



ACI API Specification: Checkpoint Wait Times

New global standard for open access to passenger queue information





Business Drivers

Better information for everyone on wait times at security checkpoints in every airport.

Better metrics for a irport operators and regulators on checkpoint performance.

More accessible real-time information for all stakeholders.





ACI API Dev Team



















Available Measures

Measure	Description
Occupancy	The count of people in the queue.
Projected Wait Time	The estimated time that a person entering the queue can expect to wait.
Throughput	The average number of passengers processed over the past hour.
Wait Time	The duration that a person exiting the queue has experienced. The amount represents the average number of seconds experienced by people exiting the queue in the last five minutes.





API Platform

Passenger App makes calls to the API on the ACI platform.

JFK: 16-41:00 EDT 1-7-7 Chaspasta Colon

MSP: 14-41:00 EDT 1-7-7 Chaspasta Colon

PHX: 14-41:00 EDT 1-7-7 Chaspasta Colon

PHX: 14-41:00 EDT 1-7-7 Chaspasta Colon

SPC-13-41:00 PDT 1-7-7 Chaspasta Colon

SPC-13-41:00 PDT 1-7-7 Chaspasta Colon

Airport web client or application makes calls to the API.

API Platform

API platform hosts the standard API.

Airports provide the wait time information.

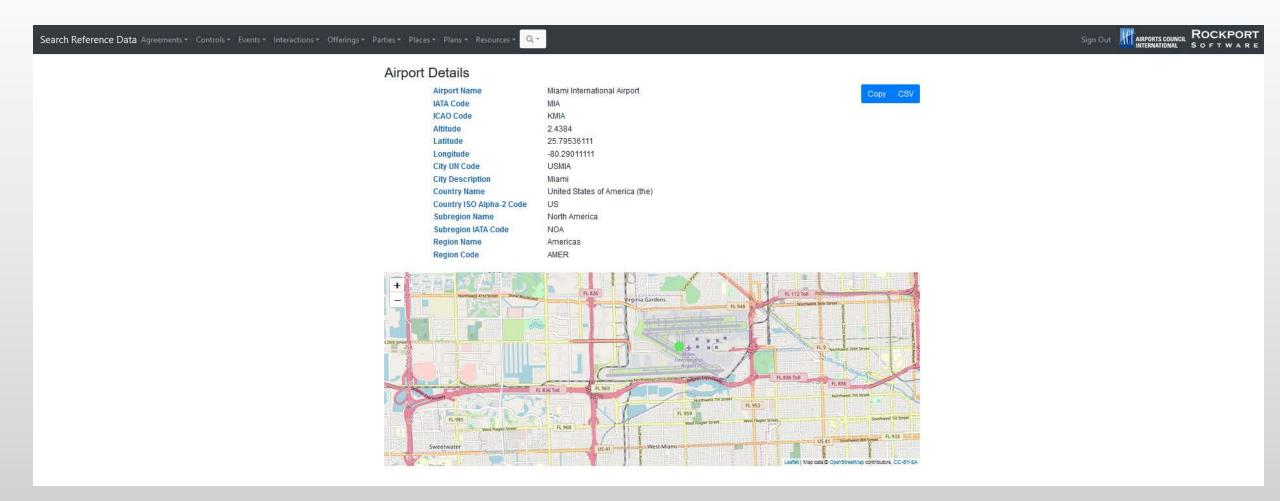
Airport Wait Times Application ACI repository provides reference data.

