

ABN 59 698 720 886

# Statutory Charging Determination Services and Facilities

This Determination is made by the Airservices Australia Board under Division 3 of Part 5 of the Air Services Act 1995.

Dated 22 July 2025

Anne T. Brown Acting Chair

Robert Sharp

Chief Executive Officer



Seal of Air Services Australia

# Contents

Backgr	round	3
1	Legislative basis	3
2	Application	3
3	Scope and nature of Charges	4
4	Terminal navigation Charges	4
5	Aviation rescue and fire fighting Charges	4
6	Enroute navigation charges	5
7	General Aviation Option	5
8	Who has to pay	6
9	Payment of Charges, Penalty, Liens and Remission	6
10	Replacement and variations	7
11	Privacy and collection of flight data	8
12	Definitions	9
Schedu	ıle 1: Terminal navigation Charges	2
Schedu	ıle 2: Aviation rescue and fire fighting Charges	4
Schedu	ıle 3: Enroute navigation Charges	6
Schedu	ıle 4: Change of Aircraft Operator1	7
Schedu	ıle 5: Chargeable Weight	8
Schedu	ule 6: Chargeable Distance	20

# Background

#### A. PURPOSE

- 1. This Determination is made by the Board and sets:
  - (a) charges for services and facilities provided by Airservices Australia (Airservices);
  - (b) penalties for late payment of service charges; and
  - (c) other relevant information.

#### B. COMMENCEMENT AND DURATION

- 1. This Determination commences on 1 August 2025 and replaces the Contract for the provision of aviation facilities and services dated 1 July 2022.
- 2. Airservices may vary or replace this Determination in accordance with paragraph 10.2 of this Determination.

#### C. TERMINOLOGY

1. Capitalised terms and acronyms are defined in paragraph 12.2 of this Determination (Definitions).

## 1 Legislative basis

- 1.1 Under section 8 of the *Air Services Act 1995* (Cth) (the Act), Airservices may provide certain services and facilities.
- 1.2 Under section 53 of the Act, the Board may make a written determination that sets the charges for any services and facilities provided by Airservices, and penalties for late payment of service charges.
- 1.3 A late payment penalty is payable under section 56 of the Act.
- 1.4 The Board's power to set (or increase) any charges or penalties for late payment of service charges is subject to:
  - (a) Airservices satisfying the relevant requirements under Part VIIA of the Competition and Consumer Act 2010 (section 55 of the Act); and
  - (b) the Minister approving a determination in writing (section 54 of the Act).
- 1.5 A determination under section 53 of the Act does not prevent Airservices from providing any Services and Facilities under a separate contract.

# 2 Application

- 1. This Determination sets the charges (Charges) for the following services and facilities (Services and Facilities):
  - (a) terminal navigation charges (paragraph 4)
  - (b) aviation rescue and firefighting charges (paragraph 5); and
  - (c) enroute charges (paragraph 6).
- 2. This Determination does not apply to Services and Facilities that Airservices may provide under a separate contract.

## 3 Scope and nature of Charges

- 3.1 A person who uses any Service or Facility provided by Airservices (i.e., a User) is required to pay the Charges set by this Determination.
- 3.2 The Charges apply to all flights operated by a User, both domestic and international, within the Australian Flight Information Region except:
  - (a) flights that a User notifies Airservices (and for which a User supplies independent substantiating documentation) are Maintenance Flights or Test Flights, and Airservices agree that they are Maintenance Flights or Test Flights; and
  - (b) operational missed approaches.
- 3.3 Where the Charges are calculated by reference to the weight of an Aircraft, the Charges apply to each tonne of the Aircraft's weight (**Chargeable Weight**), with any part of a tonne charged on a pro-rata basis.
- 3.4 All Charges are inclusive of any Goods and Services Tax (GST) payable under the A New Tax System (Goods and Services Tax) Act 1999 (Cth), unless otherwise specified. If there is any change in legislation that adjusts the rate of GST to something other than 10%, the Charges will be adjusted to reflect the new GST rate.
- 3.5 Unless expressly specified otherwise (for example in relation to GST) all Charges are exclusive of any Taxes.

# 4 Terminal navigation Charges

- 4.1 The Charge payable for the terminal navigation component of the Services and Facilities for each:
  - (a) landing only;
  - (b) practice instrument approach only;
  - (c) practice instrument approach immediately followed by a landing;
  - (d) session of circuit training only; and
  - (e) session of circuit training immediately followed by a landing, at an aerodrome with a control service is outlined in Table 1 Schedule 1 of this Determination.
- 4.2 For each landing at a place within an Aerodrome Control Zone associated with an aerodrome listed in Table 1 Schedule 1 (but not at the aerodrome itself) the Charge for the terminal navigation component of the Services and Facilities is half (50%) of the Charge that would otherwise be payable under paragraph 4.1.
- 4.3 Terminal navigation Charges apply if the Services and Facilities are available for use by the Aircraft at any time during circuit training or at the time of landing.
- 4.4 The hours of operation for each aerodrome are notified in the ERSA and NOTAM. Terminal navigation Services and Facilities made available to a User outside those hours, following a request from a User, will be payable as outlined in Table 2 Schedule 1.

## 5 Aviation rescue and fire fighting Charges

- 5.1 The Charge payable for the aviation rescue and firefighting (ARFF) component of the Services and Facilities for each:
  - (a) landing;
  - (b) practice instrument approach;
  - (c) practice instrument approach immediately followed by a landing;
  - (d) session of circuit training only; and

- (e) session of circuit training immediately followed by a landing, at an aerodrome with an aviation rescue and fire fighting service is outlined in Table 1 Schedule 2 of this Determination.
- 5.2 The ARFF Charges apply to any Aircraft with a Chargeable Weight of 5.7 tonnes or more if the Services and Facilities are available for use by the Aircraft at any time during circuit training or at the time of landing unless:
  - (a) the Aircraft has a Chargeable Weight of less than 15.1 tonnes; and
  - (b) the User demonstrates to Airservices' satisfaction that the flight was for a non-commercial purpose or was used only to carry crew.
- 5.3 The hours of operation for each aerodrome are notified in the ERSA and NOTAM. ARFF Services and Services made available to a User outside those hours will be payable as outlined in Table 2 Schedule 2.

# 6 Enroute navigation charges

- 6.1 If all or any part of a flight operates under Instrument Flight Rules, the enroute navigation Charge payable for the flight is calculated in accordance with Table 1 Schedule 3 of this Determination.
- 6.2 If a flight lands within an Aerodrome Control Zone but not at the aerodrome, the enroute charge is:
  - (a) calculated according to paragraph 6.1; and
  - (b) then reduced by the amount of any terminal navigation Charge, the reduction being limited to the amount of the enroute charge from paragraph 6.2(a).

# 7 General Aviation Option

- 7.1 From time to time Airservices will contact Users who are the registered owners of Light Aircraft that are recorded as having flown in the Australian Flight Information Region, offering the General Aviation Option. The General Aviation Option will reflect Airservices estimation of the Charges payable for the Light Aircraft in the forthcoming Financial Year, based on the rates outlined in Schedules 1, 2 and 3 of this Determination and the activity of the Light Aircraft in the preceding Financial Year.
- 7.2 If a User receives an offer from Airservices for the General Aviation Option they can elect to participate by accepting the terms of the offer. If a User does not elect to accept the terms of Airservices's offer, Airservices will charge the User in accordance with paragraphs 4, 5 and 6 of this Determination.
- 7.3 If a User elects the General Aviation Option, they must notify Airservices in writing in accordance with the terms of the offer.
- 7.4 If Airservices estimates that a Light Aircraft will be liable in the forthcoming Financial Year for Charges of \$500.00 or less Airservices will notify the registered owner of the Light Aircraft that, in relation to that Light Aircraft, no Charges are payable in the forthcoming Financial Year.
- 7.5 If a User would like to terminate the General Aviation Option in relation to their Light Aircraft, they can write to Airservices at the following address requesting termination:

Credit Manager
Airservices Australia
GPO Box 784
Canberra ACT 2601
accounts.receivable@airservicesaustralia.com

7.6 Upon receipt of a User's written request in accordance with paragraph 7.5, Airservices will:

- (a) cancel the General Aviation Option;
- (b) refund any amount paid by the User in advance under the General Aviation Option, on a pro-rata basis within 28 calendar days from the date Airservices received the written request; and
- in relation to the Light Aircraft, commence charging the User in accordance with paragraphs 4, 5 and 6.

## 8 Who has to pay

- 8.1 A User is liable for all Charges incurred by their Aircraft during a flight.
- 8.2 A Charge is incurred:
  - (a) whenever a User asks Airservices to provide a Service or Facility; or
  - (b) whenever a User receives a Service or Facility from Airservices.
- 8.3 The definition of "User" in paragraph 13.2 of this Contract may result in more than one person or User being liable to pay Charges. If this is the case, Airservices will invoice the Operator of the Aircraft initially, although Airservices may seek payment of the Charges from any User who is liable to pay the Charges. Airservices does not need to exercise or exhaust its rights against one User before it exercises its rights against any other User who is also liable to pay the Charges.
- 8.4 If another person or User agrees to pay Charges incurred by a User, that person or User must notify Airservices of this agreement and provide contact details for the person or User so that Airservices can forward invoices directly to them. Unless a User sells or otherwise assigns an Aircraft and comply with paragraph 8.5 of this Determination, a User will remain liable for all Charges incurred by that Aircraft, regardless of whether Airservices forward invoices to another person or User as requested under this paragraph 8.4.
- 8.5 If a User sells or otherwise assigns ownership of an Aircraft, they will remain liable for Charges incurred in relation to that Aircraft until:
  - (a) the User provides Airservices with a completed Change of Aircraft Operator Form; and
  - (b) Airservices confirms (using the CASA aircraft registration website) that the User is no longer the current holder of the Certificate of Registration for the Aircraft.

# 9 Payment of Charges, Penalty, Liens, and Remission

- 9.1 A Charge must be paid on the due date specified in the relevant invoice issued by Airservices unless a due date for payment is not specified, in which case the due date for payment of a Charge is 28 calendar days from the date of the relevant invoice.
- 9.2 A User must check all invoice details on receipt and advise Airservices within 90 calendar days of any irregularity or discrepancy, after which time the User will be deemed to accept any Charge set out in the invoice.
- 9.3 If a User does not pay a Charge by the due date for payment, they are liable to pay Airservices (in addition to the Charge):
  - (a) a penalty, as advised from time to time by Airservices, of no more than 1.5% of the unpaid amount of the Charge for each month or part of a month during which it remains unpaid, calculated daily from the due date for payment, and compounded monthly; and
  - (b) they must pay any legal and other costs, charges and expenses incurred by Airservices or on Airservices' behalf to recover any unpaid amount of the Charge or late payment penalty.

