA Code }/health/guidelines/{ Guideline Id }/	Returns a detail record for a specific Health Guideline applicable at a specific airport identified by the Airport ICAO or IATA Code. A set of related Health Recommendations is included for each Health Guideline.

Information on Testing Facilities and Testing Service Offerings can be obtained as a list, filtered by a selected airport, or for a specific Testing Facility, identified by a unique identifier, using the following HTTP GET requests:

<b>Testing Facilities and Services URI Paths</b>	<b>Result</b>
/aci/facilities/testing/	Returns all of the Testing Facilities registered in the Airport Information Hub.
/aci/facilities/testing/{ Testing Facility Id}/	Returns the detail record for a specific Testing Facility along with a Testing Facility Location record.
/aci/facilities/testing/{Testing Facility Id}/services/	Returns all of the Testing Service Offerings for a specific Testing Facility.
/aci/facilities/testing/{Testing Facility Id}/schedule/	Returns the weekly Operations Schedule for a specific Testing Facility.
/aci/airports/{Airport ICAO or IATA Code}/	Returns the detail record for a specific Airport Facility along with an Airport Facility Location record.
/aci/airports/{Airport ICAO or IATA Code}/testing/	Returns all of the Testing Facilities for a specific Airport identified by the Airport IATA or ICAO Code.
/aci/airports/{Airport ICAO or IATA Code}/testing/onsite/	Returns only the onsite Testing Service Facilities for a specific Airport identified by the Airport IATA or ICAO Code.
/aci/airports/{Airport ICAO or IATA Code}/testing/onsite/services/	Returns all of the Testing Service Offerings for each onsite Testing Facility returned in the list for a specific Airport identified by the Airport IATA or ICAO Code. Test Specifications are included in services that are testing related.

## Document Version Control

No.	Version	Date	Description	Editor
1.	0.7	12.02.2021	Document draft created	Bob Logan (Rockport Software) Humphrey Loe (SFO) Jamie Sciascia(SFO) Logini Sivadasan (YYZ) Michael Klassen (YYZ)
2.	0.8	21.02.2021	Document draft completed	Bob Logan (Rockport Software) Humphrey Loe (SFO) Jamie Sciascia(SFO) Logini Sivadasan (YYZ) Michael Klassen (YYZ)
3.	0.9	22.02.2021	Submitted for WAITSC Approval	Kesang Ukyab
4.	1.0	23.02.2021	Approved by WAITSC	Kesang Ukyab

## References:

1. American Academy of Pediatrics, Definitions Explained: Standards, Recommendations, Guidelines, and Regulations  
[https://www.aap.org/en-us/Documents/Definitions\\_StandardsGuidelines.pdf](https://www.aap.org/en-us/Documents/Definitions_StandardsGuidelines.pdf) (accessed 17th February 2021)
2. Ibid.