Reference Data Repository





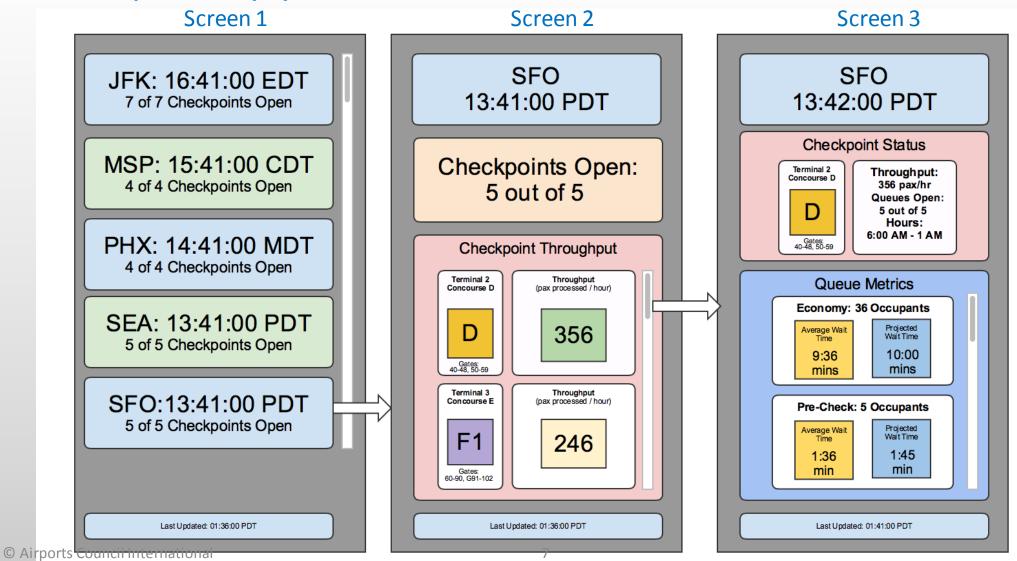
Reference Data - Miami International







Example App

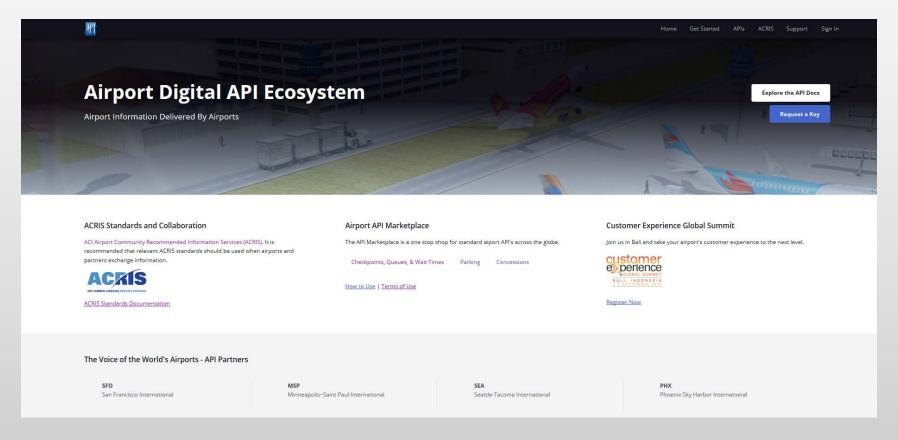






Accessing the API

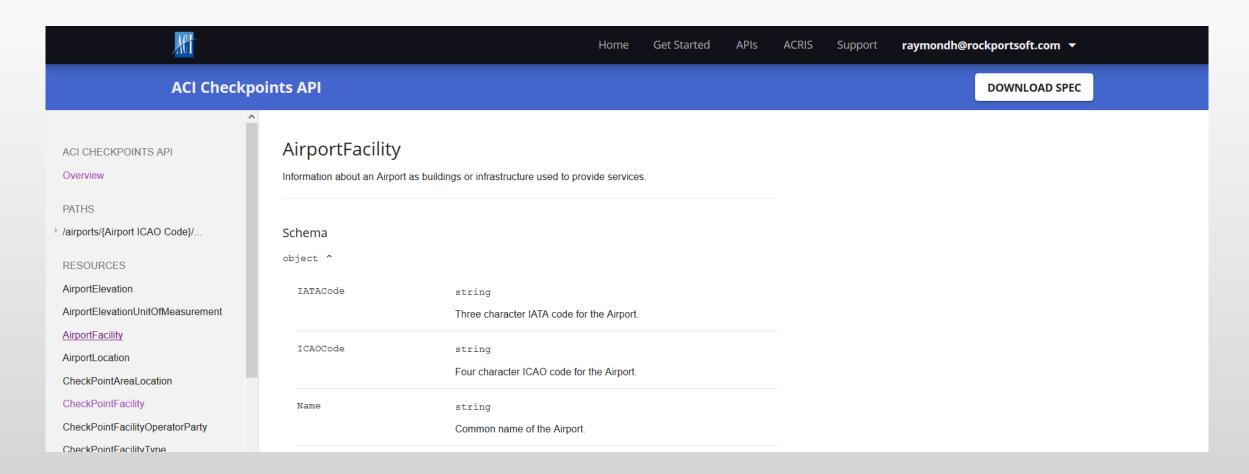