- Payment made by a User for Charges that are overdue will be applied first against payment of legal and other costs, charges, and expenses under paragraph 9.3(b), then against any penalty accrued under paragraph 9.3(a), and then against the overdue Charge.
- 9.5 If a User does not pay a Charge by the due date for payment, Airservices may do any one or more of the following:
  - (a) provide a notice to CASA notifying them of the User's failure to pay the Charge;
  - (b) engage a third party to recover any unpaid Charge or late payment penalty as a debt from the User;
  - (c) recover any unpaid Charge or late payment penalty as a debt in a court of competent jurisdiction; and/or
  - (d) take any other action Airservices reasonably believes is necessary and is consistent with its powers and functions under the Act and has regard to the safety of air navigation.
- 9.6 If a Charge in respect of an aircraft is not paid in full by the due date for payment, and any part of the Charge, or any late payment penalty on the Charge, remains unpaid; Airservices may make an entry in the Register of Statutory Liens after which a statutory lien on the aircraft yests in Airservices.
- 9.7 A statutory lien covers:
  - (a) the Charge or penalty;
  - (b) any penalty that becomes payable in respect of the Charge after the entry is made;
  - (c) any further outstanding amounts in respect of the aircraft.
- 9.8 Any statutory lien imposed by Airservices is done in accordance with Division 4, Subdivision A of the Act and Part 4 of the Air Services Regulations 2019.
- 9.9 The Board, or an Airservices' employee authorised by the Board, may remit the whole or part of a Charge or late payment penalty if:
  - (a) a written application is made by the User who incurred the charge or penalty; and
  - (b) the Board or the employee is satisfied that the remission is justified by exceptional circumstances or circumstances beyond the control of the User.
- 9.10 A User must pay any Charges owing to Airservices under this Determination immediately where the application of any remission authorised under paragraph 9.6 ceases.
- 9.11 If the amount of GST included in a GST inclusive Charge under this Determination does not fully cover Airservices GST liability, then upon request the User must pay to Airservices any additional amount required to cover Airservices' GST liability.
- 9.12 If a Charge on an invoice has been characterised incorrectly as either GST free or not a taxable supply, then, notwithstanding paragraph 3.4, the Charge in this instance is GST exclusive. Upon request the User must pay to Airservices an additional amount required to cover Airservices GST liability.

## 10 Replacement and variations

- 10.1 This Determination will remain current for all Services and Facilities from the date the Determination is made by the Board until notice of any variation or replacement is given under paragraph 10.2.
- Airservices may vary or replace any of the terms and conditions either by publication on its website, or public notice, or by giving Users notice in writing at least one month

before the variation or replacement takes effect. Airservices will provide any written notice to the contact details available for a User on Airservices register, CASA's register or, in the case of Aircraft registered outside Australia, other international aircraft registers. A notice from Airservices is taken to be received by a User:

- (a) if posted, on the third calendar day after posting (or, if posted to or from a place outside Australia, on the seventh calendar day after posting); or
- (b) if emailed, when the sender receives confirmation that the email has been properly delivered to a system from which the addressee can receive it (or, if the sender does not receive such confirmation within two hours after sending the email and has not received a message that the email has not been received, two hours after sending the email).

## 11 Privacy and collection of flight data

- 11.1 For the purposes of this Determination the definition of "**personal information**" is the same as that adopted in the *Privacy Act 1988* (Cth) (Privacy Act) being: information or an opinion about an identified individual, or an individual who is reasonably identifiable:
  - (a) whether the information or opinion is true or not; and
  - (b) whether the information or opinion is recorded in a material form or not.
- 11.2 Airservices collects, uses, discloses and stores (collectively "handles") personal information that is reasonably necessary for, or directly related to, the performance of its functions or activities under the Act.
- 11.3 This includes the collection, use and disclosure of personal information (e.g., name, address, telephone number, email address and credit card information) by Airservices required to effectively implement and administer this Determination.
- 11.4 Airservices will handle all personal information collected under this Determination in accordance with the Australian Privacy Principles as contained in the Privacy Act and the Airservices' Privacy Policy.
- Airservices will not use or disclose any personal information (including sensitive information) to a third party for any secondary purpose other than those specified in paragraphs 11.2 and 11.3 (primary purpose), unless:
  - (a) a User would reasonably expect Airservices to use or disclose their personal information for the secondary purpose, and that purpose is related to the primary purpose of collection; or
  - (b) required or authorised by or under an Australian law or a court/tribunal order, including to enable Airservices to comply with its statutory obligations (e.g., reporting to parliament, a parliamentary member or committee or for audit purposes); or:
  - (c) a permitted general situation exists in relation to the secondary use or disclosure of the information, including:
    - (i) reporting to CASA pursuant of paragraph 11.5(a)(i) of this Determination; and
    - (ii) disclosure to any other entity who collects Charges in relation to a User's use of the Services and Facilities; or
  - (d) a User has consented to the use or disclosure of the information.
- Airservices also collects **flight data** which includes the registration of an Aircraft, its location, flight plan and other information relevant to the conduct of flight within the Australian Flight Information Region. Airservices stores this information on its internal databases and may provide this data to third party entities operating live flight tracking data services, and other entities such as airlines, airports and entities involved in ensuring the efficiency of the air traffic system in Australia. Airservices will not provide any personal information or customer data in the provision of these services.

### 12 Definitions

- 12.1 Unless defined otherwise in paragraph 12.2 of this Determination:
  - (a) all other capitalised terms in this Determination have the same meaning as the corresponding terms defined in the Air Services Act 1995 (Cth), Civil Aviation Act 1988 (Cth), and the Air Navigation Act 1920 (Cth), and their accompanying Regulations, and;
  - (b) any other technical industry terms not defined by legislation have the meanings generally given to them in the aviation industry.
- 12.2 The capitalised words in this Determination have the following meaning, unless otherwise specified:

#### "Aerodrome Control Service Deduction" is:

- (a) 55 kilometres, if the flight either originates from or ends at (but not both) an aerodrome in the Australian Flight Information Region with a control service in operation as described in the ERSA and NOTAM;
- (b) 110 kilometres, if the flight originates from and ends at aerodromes in the Australian Flight Information Region with control services in operation at both aerodromes as described in the ERSA and NOTAM; or
- (c) equal to zero, if paragraphs (a) or (b) are not applicable.
- "Aerodrome Control Zone" means specific airspace around the aerodrome as defined in the Designated Airspace Handbook as set out in the AIP.
- "AIP" means the Aeronautical Information Package produced by Airservices, and updated from time to time, found on Airservices' website: <a href="https://www.airservicesaustralia.com/publications">www.airservicesaustralia.com/publications</a>.
- "Aircraft" means any machine that can derive support in the atmosphere from the reactions of the air other than the reactions of the air against the earth's surface.
- "Aircraft Category" means an aircraft category as defined, and updated from time to time, by the International Civil Aviation Organisation.
- "Aircraft Type" means an aircraft type as defined, and updated from time to time, by the International Civil Aviation Organisation.
- "Airservices" means Airservices Australia and includes its successors and assigns.
- "Australian Flight Information Region" means the Australian flight information region(s) as designated by the International Civil Aviation Organisation.
- "Board" means the Board of Airservices Australia.
- "CASA" means the Civil Aviation Safety Authority.
- "Change of Aircraft Operator Form" means the form set out in Schedule 4 of this Determination.

#### "Chargeable Distance" means:

- (a) for a flight involving a take-off and a landing at the same aerodrome within the Australian Flight Information Region, with no intermediate landings elsewhere and no control service available for use at the time the flight terminates: 100 kilometres;
- (b) for a flight originating and ending at different aerodromes within the Australian Flight Information Region: The Great Circle Distance less any applicable Aerodrome Control Service Deduction;
- (c) for a flight originating and/or ending at an aerodrome outside the Australian Flight Information Region:
  - (i) if the city pair route is listed in Schedule 6: the chargeable distance

- specified in Schedule 6 less any applicable Aerodrome Control Service Deduction; or
- (ii) if the city pair route is not listed in Schedule 6: Our reasonable estimate of that part of the Great Circle Distance falling within the Australian Flight Information Region less any applicable Aerodrome Control Service Deduction; or
- (d) if the distance cannot be calculated in accordance with paragraphs (a) to (c) above, or for the purposes of paragraph (c)(ii) no part of the Great Circle Distance falls within the Australian Flight Information Region: 100 kilometres.
- "Chargeable Weight" means the weight applied for charging as listed in Schedule 5. Where the Aircraft type is not shown in Schedule 5, the maximum take-off weight of the aircraft, as noted in the relevant Aircraft's flight manual or as otherwise reasonably determined by Airservices shall be applied.
- "Charges" means, collectively or individually, those:
- (a) terminal navigation charges described in paragraph 4;
- (b) aviation and rescue fire fighting services charges described in paragraph 5; and
- (c) enroute navigation charges described in paragraph 6,

that a User is required to pay in accordance with this Determination, for use of Airservices' Services and Facilities.

- "Circuit Training" involves approaches to the runway, touching down and then applying power to take off again.
- "Contract" means the agreement for the provision of aviation facilities and services dated 1 July 2022 that is replaced by this Determination.
- "**Determination**" means this Determination made by the Board effective on 1 August 2025 to set Charges for Services and Facilities and penalties for late payment of service charges.
- "ERSA" means the En Route Supplement Australia set out in the AIP.
- "Services and Facilities" cover the following facilities and services provided by Airservices under this Determination:
- (a) terminal navigation (see Schedule 1):
- (b) aviation rescue and fire fighting (see Schedule 2); and
- (c) enroute navigation (see Schedule 3).
- "Financial Year" means the period beginning on 1 July and ending on the following 30 June.
- "General Aviation Option" means Airservices estimate of the annual charges for a Light Aircraft for the forthcoming Financial Year, calculated in accordance with paragraph 7.
- "Great Circle Distance" means the distance, measured in kilometres, from the latitude and longitude of the Aircraft's point of departure (on the surface of the Earth) to the latitude and longitude of the Aircraft's point of arrival (on the surface of the Earth) measured along the shortest path on the surface of the Earth.
- "Instrument Flight Rules" means the instrument flight rules set out in the AIP.
- "Light Aircraft" means an Aircraft with a Chargeable Weight of less than 5.7 tonnes.
- "Maintenance Flight" means a flight for the sole purpose of performing maintenance for the Aircraft, with no fee-paying passengers aboard the Aircraft.
- "NOTAM" means a notice to airmen issued either by Us or by CASA.
- "Operational Missed Approach" is where an approach cannot be continued to a

successful landing.

- "Operator" means, in relation to an Aircraft, the person:
- (a) flying or using the Aircraft; or
- (b) causing or permitting the Aircraft to be flown, be used or be in any place, whether or not the person is present with the Aircraft or the owner or the hirer.
- "Penalty" means the late payment penalty calculated in accordance with paragraph 9.3 of this Determination that a User is liable to pay Airservices (in addition to the Charge) if the User does not pay the Charge by the due date for payment.
- "Practice Instrument Approach" is an instrument approach where there is no landing intended.
- "Privacy Policy" means the privacy policy published on Airservices' website: <a href="http://www.airservicesaustralia.com/terms-copyright-privacy/">http://www.airservicesaustralia.com/terms-copyright-privacy/</a>
- "Register of Statutory Liens" means the Register maintained, and open to public inspection, as prescribed by the *Air Services Regulations 2019*.
- "Schedule" means a schedule to this Determination.

