

Airport Concession Facilities API v1.0

Airports Council International (ACI) has developed a standard for expressing Services provided by Concession Facilities 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.

Concessions API Specification

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

The server URL for the API is available upon request, from ACI World, and the base path is /aci/.

The ACI Concessions API supports requests for the following information:

Request	Purpose
Concession Facilities	Retrieve information on types of Concession Facilities that offer services.
Airport Concession Facilities	Retrieve information on Concession Facilities at a specific Airport.

Information on Concession Facilities can be obtained as a list of facility types, or for a specific facility type, using the following GET requests:

Concession Facilities paths	Result
/aci/concessions/types	Returns all of the Concession Facility Types defined by the ACRIS Semantic Model e.g. Food and Beverage, Retail, Amenity, Service
/aci/concessions/types/{ConcessionFacilityType ID}	Returns a single Concession Facility Type as identified by its {ConcessionFacilityType ID}

Information on Concession Facilities that provide Services at the selected Airport can be obtained using the following GET requests:

Airport Concession Facilities paths	Result
/aci/airport/{Airport ICAO Code}/concessions	Returns all of the Concession Facilities at the AirportFacility specified by ICAO Code
/aci/airport/{Airport ICAO Code}/concessions/type/{ConcessionFacilityType ID}	Returns all ConcessionFacility records for a given AirportFacility identified by its ICAO Code. If filtered, returns all ConcessionFacility records identified for a given AirportFacility identified by its ICAO Code and filtered by ConcessionFacilityType
/aci/airport/{Airport ICAO Code}/concessions/{ConcessionFacility ID}	Returns a single ConcessionFacility record identified for a given AirportFacility identified by its ICAO Code

Information on tags for the Concession Facilities that provide Services at the selected Airport can be updated using the following PUT requests:

Airport Concession Facilities paths	Result
/aci/airport/{Airport ICAO Code}/concessions/{ConcessionFacility ID}	Updates the tag information for a ConcessionFacility identified by its UUID for a given AirportFacility identified by its ICAO Code

The detailed API specification will be posted to acris.aero when the website is commissioned. The API will be extended in due course, to incorporate search facilities, and to include Customs and Border Control.

Any feedback is welcome. Please submit any feedback to support@rockportsoft.com.

Segun Alayande, Heathrow Airport
 Humphrey Loe, San Francisco Airport
 Bob Logan, Rockport Software