Aviation Support Tables
The Bureau of Transportation Statistics
December 07, 2021
https://doi.org/10.21949/1524181

National Transportation Library preservation note: The information in this document was present on the Bureau of Transportation Statistics (BTS) *TranStats* webpages on December 07, 2021. This preservation action was taken because *TranStats* is undergoing reorganization.

The original URL was https://www.transtats.bts.gov/Tables.asp?QO_VQ=IMI&QO_anzr=N8vn6v10%FDf722146%FDgnoyr5&QO_fu146_anzr=N8vn6v10%FDf722146%FDgnoyr5 . It is not known how much longer this URL will be functional.

Because a number of *TranStats* aviation-related statistical tables, products, reports, and datasets use the "Aviation Support Tables", NTL is providing access to the contextual information and code tables that were once available on the BTS web.

Please note that while the information gathered below is not displayed in the same way as on the original webpages, the intellectual content of those pages is captured and preserved for future use. Minor edits may have been introduced to correct errors or improve navigation.

The pages below capture the information presented in the TranStats html webpages. The Aviation Support Tables themselves were not displayed in the TranStats interface. Instead, users could select variables of interest and download the entire Support Table or the subset of interest. For preservation purposes, each entire Support Table is preserved. They are saved as .csv (comma separated value) files, which can be opened in any text editor or spreadsheet program. The Aviation Support Tables .csv files can be found in the folder named "Support_Table" within the .zip folder attached to this record.

Aviation_Support_Tables_and_Documentation ZIP Folder Inventory:
- Support_Tables
    - Av_Supp_T_AIRCRAFT_TYPES_20211207.csv
    - Av_Supp_T_CARRIER_DECODE_20211207.csv
    - Av_Supp_T_MASTER_CORD_20211207.csv
    - Av_Supp_T_WAC_COUNTRY_STATE_20211207.csv
- Lookup_Tables
    - L_AIRCRAFT_GROUP.csv
    - L_CARRIER_GROUP.csv
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    - L_CITY_MARKET_ID.csv
    - L_CITY_MARKET_SEQ_ID.csv
    - L_WORLD_AREA_CODES.csv
    - L_YESNO_IRESP.csv

- Web_Page_Documentation
  - BTS_Transtats_Aircraft_Support_Tables_page_20211207.pdf
  - BTS_Transtats_Aircraft_Support_Tables_page_text_20211207.txt
  - Aviation_Support_Tables_Web_Preservation_20211207_1400.pdf (this document)

These preservation actions were taken on December 07, 2021.

Aviation Support Tables

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Overview

The Aviation Support Tables provide comprehensive information about U.S. and foreign air carriers, carrier entities, worldwide airport locations, and other geographic data. These data also include information on various aircraft types, their manufacturer and model names. This information is developed and maintained by the Office of Airline Information, Bureau of Transportation Statistics, and is updated on an on-going basis.

Coverage

Data include U.S. Carriers and foreign carriers with at least one point of service in the United States or one of its territories.

Availability

First Year:
Last Year:
Frequency: On-going

Data Tables

Aircraft Types: This table identifies the different types of aircraft being reported to the DOT, by DOT assigned aircraft type codes. The information includes the DOT assigned aircraft code, the aircraft manufacturer, and the aircraft model names.

Carrier Decode: This table contains historical (time-based) information on air carriers used throughout the aviation databases. It provides a list of domestic and foreign air carrier codes, by T-100 and OAG designations, charter carrier codes, carrier descriptions, entity codes, service region, and beginning and ending dates of service.

Master Coordinate: This table contains historical (time-based) information on airports used throughout the aviation databases. It provides a list of domestic and foreign airport codes and their associated world area code, country information, state information (if applicable), city name, airport name, city market information, and latitude and longitude information.

World Area Codes: This table contains historical (time-based) information on world area codes used throughout the aviation databases. It provides a list of domestic and international world area codes and their associated world area code name, country information, and state information (if applicable).

Summary Tables

National Transportation Statistics

Air Carrier Profile   http://www.bts.gov/publications/national_transportation_statistics/

General Aviation Profile   http://www.bts.gov/publications/national_transportation_statistics/

Related Links

Large Air Carrier Statistics   (Data in TranStats Data Library)
https://www.transtats.bts.gov/databases.asp?Z1qr_VQ=E&Z1qr_Qr5p=N8vn6v10&f7owrp6_VQF=D

Air Carrier Financial Reports (Data in TranStats Data Library)
https://www.transtats.bts.gov/databases.asp?Z1qr_VQ=E&Z1qr_Qr5p=N8vn6v10&f7owrp6_VQF=D

Terms and Definitions

Airline ID: An identification number assigned by US DOT to identify a unique airline (carrier). A unique airline (carrier) is defined as one holding and reporting under the same DOT certificate regardless of its Code, Name, or holding company/corporation. Use this field for analysis across a range of years.