#### "Tax" means:

- (a) any tax, withholding tax, charge, rate, duty (including stamp duty and customs duty), impost, excise, tax by whatever name called and whether Australian, foreign, state, municipal, provincial, county, or local; and
- (b) any interest, charge, penalty, fee, fine or other amount of any kind assessed, charged, or imposed on or in respect of the above.

"Table" means a table in a Schedule.

"User" means a person who uses any Service or Facility provided by Airservices, and includes:

- (a) the owner of the Aircraft;
- (b) the Operator of the Aircraft;
- (c) the holder of the Certificate of Registration for the Aircraft;
- (d) the pilot of the Aircraft; and
- (e) any person authorised to use the Aircraft;

and the executors, administrators, successors and assigns of any of the above.

"Visual Flight Rules" means the visual flight rules set out in the AIP.

# Schedule 1: Terminal navigation Charges

#### Terminal navigation Charge formula – normal hours of operation

The **terminal navigation Charge** applicable during normal hours of operation at the relevant aerodrome is calculated as:

Rate specified in Table 1 below multiplied (x) by Chargeable Weight

where Chargeable Weight is defined in paragraph 12.2 of this Determination.

The **minimum** terminal navigation Charge for each activity at Adelaide, Brisbane, Melbourne, Perth, or Sydney aerodromes is **\$21.00**.

This minimum terminal navigation Charge has no application to helicopter operations at these aerodromes.

Table 1 – Terminal navigation

Table 1 Tellimathat	
Aerodrome	\$/tonne
Adelaide	\$12.78
Albury	\$16.36
Alice Springs	\$16.36
Archerfield	\$16.36
Avalon	\$5.79
Bankstown	\$16.36
Brisbane	\$6.64
Broome	\$16.36
Cairns	\$13.12
Camden	\$16.36
Canberra	\$12.56
Coffs Harbour	\$16.36
Darwin	\$1.86
Essendon	\$16.36
Gold Coast	\$9.14
Hamilton Island	\$10.37
Hobart	\$9.10
Jandakot	\$16.36
Karratha	\$14.71
Launceston	\$13.77
Mackay	\$12.85
Melbourne	\$5.85
Moorabbin	\$16.36
Parafield	\$16.36
Perth	\$8.13
Port Hedland	\$6.85
Rockhampton	\$14.48
Sunshine Coast	\$13.36
Sydney	\$6.04
Tamworth	\$16.36
Townsville	\$2.41

#### Terminal navigation Charge formula – outside normal hours of operation

The **terminal navigation Charge** applicable outside the normal hours of operation at the relevant aerodrome is calculated as:

The terminal navigation Charge calculated in accordance with Table 1 above plus (+) the additional amount in Table 2 below.

Table 2 - Terminal navigation

Before or After Normal Hours	Charge (\$)
Up to 15 minutes	n/a
Over 15 up to 60 minutes	\$261
Each additional hour or part hour	\$261
Recall of staff (per call out)*	\$784

<sup>\*</sup>charged in addition to Table 1 Charges (normal hours of operation) and Table 2 Charges (outside normal hours of operation) <u>only</u> where outside normal hours service requires staff to be recalled to work.

# Schedule 2: Aviation rescue and fire fighting Charges

#### Aviation rescue and fire fighting Charge formula - normal hours of operation

The **Aviation rescue and fire fighting Charge** applicable during normal hours of operation at the relevant aerodrome is calculated as:

Rate specified in Table 1 below multiplied (x) by Chargeable Weight, based on Aircraft Category.

where Aircraft Category and Chargeable Weight are defined in paragraph 12.2 of this Determination.

Table 1 - ARFF

	Aircraft categ	ory		
ARFF Location	6	7	8	9/10
Alice Springs	2.46	2.46	2.46	2.46
Avalon	2.46	2.46	2.46	2.46
Ayers Rock	2.46	2.46	2.46	2.46
Ballina	2.46	2.46	2.46	2.46
Broome	2.46	2.46	2.46	2.46
Coffs Harbour	2.46	2.46	2.46	2.46
Gladstone	2.46	2.46	2.46	2.46
Hamilton Island	2.46	13.64	13.64	13.64
Mackay	2.46	13.64	13.64	13.64
Newman	2.46	2.46	2.46	2.46
Port Hedland	2.46	2.46	2.46	2.46
Rockhampton	2.46	2.46	2.46	2.46
Sunshine Coast	2.46	7.48	7.48	7.48
Whitsunday Coast	2.46	2.46	2.46	2.46
Canberra	2.46	7.72	23.06	23.06
Hobart	2.46	8.50	8.50	8.50
Karratha	2.46	2.46	2.46	2.46
Launceston	2.46	13.64	13.64	13.64
Townsville	2.46	13.64	13.64	13.64
Adelaide	2.46	3.46	5.59	8.87
Cairns	2.46	3.91	8.13	8.13
Darwin	2.46	5.79	23.06	23.06
Gold Coast	2.46	4.02	6.85	6.85
Brisbane	2.46	2.72	3.61	6.46
Melbourne	2.46	2.67	3.19	5.09
Perth	2.46	2.98	5.14	8.87
Sydney	2.46	2.63	2.80	3.89

# <u>Aviation rescue and fire fighting Charge formula – outside normal hours of operation</u>

The Aviation rescue and fire fighting Charge applicable outside the normal hours of operation at the relevant aerodrome is calculated as:

The Aviation rescue and fire fighting Charge calculated in accordance with Table 1 above plus (+) the additional amount in Table 2 below, based on Aircraft Category.

Table 2 - ARFF

Aircraft category	Greater than 15 minutes	Recall of staff (flat rate)
Category 6 and below	\$126	\$1,507
Category 7	\$153	\$1,841
Category 8 and above	\$201	\$2,415

# Schedule 3: Enroute navigation Charges

#### Enroute navigation Charge formula – under 20 tonnes

For Aircraft with a Chargeable Weight under 20 tonnes the **enroute navigation Charge** is calculated as:

Rate specified in Table 1 below 
$$\times \frac{\text{Chargeable Distance}}{100} \times \text{Chargeable Weight}$$

where Chargeable Weight and Chargeable Distance are defined in paragraph 12.2 of this Determination.

#### **Enroute navigation Charge formula – over 20 tonnes**

For Aircraft with a Chargeable Weight of 20 tonnes or more the **enroute navigation Charge** is calculated as:

Rate specified in Table 1 below × 
$$\frac{\text{Chargeable Distance}}{100} \times \sqrt{\text{Chargeable Weight}}$$

where Chargeable Weight and Chargeable Distance are defined in paragraph 12.2 of this Determination.

Table 1 – enroute navigation

Chargeable Weight	\$
20 tonnes or more	\$4.04
Up to 20 tonnes	\$0.90

# Schedule 4: Change of Aircraft Operator

### This form is required to be completed when Aircraft operator details change.

More specifically, it relates to who is financially responsible for Airservices charges when operating in controlled airspace.

If you have any questions about the form, phone Airservices free-call number 1800 026 147 or email billing@airservicesaustralia.com

Name and details of person of	or entity transferring liability (previous operator)
Name (in full)	
Customer Account No	
Tel	
Fax	
Email	
Name and details of new per	son or entity accepting liability (new operator)
Name (in full)	
Customer Account No	
Address	
Tel	
Email	
Aircraft Details	
Registration Mark	
Make / Model	
Date of Transfer	Date: / /
Declaration	
Charging Determination.	for charges in accordance with the Airservices Australia Statutory use and release information (including personal information) in this form
Entity transferring liability	Entity accepting liability
Signature:	Signature:
Date:	Date:
Name:	Name:
Position:	Position:

Return completed forms to: billing@airservicesaustralia.com

17

# Schedule 5: Chargeable Weight

Aircraft Type	Common Description	Chargeable Weight	Aircraft Type	Common Description	Chargeable Weight				
A124	Antonov An-124 Ruslan	392.00	CL60	Canadair C-143 Challenger 604	20.34				
A310	Airbus A-310	164.00	CONI	Lockheed C-121 Constellation	58.97				
A318	Airbus A-318	59.00	CRJ2	Canadair Challenger 800	24.50				
A319	Airbus A-319	71.34	CRJX	Bombardier CI-600 Regional Jet CRJ- 1000	20.50				
A320	Airbus A-320	73.50	CVLP	Convair C-131	21.36				
A321	Airbus A-321	91.89	CVLT	Convair CV-580	24.77				
A332	Airbus A-330-200	230.41	DC10	Boeing MD-10	261.85				
A333	Airbus A-330-300	229.55	DC86	Douglas DC-8-60	158.95				
A342	Airbus A-340-200	258.40	DC87	Douglas DC-8-70	156.06				
A343	Airbus A-340-300	274.24	DH8A	De Havilland Canada CC-142 Dash 8	15.67				
A345	Airbus A-340-500	371.22	DH8B	De Havilland Canada Dash 8 (200)	16.46				
A346	Airbus A-340-600	372.32	DH8C	De Havilland Canada Dash 8 (300)	19.50				
A388	Airbus A-380-800	500.00	DH8D	De Havilland Canada Dash 8 (400)	28.15				
AT43	ATR ATR-42-300	16.15	DHC7	De Havilland Canada Dash 7	16.04				
AT45	ATR ATR-42-500	18.60	E135	Embraer Emb-135	20.00				
AT72	ATR ATR-72-200	22.80	E170	Embraer 170	37.20				
B461	British Aerospace BAE-146-100	37.76	E190	Embraer 190	51.80				
B462	British Aerospace BAE-146-200	42.18	F100	Fokker 100	43.24				
B463	British Aerospace BAE-146-300	44.23	F27	Fokker F-27 Friendship	20.80				
B703	Boeing 707-300	149.56	F28	Fokker F-28 Fellowship	30.16				
B712	Boeing 717-200	53.52	F2TH	Dassault Falcon 2000	19.00				
B721	Boeing 727-100	76.88	F50	Fokker 50	20.82				
B722	Boeing 727-200	90.15	F900	Dassault Falcon 900	20.93				
B732	Boeing 737-200	52.60	FA50	Dassault Falcon 50	18.19				
B733	Boeing 737-300	62.17	FA7X	Dassault Falcon 7X	31.69				
B734	Boeing 737-400	67.29	GALX	Gulfstream Aerospace G200	16.17				
B737	Boeing 737-700	70.04	GL5T	Bombardier Bd-700 Global 5000	42.24				
B738	Boeing 737-800	77.81	GLEX	Bombardier Bd-700 Global Express	43.51				
B742	Boeing 747-200	372.89	GLF3	Gulfstream Aerospace C-20A Gulfstream 3	31.62				
B743	Boeing 747-300	377.84	GLF4	Gulfstream Aerospace C-20F Gulfstream 4	33.30				
B744	Boeing 747-400 (International, Winglets)	398.16	GLF5	Gulfstream Aerospace G-5 Gulfstream	41.12				
B752	Boeing 757-200	112.62	H47	5 Boeing Ch-47 Chinook	23.13				
B762	Boeing 767-200	166.81	HA4T	Hawker Beechcraft 4000 Hawker 4000	17.01				
B763	Boeing 767-300	171.54	MD11	Boeing MD-11	281.77				
B772	Boeing 777-200	284.78	MD82	Mcdonneil Douglas MD-82	67.30				
B773	Boeing 777-300	293.41	MD83	Mcdonnell Douglas MD-83	72.58				
B77L	Boeing 777-200LR	344.97	MD87	Mcdonnell Douglas MD-87	67.81				
B77W	Boeing 777-300ER	349.77	P2	Lockheed L-426 Neptune	36.29				
B788	Boeing Dreamliner 787-800	227.93	RJ1H	AI(R) Avroliner (RJ-100)	44.31				
B789	Boeing Dreamliner 787-900	252.65	RJ70	AI(R) Avroliner (RJ-70)	40.82				
C130	Lockheed AC-130 Spectre	70.31	S64	Sikorsky Ch-54 Tarhe	20.48				
C750	Cessna 750 Citation 10	16.29		Aircraft or changes in Chargeable Weig					
CL30	Bombardier BD-100 Challenger 300 17.49 added or amended from time to time in accordance with paragraph 10.2 of this Determination.								

paragraph 10.2 of this Determination.