Navigate to the API Platform







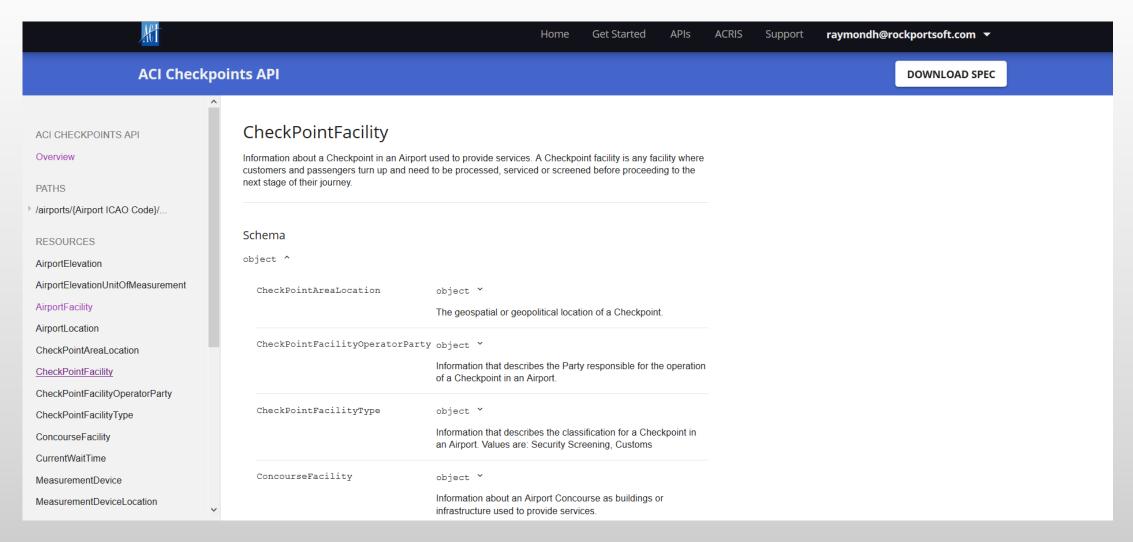
Airport Facility







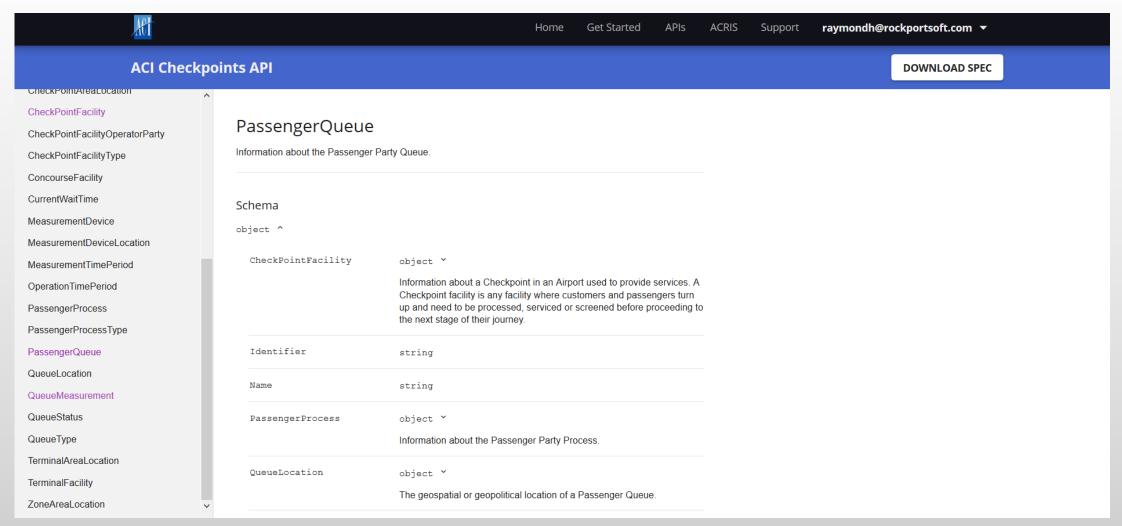
Airport Facility -> Checkpoint Facility







Airport Facility -> Checkpoint Facility -> Passenger Queue