Airport Code: A three character alpha-numeric code issued by the U.S. Department of Transportation which is the official designation of the airport. The airport code is not always unique to a specific airport because airport codes can change or can be reused.

Airport ID: An identification number assigned by US DOT to identify a unique airport. Use this field for airport analysis across a range of years because an airport can change its airport code and airport codes can be reused.

Carrier Code: Code assigned by IATA and commonly used to identify a carrier. As the same code may have been assigned to different carriers over time, the code is not always unique.

City Market ID: An identification number assigned by US DOT to identify a city market. Use this field to consolidate airports serving the same city market.

Unique Carrier Code: It is the Carrier Code most recently used by a carrier. A numeric suffix is used to distinguish duplicate codes, for example, PA, PA (1), PA (2). Use this field to perform analysis of data reported by one and only one carrier.

Unique Carrier Entity: This field distinguishes entities used by two or more carriers with a numeric suffix, for example, 06038 and 06038 (1).

Unique Carrier Name: It is the name most recently used by a carrier. If two or more carriers have the same most recent name, a numeric suffix is used to distinguish them, for example, Air Caribbean, Air Caribbean (1).

World Area Code (WAC): Numeric codes used to identify geopolitical areas such as countries, states (U.S.), provinces (Canada), and territories or possessions of certain countries. The codes are used within the various data banks maintained by the Office of Airline Information (OAI) and are created by OAI.

Data Source and Contacts

Data Provider Agency: OST_R/BTS

Data Provider Office: Office of Airline Information

BTS Contact: TranStats Customer Support

Phone: (800) 853-1351

Email: answers@dot.gov

Data Table: Aircraft Type

Description: This table identifies the different types of aircraft being reported to the DOT, by DOT assigned aircraft type codes. The information includes the DOT assigned aircraft code, the aircraft manufacturer, and the aircraft model names.

Table Profile:

Records:	428
Fields:	8
First Year:	[no value given]
Last Year:	[no value given]
Frequency:	N/A
Latest Available Data:	N/A

Data Dictionary (Table Contents):

Field Name	Description
AircraftTypeId:	Aircraft Type Identification Number. This number is related to the aircraft group number and falls within the range of a group number.
AircraftGroup:	Aircraft Type Group. This number gives the group or classification of aircraft engine and type of aircraft. [See Lookup Tables folder for: L_AIRCRAFT_GROUP.csv]
Name:	Aircraft Name
Manufacturer:	Manufacturing Company Name
LongName:	Complete Name of the Aircraft
ShortName:	Abbreviated Name of the Aircraft
StartDate:	The date when the aircraft was added to the database.
EndDate:	The date through which aircraft type remains in effect.

Downloaded Table Name: Av_Supp_T_AIRCRAFT_TYPES_20211207.csv
(See files attached to this record.)

Data Table: Carrier Decode

Description: This table contains historical (time-based) information on air carriers used throughout the aviation databases. It provides a list of domestic and foreign air carrier codes, by T-100 and OAG designations, charter carrier codes, carrier descriptions, entity codes, service region, and beginning and ending dates of service.

Table Profile:

Records:	2725
Fields:	13
First Year:	[no value given]
Last Year:	[no value given]
Frequency:	N/A
Latest Available Data:	N/A

Data Dictionary (Table Contents):

Field Name	Description
AirlineID	An identification number assigned by US DOT to identify a unique airline (carrier). A unique airline (carrier) is defined as one holding and reporting under the same DOT certificate regardless of its Code, Name, or holding company/corporation.
Carrier	Code assigned by IATA and commonly used to identify a carrier. As the same code may have been assigned to different carriers over time, the code is not always unique.
CarrierEntity	Carrier Entity
CarrierName	Carrier Name
UniqueCarrier	Unique Carrier Code. When the same code has been used by multiple carriers, a numeric suffix is used for earlier users, for example, PA, PA(1), PA(2). Use this field for analysis across a range of years.
UniqCarrierEntity	Unique Entity for a Carrier's Operation Region.
UniqueCarrierName	Unique Carrier Name. When the same name has been used by multiple carriers, a numeric suffix is used for earlier users, for example, Air Caribbean, Air Caribbean (1).
WAC	World Area Code [See Lookup Tables folder for: L_WORLD_AREA_CODES.csv]
CarrierGroup	Carrier Group Code. Used in Legacy Analysis [See Lookup Tables folder for: L_CARRIER_GROUP.csv]
CarrierGroupNew	Carrier Group New [See Lookup Tables folder for: L_CARRIER_GROUP_NEW.csv]

Region	Carrier's Operation Region. Carriers Report Data by Operation Region
StartDate	Starting Date of Carrier Code
EndDate	Ending Date of Carrier Code (Active = NULL)

Downloaded Table Name: Av_Supp_T_CARRIER_DECODE_20211207.csv
(See files attached to this record.)

Data Table: Master Coordinate

Description: This table contains historical (time-based) information on airports used throughout the aviation databases. It provides a list of domestic and foreign airport codes and their associated world area code, country information, state information (if applicable), city name, airport name, city market information, and latitude and longitude information.