# Schedule 6: Chargeable Distance

YBTL         AGGH         1,085         YHID         AYNZ         238         YMEN         FALA         6,235           YBCS         AGGH         1,125         YBCS         AYNZ         705         YPPH         FALE         3,783           YBRIM         AGGH         1,125         YPPH         AYNZ         3,845         YPSY         FALE         6,288           YBRN         AGGH         1,215         YHID         AYPY         180         YPPH         FAOR         3,771           YBSU         AGGH         1,488         YBCS         AYPY         575         YPSDN         FAOR         6,088           YBBN         AGGH         1,520         YPGWAPY         305         YPPM         FIMP         2,295           YBCG         AGGH         1,555         YBMR         AYPY         945         YBCS         FIMP         7,465           YSCH         AGGH         1,885         YBMR         AYPY         1,745         YBRA         FIMP         7,465           YSCH         AGGH         2,351         YSSU         AYPY         1,745         YPRD         FIMP         7,975           YSSY         AGGH         2,351         YSSY<	Cit	y Pair	Distance	Cit	y Pair	Distance	City Pair		Distance
YBIM         AGGH         1,165         YPPH         AYNZ         3,845         YSSY         FALE         6,288           YBSW         AGGH         1,215         YHID         AYPY         180         YPPH         FACR         3,771           YBSW         AGGH         1,498         YBCS         AYPY         575         YSSY         FAOR         6,239           YBBN         AGGH         1,655         YBHL         AYPY         805         YPPH         FIMP         2,295           YBCG         AGGH         1,655         YBHM         AYPY         945         YBCS         FIMP         7,465           YSCH         AGGH         1,655         YBHM         AYPY         1,065         YBMS         FIMP         7,455           YSCH         AGGH         2,383         YBSU         AYPY         1,765         YBSS         FIMP         7,975           YSSY         AGGH         2,335         YBSU         AYPY         1,765         YPPC         FIDG         2,460           YSSY         AGGH         2,335         YBSU         AYPY         1,865         YPPL         FIDG         5,061           YSSY         AGGH         2,355 </th <th>YBTL</th> <th>AGGH</th> <th>1,095</th> <th>YHID</th> <th>AYNZ</th> <th>238</th> <th>YMEN</th> <th>FALA</th> <th>6,235</th>	YBTL	AGGH	1,095	YHID	AYNZ	238	YMEN	FALA	6,235
TSHK         AGGH         1,215         YHID         AYPY         180         YPPH         FAOR         3,771           YBSU         AGGH         1,498         YBCS         AYPY         575         YSSY         FAOR         6,089           YBBN         AGGH         1,620         YPGV         AYPY         810         YPPH         FIMP         2,975           YBCQ         AGGH         1,620         YPGW         AYPY         810         YPPM         FIMP         2,975           YBCQ         AGGH         1,685         YBHM         AYPY         1,055         YBEM         FIMP         7,465           YSCH         AGGH         1,388         YBIMK         AYPY         1,055         YSSSY         FIMP         5,955           YSCH         AGGH         2,335         YBBU         AYPY         1,755         YPSD         FIMP         7,975           YSSY         AGGH         2,335         YBBN         AYPY         1,860         YPXM         FIMP         7,975           YSSY         AGGH         2,345         YBCG         AYPY         1,860         YPXM         FIDG         5,061           YMEN         AGGH         2,545	YBCS	AGGH	1,125	YBCS	AYNZ	705	YPPH	FALE	3,758
YBRK         AGGH         1,215         YHID         AYPY         180         YPPH         FAOR         3,71           YBSU         AGGH         1,469         YBCS         AYPY         575         YSTA         PPDN         FAOR         6,289           YBBN         AGGH         1,675         YBTL         AYPY         810         YPPM         FIMP         2,975           YBGG         AGGH         1,686         YBHM         AYPY         945         YBCS         FIMP         7,465           YSCH         AGGH         1,588         YBMK         AYPY         1,088         YBAS         FIMP         5,965           YSCH         AGGH         2,335         YBBU         AYPY         1,745         YBBN         FIMP         7,975           YSRY         AGGH         2,335         YBBN         AYPY         1,760         YPXM         FIMP         7,975           YSSY         AGGH         2,355         YBBN         AYPY         1,805         YPXM         FJDG         3,340           YSSY         AGGH         2,561         YBNA         AYPY         1,805         YPXM         FJDG         5,050           YBEL         AYBA <td>YBHM</td> <td>AGGH</td> <td>1,165</td> <td>YPPH</td> <td>AYNZ</td> <td>3,845</td> <td>YSSY</td> <td>FALE</td> <td></td>	YBHM	AGGH	1,165	YPPH	AYNZ	3,845	YSSY	FALE	
YBSU         AGGH         1,498         YBCS         AYPY         575         YSSY         FAOR         6,638           YBBN         AGGH         1,575         YBTL         AYPY         806         YPPH         FIMP         2,975           YBGA         AGGH         1,620         YPGW         AYPY         810         YPPM         FIMP         3,280           YBCG         AGGH         1,685         YBHM         AYPY         1,065         YBAS         FIMP         7,465           YSCH         AGGH         1,885         YBMK         AYPY         1,065         YBAS         FIMP         5,955           YWLM         AGGH         2,335         YBSU         AYPY         1,701         YBBN         FIMP         7,975           YSRI         AGGH         2,355         YBSU         AYPY         1,765         YPPC         FJDG         2,460           YSSY         AGGH         2,355         YBBN         AYPY         1,815         YPPC         FJDG         3,340           YSSY         AGGH         2,355         YBRA         AYPY         1,960         YPPA         FJDG         5,050           YBBN         AGGH         2,355							YPPH	FAOR	3,771
YBBN         AGGH         1,575         YBTL         AYPY         805         YPPH         FIMP         2,975           YAMB         AGGH         1,620         YPGW         AYPY         810         YPPM         FIMP         3,280           YBCG         AGGH         1,685         YBHM         AYPY         1,055         YBSC         FIMP         7,465           YSCH         AGGH         1,885         YBMK         AYPY         1,055         YBAS         FIMP         7,465           YSCH         AGGH         1,885         YBMK         AYPY         1,055         YBAS         FIMP         7,965           YSRI         AGGH         2,335         YBSU         AYPY         1,701         YPAD         FIMP         7,945           YSSY         AGGH         2,345         YBBM         AYPY         1,755         YPCC         FJDG         2,460           YSSY         AGGH         2,345         YBBM         AYPY         1,861         YPDM         FJDG         3,340           YSSY         AGGH         2,345         YBNA         AYPY         2,563         YPPH         FLDG         5,050           YBEN         AGGH         2,3							YPDN	FAOR	6,058
YAMB         AGGH         1,620         YPGV         AYPY         810         YPXM         FIMP         3,290           YBCG         AGGH         1,685         YBMM         AYPY         945         YBCS         FIMP         7,695           YSCH         AGGH         1,685         YBMM         AYPY         1,066         YBAS         FIMP         5,955           YWLM         AGGH         2,183         YPDN         AYPY         1,745         YBBN         FIMP         7,975           YSRI         AGGH         2,335         YBBN         AYPY         1,765         YPCC         FJDG         2,460           YSSY         AGGH         2,335         YBBN         AYPY         1,785         YPCC         FJDG         3,340           YSSY         AGGH         2,345         YBNA         AYPY         1,815         YPDN         FJDG         6,315           YSEU         AGGH         2,955         YBNA         AYPY         2,563         YPPM         FJDG         5,060           YBEU         AGGH         2,955         YSRI         AYPY         2,465         YPPH         FJDG         5,081           YBBN         AGGH         1,5									
YBCG         AGGH         1,655         YBHM         AYPY         945         YBCS         FIMP         7,485           YSCH         AGGH         1,885         YBMK         AYPY         1,055         YBAS         FIMP         5,955           YVXLM         AGGH         2,193         YPDN         AYPY         1,445         YBBN         FIMP         7,976           YSRI         AGGH         2,335         YBBN         AYPY         1,755         YPCC         FIMP         7,045           YSSY         AGGH         2,335         YBBN         AYPY         1,805         YPXM         FJDG         3,340           YSSY         AGGH         2,345         YBCG         AYPY         1,815         YPDN         FJDG         6,615           YMEN         AGGH         2,545         YBCG         AYPY         1,816         YPDN         FJDG         6,016           YMEN         AGGH         2,545         YBCG         AYPY         2,462         YPPH         FJDG         6,016           YBBN         AGGH         1,585         YSRI         AYPY         2,583         YPPH         FJDG         5,060           YBTL         ANAU	YBBN	AGGH	1,575	YBTL	AYPY	805	YPPH	FIMP	
YSCH         AGGH         1,885         YBMIK         AYPY         1,055         YBAS         FIMP         5,985           YWLM         AGGH         2,193         YPDN         AYPY         1,445         YBSN         FIMP         7,975           YSRI         AGGH         2,335         YBSU         AYPY         1,701         YPAD         FIMP         7,045           YSSY         AGGH         2,335         YBNC         AYPY         1,755         YPCC         FJDG         2,460           YSSY         AGGH         2,345         YBGG         AYPY         1,815         YPDN         FJDG         6,315           YMEN         AGGH         2,955         YBNA         AYPY         1,980         YPEA         FJDG         5,080           YBUS         ALGGM         995         YWLM         AYPY         2,983         YPPH         FJDG         5,081           YBIL         ANAU         1,095         YSSY         AYPY         2,465         YPPH         FJDG         5,080           YBSY         ANAU         1,095         YSSY         AYPY         2,465         YPPH         FLIK         3,842           YBSN         ANAU <td< td=""><td>YAMB</td><td>AGGH</td><td>1,620</td><td>YPGV</td><td>AYPY</td><td>810</td><td></td><td></td><td></td></td<>	YAMB	AGGH	1,620	YPGV	AYPY	810			
YWILM   AIGH   2,183	YBCG	AGGH	1,655	YBHM	AYPY	945			
YYBUN         AYPY         1,445         YBBN         FIMP         7,975           YSRI         AGGH         2,335         YBSU         AYPY         1,701         YPAD         FIMP         7,045           YPDN         AGGH         2,815         YBBN         AYPY         1,805         YPXM         FJDG         2,460           YSSY         AGGH         2,335         YBBN         AYPY         1,815         YPDN         FJDG         5,350           YBCS         AGGH         2,985         YBNA         AYPY         1,860         YPEA         FJDG         5,061           YBDN         AGGM         1,585         YBNA         AYPY         2,342         YPPH         FJDG         5,061           YBBN         AGGM         1,585         YSSY         AYPY         2,465         YPPH         FJLK         3,842           YBBN         ANAU         1,085         YSSY         AYPY         2,465         YPPH         FJLK         3,869           YBSY         ANAU         1,157         YSCB         AYPY         2,645         YPPH         FJLK         3,869           YBSY         ANAU         2,335         YPAD         AYPY <t< td=""><td>YSCH</td><td>AGGH</td><td>1,895</td><td>YBMK</td><td>AYPY</td><td>1,055</td><td></td><td></td><td></td></t<>	YSCH	AGGH	1,895	YBMK	AYPY	1,055			
YSRI         AGGH         2,335         YBSU         AYPY         1,701         YPAD         FIMP         7,045           YPDN         AGGH         2,615         YBMC         AYPY         1,755         YPCC         FJDG         2,460           YSSY         AGGH         2,345         YBBN         AYPY         1,815         YPDN         FJDG         6,315           YMEN         AGGH         2,545         YBSA         AYPY         1,860         YPEA         FJDG         5,060           YMEN         AGGM         2,955         YBNA         AYPY         1,860         YPEA         FJDG         5,060           YBCS         AGGM         1,586         YSRI         AYPY         2,563         YPPH         FLKK         3,842           YBSN         AGGN         1,586         YSRI         AYPY         2,465         YPPH         FLKK         3,842           YBSN         ANAU         1,125         YPPD         AYPY         2,465         YPPH         FLKK         3,869           YSSY         ANAU         1,575         YSCB         AYPY         2,645         YPPH         FMEE         2,675           YSSY         ANAU <td< td=""><td>YWLM</td><td>AGGH</td><td>2,193</td><td>YPDN</td><td>AYPY</td><td>1,445</td><td></td><td></td><td></td></td<>	YWLM	AGGH	2,193	YPDN	AYPY	1,445			
YPDN         AGGH         2,615         YBMC         AYPY         1,755         YPCC         FJDG         2,460           YSSY         AGGH         2,335         YBBN         AYPY         1,805         YPXM         FJDG         3,340           YSCS         AGGH         2,545         YBCG         AYPY         1,815         YPDN         FJDG         6,831           YMEN         AGGH         2,955         YBNA         AYPY         1,960         YPPH         FJDG         5,060           YBDS         AGGM         1,585         YSRI         AYPY         2,563         YPPH         FJDG         5,060           YBBN         AGGN         1,585         YSRI         AYPY         2,563         YPPH         FLKK         3,842           YBTL         ANAU         1,095         YSSY         AYPY         2,465         YPPH         FLKK         3,842           YBBN         ANAU         1,125         YPPD         AYPY         2,465         YPPH         FLKK         3,842           YBBN         ANAU         1,575         YSCB         AYPY         2,645         YPPH         FMEE         1,762           YBBN         ANAU <td< td=""><td>VSDI</td><td>ACCH</td><td>2 335</td><td>VRSII</td><td>ΔΥΡΥ</td><td>1 701</td><td></td><td></td><td></td></td<>	VSDI	ACCH	2 335	VRSII	ΔΥΡΥ	1 701			
YSSY         AGÖH         2,335         YBBN         AYPY         1,805         YPXM         FJDG         3,340           YSCB         AGGH         2,645         YBCG         AYPY         1,815         YPDN         FJDG         5,050           YMEN         AGGH         2,955         YBNA         AYPY         1,860         YPPH         FJDG         5,050           YBBN         AGGM         965         YWLM         AYPY         2,342         YPPH         FJDG         5,050           YBBN         AGGM         1,585         YSRI         AYPY         2,342         YPPH         FJDG         6,631           YBBN         AGGN         1,585         YSRI         AYPY         2,665         YPPH         FLIKK         3,842           YBT         ANAU         1,125         YPPD         AYPY         2,665         YPPH         FLIKK         3,869           YBBN         ANAU         1,125         YPPD         AYPY         2,665         YPPH         FLIKK         3,869           YBSY         ANAU         1,575         YSCB         AYPY         2,665         YPPH         FMEE         1,655           YSSY         ANAU <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
YSCB         AGGH         2,545         YBCG         AYPY         1,815         YPDN         FJDG         6,315           YMEN         AGGH         2,955         YBNA         AYPY         1,960         YPEA         FJDG         5,050           YBCS         AJGM         985         YWLM         AYPY         2,342         YPPH         FJDG         6,831           YBBN         AGGN         1,585         YSRI         AYPY         2,563         YPPH         FJDG         6,831           YBCS         ANAU         1,095         YSSY         AYPY         2,665         YPPH         FLNC         3,842           YBEN         ANAU         1,125         YPPD         AYPY         2,665         YPPH         FLNC         3,869           YBSY         ANAU         1,575         YSC8         AYPY         2,645         YPPH         FMEE         2,975           YSSY         ANAU         2,335         YPAD         AYPY         2,645         YPPH         FMEE         2,975           YSSY         ANAU         4,555         YMEN         AYPY         2,855         YYPDN         FMEE         6,645           YPPH         ANAU						<u> </u>			
YMEN         AGGH         2,955         YBNA         AYPY         1,960         YPEA         FJDG         5,050           YBUS         AUGMM         985         YWLM         AYPY         2,342         YPPH         FJDG         5,681           YBBN         AGGN         1,585         YSRI         AYPY         2,663         YPPH         FJDG         6,831           YBTL         ANAU         1,095         YSSY         AYPY         2,465         YPPH         FLIK         3,842           YBBN         ANAU         1,175         YPCB         AYPY         2,465         YPPH         FLIK         3,842           YBBN         ANAU         1,575         YSCB         AYPY         2,465         YPPH         FLIND         3,869           YSSY         ANAU         1,575         YSCB         AYPY         2,465         YPPH         FLIND         3,869           YSSY         ANAU         1,575         YSCB         AYPY         2,965         YSSY         PMEE         1,762           YSSY         ANAU         2,330         YPAM         AYPY         2,855         YPPH         FMEE         6,015           YPPH         ANAU <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></t<>									-
YBCS         AGGM         965         YWULM         AYPY         2,342         YPPH         FJDG         6,081           YBBN         AGGN         1,585         YSRI         AYPY         2,563         YPPH         FLIK         3,842           YBTL         ANAU         1,095         YSSY         AYPY         2,465         YPPH         FLIK         3,842           YBCS         ANAU         1,125         YPPD         AYPY         2,995         YSSY         FMEE         1,762           YBBN         ANAU         1,575         YSCB         AYPY         2,645         YPPH         FMEE         2,975           YSSY         ANAU         2,335         YPAD         AYPY         2,645         YPPH         FMEE         6,615           YSSY         ANAU         2,335         YPAD         AYPY         2,865         YPPH         FMEE         6,645           YSSY         ANAU         4,555         YMEN         AYPY         2,865         YPPH         FOOL         3,886           YPDH         ANYN         1,1010         YPPH         AYPY         2,865         YPPH         FOOL         3,886           YPDN         ANYN <td< td=""><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			•						
YBBN         AGGN         1,585         YSRI         AYPY         2,563         YPPH         FLKK         3,842           YBTL         ANAU         1,085         YSSY         AYPY         2,465         YPPH         FLIK         3,842           YBCS         ANAU         1,125         YPPD         AYPY         2,995         YSSY         FMEE         1,762           YBBN         ANAU         1,575         YSCB         AYPY         2,945         YPPH         FMEE         2,975           YBSY         ANAU         1,575         YSCB         AYPY         2,645         YPPH         FMEE         2,975           YBSY         ANAU         2,335         YPAD         AYPY         2,655         YPDN         FMEE         6,045           YBMIL         ANAU         4,555         YMEN         AYPY         2,865         YYMML         FMEE         6,645           YPPH         ANAU         4,555         YMEN         AYPY         2,865         YPPH         FOOL         3,886           YPDN         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBCS         ANYN         <	YMEN	AGGH	2,955	YBNA	AYPY	1,960			
YBBN         AGGN         1,885         YSRI         AYPY         2,563         YPPH         FLKK         3,842           YBTL         ANAU         1,095         YSSY         AYPY         2,465         YPPH         FLND         3,869           YBCS         ANAU         1,125         YPPD         AYPY         2,995         YSSY         FMEE         1,762           YBSN         ANAU         1,575         YSCB         AYPY         2,645         YPPH         FMEE         2,975           YSSY         ANAU         2,335         YPAD         AYPY         2,675         YPPH         FMEE         6,015           YMML         ANAU         3,005         YMMIL         AYPY         2,855         YPPH         FMEE         6,545           YBPN         ANYN         1,010         YPPH         AYPY         2,855         YPPH         FOOL         3,886           YPDN         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBCG         ANYN         1,743         YBCS         AYTB         766         YBRM         FSIA         5,055           YSSY         ANYN	YBCS	AGGM	965	YVVLM	AYPY	2,342			
YBTL         ANAU         1,095         YSSY         AYPY         2,465         YPPH         FLND         3,869           YBCS         ANAU         1,125         YPPD         AYPY         2,995         YSSY         FMEE         1,762           YBBN         ANAU         1,575         YSCB         AYPY         2,645         YPPH         FMEE         2,975           YSSY         ANAU         2,335         YPAD         AYPY         2,675         YPDN         FMEE         6,045           YMML         ANAU         3,005         YMML         AYPY         2,855         YPDN         FMEE         6,045           YPPH         ANAU         4,555         YMEN         AYPY         2,855         YPPH         FOOL         3,886           YPDN         ANYN         1,010         YPPH         AYPY         3,765         YPCC         FQMMA         2,370           YBBN         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBCS         ANYN         1,543         YBCS         AYTB         765         YBRM         FSIA         5,745           YBCS         AYDU	YBBN	AGGN	1,585	YSRI	AYPY	2,563			
YBCS         ANAU         1,125         YPPD         AYPY         2,995         YSSY         FMEE         1,762           YBBN         ANAU         1,575         YSCB         AYPY         2,645         YPPH         FMEE         2,975           YSSY         ANAU         2,335         YPAD         AYPY         2,675         YPDN         FMEE         6,015           YMML         ANAU         3,005         YMML         AYPY         2,855         YPMM         FMEE         6,645           YPPH         ANAU         4,555         YMEN         AYPY         2,855         YPPH         FOOL         3,886           YPDN         ANYN         1,010         YPPH         AYPY         3,765         YPCC         FQMA         2,370           YBCS         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBCS         ANYN         1,595         YHID         AYTB         180         YBTL         FSIA         5,225           YSSY         ANYN         1,743         YBCS         AYTB         765         YBM         FSIA         5,225           YSSY         ANYN         2,42	YBTL	ANAU	1,095	YSSY	AYPY	2,465			