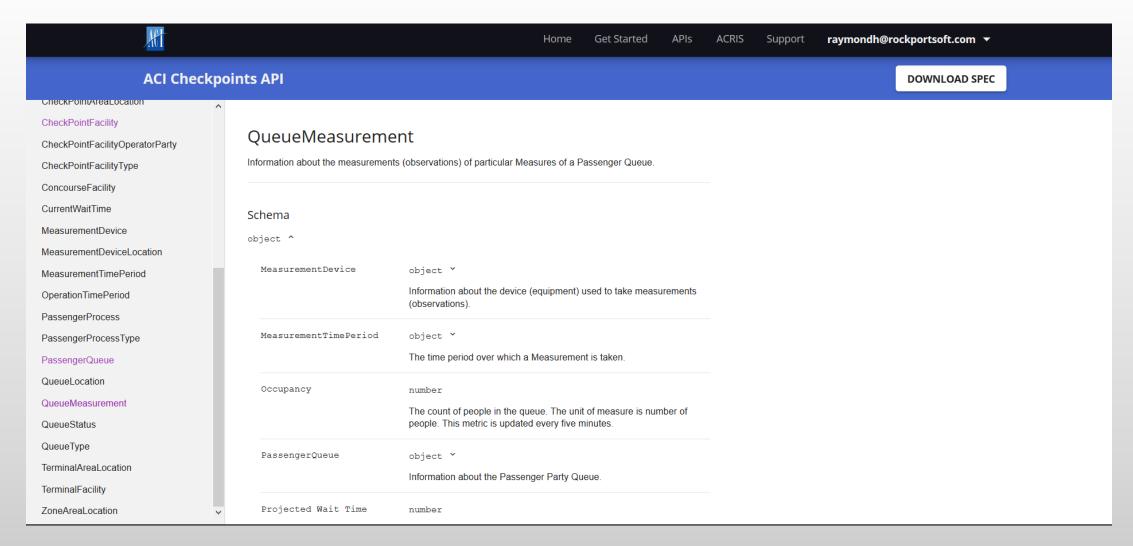


© Airports Council International 11 V2.1





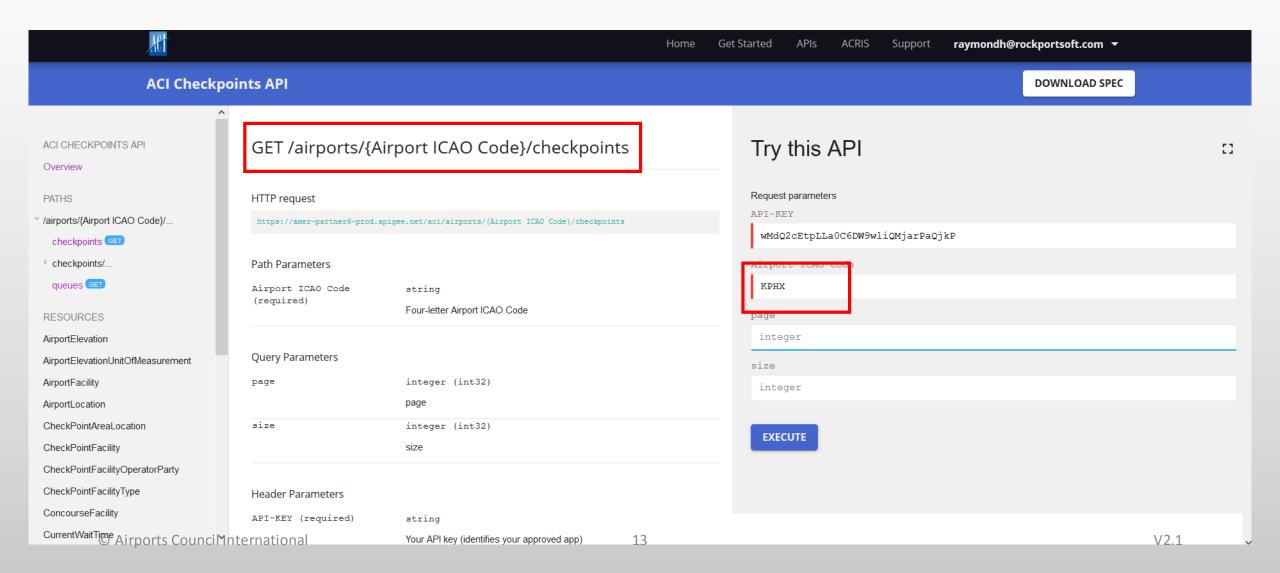
Airport Facility -> Checkpoint Facility -> Passenger Queue -> Queue Measurement