Table Profile:

Records:	18,162
Fields:	32
First Year:	[no value given]
Last Year:	[no value given]
Frequency:	N/A
Latest Available Data:	N/A

Data Dictionary (Table Contents):

Field Name	Description
AirportSeqID	An identification number assigned by US DOT to identify a unique airport at a given point of time. Airport attributes, such as airport name or coordinates, may change over time.
AirportID	An identification number assigned by US DOT to identify a unique airport. Use this field for airport analysis across a range of years because an airport can change its airport code and airport codes can be reused.
Airport	A three character alpha-numeric code issued by the U.S. Department of Transportation which is the official designation of the airport. The airport code is not always unique to a specific airport because airport codes can change or can be reused.
AirportName	Airport Name
AirportCityName	Airport City Name with either U.S. State or Country
AirportWacSeqID2	Unique Identifier for a World Area Code (WAC) at a given point of time for the Physical Location of the Airport. See World Area Codes support table.
AirportWac	World Area Code for the Physical Location of the Airport [See Lookup Tables folder for: L_WORLD_AREA_CODES.csv]
AirportCountryName	Country Name for the Physical Location of the Airport
AirportCountryCodeISO	Two-character ISO Country Code for the Physical Location of the Airport
AirportStateName	State Name for the Physical Location of the Airport
AirportStateCode	State Abbreviation for the Physical Location of the Airport

AirportStateFips	FIPS (Federal Information Processing Standard) State Code for the Physical Location of the Airport
CityMarketSeqID	An identification number assigned by US DOT to identify a city market at a given point of time. City Market attributes may change over time. For example the country associated with the city market can change over time due to geopolitical changes. [See Lookup Tables folder for: L_CITY_MARKET_SEQ_ID.csv]
CityMarketID	An identification number assigned by US DOT to identify a city market. Use this field to consolidate airports serving the same city market. [See Lookup Tables folder for: L_CITY_MARKET_ID.csv]
CityMarketName	City Market Name with either U.S. State or Country
CityMarketWacSeqID2	Unique Identifier for a World Area Code (WAC) at a given point of time for the City Market. See World Area Codes support table.
CityMarketWac	World Area Code for the City Market [See Lookup Tables folder for: L_WORLD_AREA_CODES.csv]
LatDegrees	Latitude, Degrees
LatHemisphere	Latitude, Hemisphere
LatMinutes	Latitude, Minutes
LatSeconds	Latitude, Seconds
Latitude	Latitude
LonDegrees	Longitude, Degrees
LonHemisphere	Longitude, Hemisphere
LonMinutes	Longitude, Minutes
LonSeconds	Longitude, Seconds
Longitude	Longitude
UTCLocalTimeVariation	Time Zone at the Airport
AirportStartDate	Start Date of Airport Attributes
AirportEndDate	End Date of Airport Attributes (Active = NULL)
AirportIsClosed	Indicates if the airport is closed (1 = Yes). If yes, the airport is closed is on the AirportEndDate. [See Lookup Tables folder for: L_YESNO_IRESP.csv]
AirportIsLatest	Indicates if this row contains the latest attributes for the Airport (1 = Yes) . [See Lookup Tables folder for: L_YESNO_IRESP.csv]

Downloaded Table Name: Av_Supp_T_MASTER_CORD_20211207.csv
(See files attached to this record.)

Data Table: World Area Codes

Description: This table contains historical (time-based) information on airports used throughout the aviation databases. It provides a list of domestic and foreign airport codes and their associated world area code, country information, state information (if applicable), city name, airport name, city market information, and latitude and longitude information.

Table Profile:

Records:	344
Fields:	16
First Year:	[no value given]
Last Year:	[no value given]
Frequency:	N/A
Latest Available Data:	N/A

Data Dictionary (Table Contents):

Field Name	Description
Wac	World Area Code [See Lookup Tables folder for: L_WORLD_AREA_CODES.csv]
WacSeqID2	Unique Identifier for a World Area Code (WAC) at a given point of time. WAC attributes may change over time. For example the country name associated with the WAC can change, but the WAC code stays the same.
WacName	World Area Code Name
WorldAreaName	Geographic Region of World Area Code
CountryName	Country Name
CountryType	Country Type
Capital	Capital
Sovereignty	Sovereignty
CountryCode	Two-Character ISO Country Code
StateCode	State Abbreviation
StateName	State Name
StateFips	FIPS (Federal Information Processing Standard) State Code
StartDate	Start Date of World Area Code Attributes
EndDate	End Date of World Area Code Attributes (Active = NULL)
Comments	Comments

IsLatest   Indicates if this row contains the latest attributes for the World Area Code (1 = Yes) [See Lookup Tables folder for: L_YESNO_IRESP.csv]

Downloaded Table Name: Av_Supp_T_WAC_COUNTRY_STATE_20211207.csv
(See files attached to this record.)