YBBN         ANAU         1,575         YSCB         AYPY         2,645         YPPH         FMEE         2,975           YSSY         ANAU         2,335         YPAD         AYPY         2,675         YPDN         FMEE         6,015           YMML         ANAU         3,005         YMML         AYPY         2,855         YMML         FMEE         6,645           YPPH         ANAU         4,555         YMEN         AYPY         2,855         YPPH         FOOL         3,886           YPDN         ANYN         1,010         YPPH         AYPY         3,765         YPCC         FQMA         2,370           YBCS         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBCS         ANYN         1,595         YHID         AYTB         180         YBTL         FSIA         6,745           YBCG         ANYN         1,743         YBCS         AYTB         765         YBRM         FSIA         5,025           YSSY         ANYN         2,428         YBCS         AYTK         700         YMML         FSIA         7,029           YBCS         AYDU         765 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
YSSY         ANAU         2,335         YPAD         AYPY         2,675         YPDN         FMEE         6,015           YMMIL         ANAU         3,005         YMMIL         AYPY         2,855         YMMIL         FMEE         6,545           YPPH         ANAU         4,555         YMEN         AYPY         2,855         YPPH         FOOL         3,888           YPDN         ANYN         1,010         YPPH         AYPY         3,765         YPCC         FQMA         2,370           YBCS         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBBN         ANYN         1,595         YHID         AYTB         180         YBTL         FSIA         6,745           YBCG         ANYN         1,743         YBCS         AYTB         765         YBRM         FSIA         5,225           YSSY         ANYN         1,743         YBCS         AYTK         579         YPPH         FSIA         5,055           YSSY         ANYU         180         YBTL         AYTK         700         YMML         FSIA         7,055           YBCS         AYDU         180 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
YMMIL         ANAU         3,005         YMMIL         AYPY         2,855         YMMIL         FMEE         6,545           YPPH         ANAU         4,555         YMEN         AYPY         2,855         YPPH         FOOL         3,886           YPDN         ANYN         1,010         YPPH         AYPY         3,765         YPCC         FQMA         2,370           YBCS         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBBN         ANYN         1,595         YHID         AYTB         180         YBTL         FSIA         6,745           YBCG         ANYN         1,743         YBCS         AYTB         765         YBRM         FSIA         5,055           YSSY         ANYN         2,428         YBCS         AYTK         700         YMML         FSIA         7,055           YBCS         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,065           YBCS         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,765           YBCS         AYGN         2,135									
YPPH         ANAU         4,555         YMEN         AYPY         2,855         YPPH         FOOL         3,886           YPDN         ANYN         1,010         YPPH         AYPY         3,765         YPCC         FQMA         2,370           YBCS         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBBN         ANYN         1,595         YHID         AYTB         180         YBTL         FSIA         6,745           YBCG         ANYN         1,743         YBCS         AYTB         765         YBRM         FSIA         5,055           YSSY         ANYN         1,743         YBCS         AYTK         575         YPPH         FSIA         5,055           YSSY         ANYN         2,428         YBCS         AYTK         575         YPPH         FSIA         5,055           YBCS         AYDU         765         YBBN         AYTK         700         YMML         FSIA         7,765           YBCS         AYDU         765         YBBN         AYTK         765         YPPH         FSSS         2,975           YBCS         AYGA         2,135						•	YMML	FMEE	
YPDN         ANYN         1,010         YPPH         AYPY         3,765         YPCC         FQMA         2,370           YBCS         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBBN         ANYN         1,595         YHID         AYTB         180         YBTL         FSIA         6,745           YBCG         ANYN         1,743         YBCS         AYTB         765         YBRM         FSIA         5,225           YSSY         ANYN         1,743         YBCS         AYTK         575         YPPH         FSIA         5,055           YSSY         ANYN         2,428         YBCS         AYTK         700         YMEN         FSIA         7,029           YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,029           YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,029           YBCS         AYDU         765         YBBN         AYTK         705         YBBN         AYTK         765         YPPH         FSSS         2,975 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>YSSY</td><td>FMMI</td><td>6,883</td></t<>							YSSY	FMMI	6,883
YBCS         ANYN         1,120         YBBN         AYTB         2,135         YPXM         FQMA         2,370           YBBN         ANYN         1,595         YHID         AYTB         180         YBTL         FSIA         6,745           YBCG         ANYN         1,743         YBCS         AYTB         765         YBRM         FSIA         5,225           YSSY         ANYN         2,428         YBCS         AYTK         575         YPPH         FSIA         5,055           YSSY         ANYN         2,428         YBCS         AYTK         700         YMML         FSIA         7,029           YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,055           YBCS         AYDU         765         YBBN         AYTK         1,548         YPCC         FSSS         2,420           YBBN         AYGA         2,135         YBCS         AYWK         765         YPPH         FSSS         2,975           YBCS         AYKT         705         YBBN         CYVR         1,509         YMAV         FYWH         5,930           YBBN         AYKT         705	YPPH								
YBBN         ANYN         1,595         YHID         AYTB         180         YBTL         FSIA         6,745           YBCG         ANYN         1,743         YBCS         AYTB         765         YBRM         FSIA         5,225           YSSY         ANYN         2,428         YBCS         AYTK         575         YPPH         FSIA         5,055           YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,029           YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,029           YBCS         AYDU         765         YBBN         AYTK         1,548         YPCC         FSSS         2,420           YBBN         AYGA         2,135         YBCS         AYWK         765         YPPH         FSSS         2,975           YBCS         AYGN         811         YPDN         CYVR         7,58         YPAD         FVHA         5,095           YBCS         AYKT         705         YBBN         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKT         1,575 <td< td=""><td>YPDN</td><td>ANYN</td><td>1,010</td><td>YPPH</td><td>AYPY</td><td>3,765</td><td>YPCC</td><td>FQMA</td><td></td></td<>	YPDN	ANYN	1,010	YPPH	AYPY	3,765	YPCC	FQMA	
YBCG         ANYN         1,743         YBCS         AYTB         765         YBRM         FSIA         5,225           YSSY         ANYN         2,428         YBCS         AYIK         5/5         YPPH         FSIA         5,055           YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,029           YBCS         AYDU         765         YBBN         AYTK         1,548         YPCC         FSSS         2,420           YBBN         AYGA         2,135         YBCS         AYWK         765         YPPH         FSSS         2,975           YBCS         AYGN         811         YPDN         CYVR         758         YPAD         FVHA         5,095           YBCS         AYKT         705         YBBN         CYVR         1,509         YMAV         FYWH         5,930           YBTL         AYKT         805         YSSY         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKT         1,575         YMML         EBBR         4,435         YPAD         HKMO         6,045           YPDN         AYKY         565 <t< td=""><td>YBCS</td><td>ANYN</td><td>1,120</td><td>YBBN</td><td>AYTB</td><td>2,135</td><td>YPXM</td><td>FQMA</td><td></td></t<>	YBCS	ANYN	1,120	YBBN	AYTB	2,135	YPXM	FQMA	
YSSY         ANYN         2,428         YBCS         AYTK         5/5         YPPH         FSIA         5,055           YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,029           YBCS         AYDU         765         YBBN         AYTK         1,548         YPCC         FSSS         2,420           YBBN         AYGA         2,135         YBCS         AYWK         765         YPPH         FSSS         2,975           YBCS         AYGN         811         YPDN         CYVR         758         YPAD         FVHA         5,095           YBCS         AYKT         705         YBBN         CYVR         758         YPAD         FVHA         5,095           YBL         AYKI         805         YSSY         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKI         1,575         YMML         EBBR         4,435         YPAD         HKMO         6,045           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         7,765           YBDN         AYLA         1,445 <td< td=""><td>YBBN</td><td>ANYN</td><td>1,595</td><td>YHID</td><td>AYTB</td><td>180</td><td></td><td></td><td></td></td<>	YBBN	ANYN	1,595	YHID	AYTB	180			
YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,029           YBCS         AYDU         765         YBBN         AYTK         1,548         YPCC         FSSS         2,420           YBBN         AYGA         2,135         YBCS         AYWK         765         YPPH         FSSS         2,975           YBCS         AYGN         811         YPDN         CYVR         758         YPAD         FVHA         5,095           YBCS         AYKT         705         YBBN         CYVR         1,509         YMAV         FYWH         5,930           YBCS         AYKT         705         YBBN         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKT         1,575         YMML         CYVR         2,363         YSSY         FYWH         6,187           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         6,045           YBDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKMO         7,765           YBDN         AYMH         1,805	YBCG	ANYN	1,743	YBCS	AYTB	765			
YHID         AYDU         180         YBTL         AYTK         700         YMML         FSIA         7,765           YBCS         AYDU         765         YBBN         AYTK         1,548         YPCC         FSSS         2,420           YBBN         AYGA         2,135         YBCS         AYWK         765         YPPH         FSSS         2,975           YBCS         AYGN         811         YPDN         CYVR         758         YPAD         FVHA         5,095           YBCS         AYKT         705         YBBN         CYVR         1,509         YMAV         FYWH         5,930           YBIL         AYKI         805         YSSY         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKI         1,575         YMML         EBBR         4,435         YPAD         HKMO         6,045           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         7,765           YPDN         AYKY         555         YSSY         EDDF         486         YPPH         HKNO         7,765           YBBN         AYAH         1,805 <t< td=""><td>YSSY</td><td>ANYN</td><td>2,428</td><td>YBCS</td><td>AYIK</td><td>5/5</td><td></td><td></td><td></td></t<>	YSSY	ANYN	2,428	YBCS	AYIK	5/5			
YBCS         AYDU         765         YBBN         AYTK         1,548         YPCC         FSSS         2,420           YBBN         AYGA         2,135         YBCS         AYWK         765         YPPH         FSSS         2,975           YBCS         AYGN         811         YPDN         CYVR         758         YPAD         FVHA         5,095           YBCS         AYKT         705         YBBN         CYVR         1,509         YMAV         FYWH         5,930           YBIL         AYKI         805         YSSY         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKI         1,575         YMML         EBBR         4,435         YPAD         HKMO         6,045           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         7,765           YPDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKMO         7,765           YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YBMK         AYMH         1,055	AHID	AYDU	180	YBTL	AYTK	700			
YBBN         AYGA         2,135         YBCS         AYWK         765         YPPH         FSSS         2,975           YBCS         AYGN         811         YPDN         CYVR         758         YPAD         FVHA         5,095           YBCS         AYKT         705         YBBN         CYVR         1,509         YMAV         FYWH         5,930           YBIL         AYKI         805         YSSY         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKI         1,575         YMML         CYVR         2,558         YAFD         HEAT         7,690           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         6,045           YPDN         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         7,765           YPDN         AYKY         555         YSSY         EDDF         486         YPPH         HKMO         7,765           YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YBMK         AYMH         1,055									
YBCS         AYGN         811         YPDN         CYVR         758         YPAD         FVHA         5,095           YBCS         AYKT         705         YBBN         CYVR         1,509         YMAV         FYWH         5,930           YBIL         AYKI         805         YSSY         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKI         1,575         YMML         CYVR         2,558         YAFD         HEAT         7,690           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         6,045           YPDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKNA         3,995           YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YBMK         AYMH         180         YPDN         EGLL         473         YBBN         KBFI         1,515           YBMK         AYMH         1,933         YSSY         FACT         6,068         YBBN         KCOS         1,213           YHID         AYML         147						<u> </u>			
YBCS         AYKT         705         YBBN         CYVR         1,509         YMAV         FYWH         5,930           YBIL         AYKI         805         YSSY         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKI         1,575         YMML         CYVR         2,558         YAFD         HEAT         7,690           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         6,045           YPDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKMO         7,765           YBBN         AYLA         1,805         YPPH         EDDF         486         YPPH         HKNA         3,995           YHID         AYMH         180         YPDN         EGLL         473         YBBN         KBFI         1,487           YCBG         AYMH         1,055         YBRM         EGPC         763         YBAS         KBFI         1,885           YHID         AYML         147         YBBN         FACT         6,068         YBBN         KCOS         1,213           YHID         AYMN         140									
YBIL         AYKI         805         YSSY         CYVR         2,363         YSSY         FYWH         6,187           YBBN         AYKT         1,575         YMML         CYVR         2,558         YAFD         HEAT         7,690           YBCS         AYKY         555         YMML         EBBR         4,435         YPAD         HKMO         6,045           YPDN         AYLA         1,445         YPDN         EDDC         3,683         YMML         HKMO         7,765           YPDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKMO         3,995           YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YHID         AYMH         180         YPDN         EGLL         473         YBBN         KBFI         1,487           YBMK         AYMH         1,055         YBRM         EGPC         763         YBAS         KBFI         1,885           YCBG         AYMH         1,933         YSSY         FACT         6,068         YBN         KCOS         1,213           YHID         AYMN         140									
YBBN         AYKT         1,575         YMML         CYVR         2,558         YAFD         HEAT         7,690           YBBN         AYKY         1,575         YMML         EBBR         4,435         YPAD         HKMO         6,045           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         7,765           YPDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKNA         3,995           YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YHID         AYMH         180         YPDN         EGLL         473         YBBN         KBFI         1,487           YBRM         AYMH         1,055         YPPH         EGLL         4,435         YPDN         KBFI         1,515           YCBG         AYMH         1,933         YSSY         FACT         6,068         YBN         KCOS         1,213           YHID         AYML         147         YBN         FACT         6,793         YSSY         KDFW         1,211           YHID         AYMN         140									
YBBN         AYKT         1,575           YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         7,765           YPDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKNA         3,995           YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YHID         AYMH         180         YPDN         EGLL         473         YBBN         KBFI         1,487           YBMK         AYMH         1,055         YPPH         EGLL         4,435         YPDN         KBFI         1,515           YCBG         AYMH         1,933         YSSY         FACT         6,068         YBN         KCOS         1,213           YHID         AYML         147         YBN         FACT         6,793         YSSY         KDFW         1,211           YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355									
YBCS         AYKY         555         YSSY         EDDC         3,683         YMML         HKMO         7,765           YPDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKNA         3,995           YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YHID         AYMH         180         YPDN         EGLL         473         YBBN         KBFI         1,487           YBMK         AYMH         1,055         YPPH         EGLL         4,435         YPDN         KBFI         1,515           YCBG         AYMH         1,933         YSSY         FACT         6,068         YBN         KCOS         1,213           YHID         AYML         147         YBN         FACT         6,793         YSSY         KDFW         1,211           YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355	YBBN	AYKT	1,575	YMMI	EBBR	4 435			
YPDN         AYLA         1,445         YPDN         EDDF         486         YPPH         HKNA         3,995           YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YHID         AYMH         180         YPDN         EGLL         473         YBBN         KBFI         1,487           YBMK         AYMH         1,055         YPPH         EGLL         4,435         YPDN         KBFI         1,515           YCBG         AYMH         1,933         YSSY         FACT         6,068         YBN         KCOS         1,213           YHID         AYML         147         YBN         FACT         6,793         YSSY         KDFW         1,211           YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355	YBCS	AYKY	555				YMML	HKMO	7,765
YBBN         AYLA         1,805         YPPH         EDDF         4,493         YSSY         KAMA         1,105           YHID         AYMH         180         YPDN         EGLL         473         YBBN         KBFI         1,487           YBMK         AYMH         1,055         YPPH         EGLL         4,435         YPDN         KBFI         1,515           YCBG         AYMH         1,933         YBRM         EGPC         763         YBAS         KBFI         1,885           YCBG         AYMH         1,933         YSSY         FACT         6,068         YBN         KCOS         1,213           YHID         AYML         147         YBN         FACT         6,793         YSSY         KDFW         1,211           YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355	YPDN	AYLA	1,445				YPPH	HKNA	3,995
YEBMIK         AYMH         1,055         YPPH         EGLL         4,435         YPDN         KBFI         1,515           YCBG         AYMH         1,933         YBRM         EGPC         763         YBAS         KBFI         1,885           YHID         AYML         147         YBBN         FACT         6,068         YBBN         KCOS         1,213           YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355	YBBN			YPPH	EDDF	4,493	YSSY	KAMA	1,105
YBMK         AYMH         1,055         YPPH         EGLL         4,435         YPDN         KBFI         1,515           YCBG         AYMH         1,933         YBRM         EGPC         763         YBAS         KBFI         1,885           YSSY         FACT         6,068         YBN         KCOS         1,213           YHID         AYML         147         YBN         FACT         6,793         YSSY         KDFW         1,211           YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355	YHID	AYMH	180	YPDN	EGLL	473	YBBN	KBFI	1,487
YCBG         AYMH         1,933         YBRM         EGPC         763         YBAS         KBFI         1,885           YHID         AYML         147         YBN         FACT         6,068         YBN         KCOS         1,213           YHID         AYMN         140         YBN         FACT         6,793         YSSY         KDFW         1,211           YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355				YPPH		4,435			
YSSY         FACT         6,068         YBBN         RCOS         1,213           YHID         AYML         147         YBBN         FACT         6,793         YSSY         KDFW         1,211           YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355				YBRM	EGPC	763			
YHID         AYMN         140         YPPH         FAGG         4,395         YSSY         KEGE         1,355				YSSY	FACT	6,068	_		
·	YHID	AYML			FACT	6,793			
YPAD FAJS 6,045 YBCS KGNG 985	YHID	AYMN	140						
				YPAD	FAJS	6,045	YBCS	KGNG	985