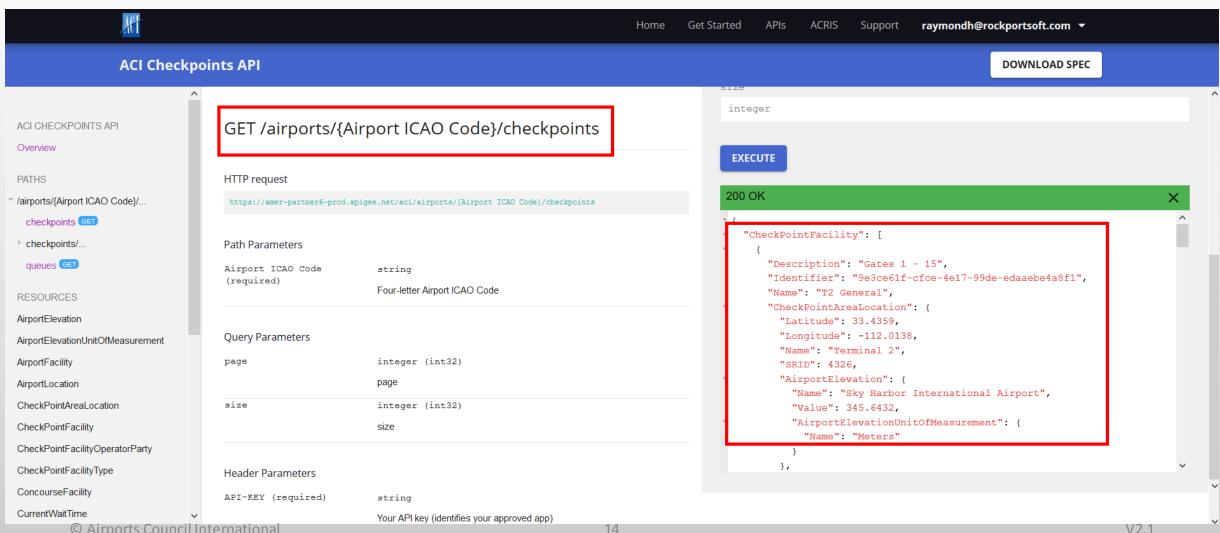
Example: GET Checkpoints for Sky Harbor







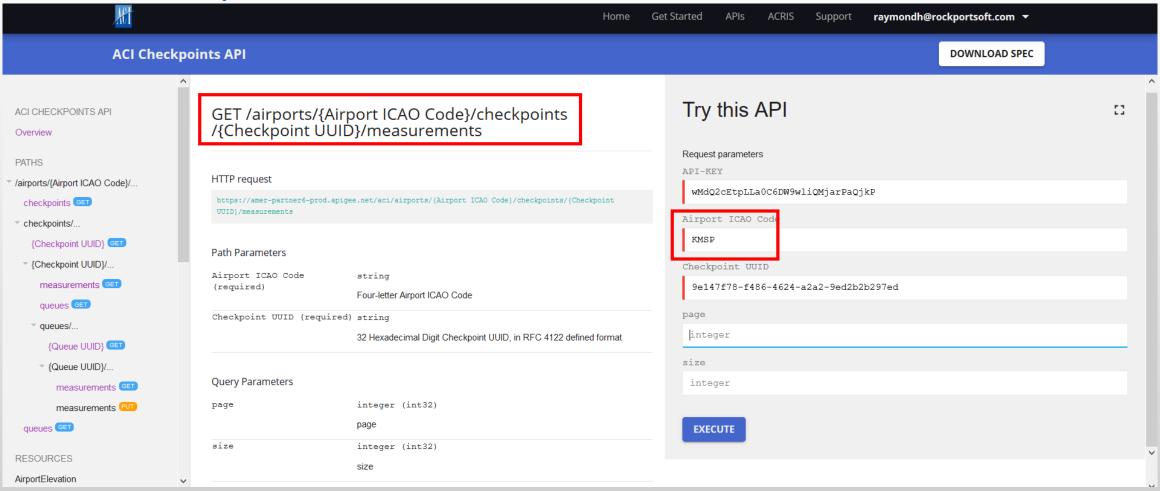
Checkpoints Response – Sky Harbor



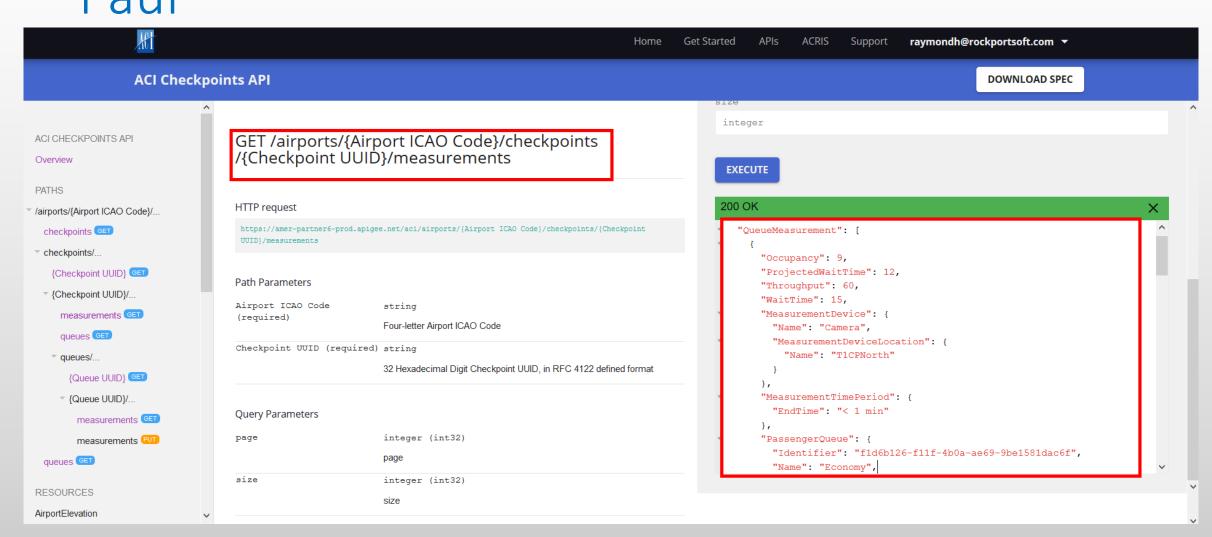




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Status

- This is a global initiative
- The platform is live
- Further participants are welcome





Getting Started

- Navigate to the API Platform
 - https://amer-partner6-aci.apigee.io
- Request access
- Generate an API key
- Download the API spec
- Start making API calls