City	Pair	Distance	City Pair		Distance	City Pair		Distance
YBBN	KLAX	985	YBAS	NFFN	2,965	YPAD	NVSS	2,825
YBCG	KLAX	1,143	YMAV	NFFN	1,770	YBSU	NVVV	1,179
YPDN	KLAX	2,615	YMML	NFFN	1,935	YBBN	NVVV	1,185
YSSY	KLAX	1,295	YMEN	NFFN	1,935	YAMB	NVVV	1,249
YMHB	KLAX	1,725	YPAD	NFFN	2,395	YBRK	NVVV	1,305
YMML	KLAX	1,725	YPPH	NFFN	4,685	YSCH	NVVV	1,405
YMEN	KLAX	1,941	YBSU	NFNA	1,042	YBCS	NVVV	1,835
YPAD	KLAX	2,740	YBBN	NFNA	1,085	YPDN	NVVV	3,495
YBCG	KOAK	1,220	YBCG	NFNA	1,085	YSSY	NVVV	1,295
YMML	KOKC	1,804	YBHM	NFNA	1,465	YSRI	NVVV	1,660
YSSY	KONO	2,495	YPDN	NFNA	3,555	YSCB	NVVV	1,877
YMML	KONO	2,965	YSSY	NFNA	1,295	YPAD	NVVV	2,211
YSSY	KONT	1,295	YSCB	NFNA	1,295	YMHB	NVVV	2,366
YMML	KONT	1,725	YMEN	NFNA	1,595	YMEN	NVVV	1,845
YSSY	KORD	1,321	YBBN	NFTF	1,085	YBCG	NVVV	1,835
YMAV	KPAE	3,005	YBCG	NFTF	1,085	YPPH	NVVV	4,685
YSSY	KPDX	1,515	YSSY	NFTF	1,305	YBBN	NWWM	1,025
YSSY	KSEA	1,515	YPAD	NFTF	2,350	YBCG	NWWM	1,085
YBCS	KSEA	1,125	YBHI	NFTF	1,420	YSSY	NWWM	1,475
YBTL	KSFO	1,095	YSSY	NGFU	1,518	YBSU	NWWW	1,066
YBCS	KSFO	1,125	YBBN	NGFU	1,085	YBBN	NWWW	1,085
YBCG	KSFO	1,220	YPDN	NGTA	1,445	YBCG	NWWW	1,085
YSSY	KSFO	1,295	YBBN	NGTA	1,578	YAMB	NWWW	1,130
YSSY	KSJC	1,417	YBBN	NSAP	1,085	YSCH	NWWW	1,235
YMML	KSJC	2,075	YSSY	NSAP	1,305	YBHM	NWWW	1,515
YSSY	KTUS	1,264	YMML	NSAP	1,935	YBCS	NWWW	1,875
YSSY	KVCV	1,187	YSCH	NSFA	955	YPDN	NWWW	3,555
YMML	KVCV	1,953	YBBN	NSFA	1,085	YSSY	NWWW	1,475
YBTL	KVNY	1,073	YBCG	NSFA	1,095	YSCB	NWWW	1,755
YWLM	KVNY	1,282	YBCS	NSFA	1,875	YMHB	NWWW	2,165
YSSY	KVNY	1,338	YSSY	NSFA	1,305	YMEN	NWWW	2,185
YMML.	KVNY	1,956	YMEN	NSFA	2,029	YMML	NWWW	2,185
YPPH	LFBO	4,445	YMML	NSFA	1,935	YPAD	NWWW	2,595
YPDN	LFPG	485	YPAD	NSFA	2,456	YPPH	NWWW	4,695
YPPH	LFPG	4,615	YLHI	NSTU	390	YLHI	NZAA	400
YPDN	LTFM	542	YWLM	NSTU	578	YSCH	NZAA	975
YSSY	MMMD	1,105	YBBN	NSTU	1,085	YBCG	NZAA	1,055
YMML	NCRG	1,715	YBCG	NSTU	1,085	YAMB	NZAA	1,100
YLHI	NFFN	470	YSCH	NSTU	1,085	YWLM	NZAA	1,105
YBSU	NFFN	1,054	YSSY	NSTU	1,305	YBSU	NZAA	1,139
YBMC	NFFN	1,055	YSRI	NSTU	1,258	YBBN	NZAA	1,145
YBBN	NFFN	1,085	YCBG	NSTU	1,300	YBHM	NZAA	1,855
YBCG	NFFN	1,085	YSCB	NSTU	1,535	YBCS	NZAA	2,405
YWLM	NFFN	1,085	YMEN	NSTU	1,785	YPDN	NZAA	3,985
YAMB	NFFN	1,099	YMML	NSTU	1,935	YSSY	NZAA	1,105
YSCH	NFFN	1,235	YPED	NSTU	2,426	YSRI	NZAA	1,140
YBHM	NFFN	1,715	YBCS	NTAA	1,835	YMHB	NZAA	1,295
YBCS	NFFN	1,835	YBBN	NTAA	2,265	YMLT	NZAA	1,295
YPDN	NFFN	2,615	YPDN	NTAA	3,555	YSCB	NZAA	1,255
YSSY	NFFN	1,295	YSSY	NTAA	1,095	YMAY	NZAA	1,255
YSRI	NFFN	1,330	YSCB	NTAA	1,285	YMEN	NZAA	1,595
YSNW	NFFN	1,630	YMEN	NTAA	1,595	YMML	NZAA	1,595
YSCB	NFFN	1,535	YMML	NTAA	1,595	YSBK	NZAA	1,105

City	y Pair	Distance City Pair	y Pair	Distance	City	Distance		
YPAD	NZAA	2,205	YMHB	NZQN	1,255	YPDN	OMDW	592
YPPH	NZAA	4,315	YSCB	NZQN	1,355	YBBN	OMDW	3,888
YPPD	NZAA	4,641	YMEN	NZQN	1,635	YPCC	OMDW	1,644
YPLM	NZAA	4,930	YMML	NZQN	1,635	YPPD	OMDW	2,190
YLHI	NZAP	400	YPAD	NZQN	2,392	YPPH	OMDW	4,823
YMML	NZAP	1,595	YMHB	NZTB	3,555	YSSY	OMDW	5,046
YLHI	NZCH	570	YLHI	NZTU	510	YMML	OMDW	6,976
YBCG	NZCH	1,255	YBBN	NZTU	1,315	YPDN	OMSJ	625
YWLM	NZCH	1,295	YMML	NZTU	1,635	YPEA	OMSJ	5,050
YBBN	NZCH	1,315	YPAD	NZWB	2,245	YBBN	OOMS	3,899
YSCH	NZCH	1,355	YBBN	NZWB	1,435	YBAS	OOMS	2,554
YBSU	NZCH	1,443	YBBN	NZWN	1,215	YPCC	OOMS	1,800
YBHM	NZCH	2,225	YBCG	NZWN	1,255	YMML	OOMS	6,911
YBCS	NZCH	2,495	YBSU	NZWN	1,287	YPDN	OPIS	529
YSSY	NZCH	1,295	YPDN	NZWN	4,065	YSSY	OPIS	3,732
YSRI	NZCH	1,140	YSBK	NZWN	1,185	YMML	OPIS	4,062
YMHB	NZCH	1,255	YSSY	NZWN	1,185	YBBN	OPKC	3,435
YMML	NZCH	1,635	YSCB	NZWN	1,295	YPEA	OPKC	4,430
YMEN	NZCH	1,645	YMLT	NZWN	1,365	YBCS	OTBD	2,265
YPAD	NZCH	2,235	YWYY	NZWN	1,451	YPPH	OTBD	4,961
YPPH	NZCH	4,265	YMEN	NZWN	1,595	YPDN	OTHH	595
YBBN	NZDN	1,585	YMML	NZWN	1,595	YBBN	OTHH	3,989
YSSY	NZDN	1,295	YPAD	NZWN	2,395	YPPH	OTHH	4,961
YMHB	NZDN	1,255	YPPH	NZWN	4,275	YSSY	OTHH	6,750
YMEN	NZDN	1,745	YPPD	NZWN	4,705	YPAD	OTHH	6,771
YSCH	NZDN	1,155	YBBN	NZWP	1,145	YMML	OTHH	6,845
YBAS	NZDN	3,465	YPDN	NZWP	3,962	YBBN	PAFA	1,587
YBMC	NZHN	1,185	YSSY	NZWP	1,105	YSSY	PAFA	2,371
YPDN	NZHN	3,985	YSCH	NZWR	975	YBBN	PANC	1,611
YSSY	NZHN	1,105	YLHI	NZWR	400	YSSY	PANC	2,406
YLHI	NZKK	392	YPDN	OBBI	591	YMML	PANC	2,894
YLHI	NZKT	400	YPPD	OBBI	2,753	YBBN	PGSN	1,805
YSSY	NZKT	1,105	YSSY	OEJN	8,341	YBCS	PGUA	555
YMEN	NZNP	1,595	YBBN	OERK	3,435	YBTL	PGUA	805
YMML	NZNP	1,585	YSSY	OERK	7,255	YBRK	PGUA	1,295
YLHI	NZNP	1,260	YPPH	OJAI	5,175	YPDN	PGUA	1,435
YBBN	NZNR	1,215	YPCC	OMAA	1,500	YAMB	PGUA	1,763
YSSY	NZNR	1,115	YMML	OMAA	5,839	YBBN	PGUA	1,805
YMEN	NZNR	1,595	YWLM	OMAA	7,285	YWLM	PGUA	2,405
YPPH	NZNR	4,281	YSSY	OMAA	6,561	YSSY	PGUA	2,452
YBBN	NZNS	1,215	YSSY	OMAD	5,770	YPPH	PGUA	3,705
YBSU	NZNS	1,320	YPPD	OMDB	2,004	YBCS	PGUM	555
YBCS	NZNS	1,875	YBBN	OMDB	3,825	YPDN	PGUM	635
YPAD	NZNS	2,395	YPDN	OMDB	590	YBRK	PGUM	1,275
YSSY	NZNV	1,295	YBRM	OMDB	1,280	YAMB	PGUM	1,764
YMLT	NZNV	1,345	YPCC	OMDB	1,800	YBBN	PGUM	1,805
YBCS	NZPM	2,445	YSRI	OMDB	4,190	YBCG	PGUM	1,829
YMEN	NZPM	1,595	YPPH	OMDB	5,065	YSSY	PGUM	2,465
YPAD	NZPM	2,395	YSSY	OMDB	7,455	YPPD	PGUM	1,593
YBCG	NZQN	1,295	YMML	OMDB	7,725	YPED	PGUM	2,847
YBBN	NZQN	1,585	YPDN	OMDM	591	YPAD	PGUM	2,895
YBHM	NZQN	2,495	YSSY	OMDM	5,026	YMML	PGUM	2,865
YSSY	NZQN	1,295	YPPH	OMDM	4,814	YMEN	PGUM	2,865
	IATOMA	1,250			7,017			

City	Pair	Distance	City Pair		Distance	City Pair		Distance
YPPH	PGUM	2,725	YBBN	PTRO	2,339	YMML	RJFT	2,855
YPDN	PHIK	883	YSSY	PTRO	3,095	YPPH	RJFT	2,263
YAMB	PHIK	1,426	YHID	PTRO	180	YPDN	RJGG	505
YSSY	PHIK	1,475	YPCC	PTRO	650	YBBN	RJGG	1,824
YWLM	PHIK	1,521	YBCS	PTYA	800	YSSY	RJGG	2,515
YBCS	PHKO	1,125	YBBN	PTYA	1,843	YBBN	RJNK	1,805
YBCG	PHKO	1,215	YBBN	RCKH	2,135	YSSY	RJNK	2,465
YBBN	PHKO	1,355	YSSY	RCKH	3,455	YPDN	RJNN	445
YWLM	PHKO	1,457	YMEN	RCKH	3,585	YBCS	RJNN	555
YSSY	PHKO	1,475	YPDN	RCMQ	448	YBTL	RJNN	1,045
YMEN	PHKO	2,300	YPDN	RCNN	445	YBBN	RJNN	1,805
YMML	PHKO	2,340	YPDN	RCSS	448	YSSY	RJNN	2,465
YPAD	PHKO	3,005	YSSY	RCSS	3,146	YMML	RJNN	2,855
YBBN	PHLI	1,355	YBBN	RCTP	2,135	YMEN	RJNN	2,865
YBCG	PHLI	1,356	YBCG	RCTP	2,422	YPAD	RJNN	2,895
YSCB	PHLI	2,055	YWLM	RCTP	2,969	YPPH	RJNN	2,215
YSSY	PHLI	1,643	YSSY	RCTP	3,575	YBCS	RJOA	555
YBMC	PHNG	1,505	YMML	RCTP	3,575	YSSY	RJOA	2,465
YPDN	PHNL	880	YPAD	RCTP	3,065	YMML	RJOA	2,855
YBCS	PHNL	1,125	YMEN	RCTP	3,585	YBCS	RJOB	545
YBCG	PHNL	1,225	YPDN	RJAA	445	YBBN	RJOB	1,805
YBBN	PHNL	1,355	YBCS	RJAA	555	YSSY	RJOB	2,465
YSRI	PHNL	1,475	YBRM	RJAA	670	YPDN	RJOI	505
YBMC	PHNL	1,505	YBHM	RJAA	955	YBCS	RJOO	555
YAMB	PHNL	1,580	YBBN	RJAA	1,805	YBRK	RJOO	1,315
YWLM	PHNL	1,763	YSSY	RJAA	2,465	YSSY	RJ00	2,465
YMEN	PHNL	2,300	YPLM	RJAA	1,370	YMML	RJ00	2,865
YMML	PHNL	2,338	YMML	RJAA	2,855	YBBN	RJOS	1,805
YSSY	PHNL	1,475	YPAD	RJAA	2,895	YSSY	RJOS	2,465
YSCB	PHNL	2,055	YPPH	RJAA	2,215	YBBN	RJSF	1,805
YPED	PHNL	3,082	YPKG	RJAA	2,495	YSSY	RJSF	2,465
YPAD	PHNL	3,098	YBCS	RJBB	555	YBCS	RJSK	555
YPPH	PHNL	4,475	YBRK	RJBB	1,395	YBRK	RJSK	1,395
YBBN	PHOG	1,205	YSSY	RJBB	2,465	YBBN	RJSK	1,805
YBCG	PHOG	1,291	YPPD	RJBB	965	YSSY	RJSK	2,465
YSSY	PHOG	1,475	YMML	RJBB	2,865	YPDN	RJSM	498
YMEN	PHOG	2,300	YBBN	RJCB	1,735	YBBN	RJSN	1,805
YPAD	PHOG	3,098	YSSY	RJCB	2,465	YSSY	RJSN	2,465
YBHM	PKMJ	995	YSSY	RJCC	2,465	YSSY	RJSS	2,465
YBTL	PKMJ	1,095	YMML	RJCC	2,855	YMML	RJSS	2,855
YBCS	PKMJ	1,125	YBTL	RJFF	1,045	YPPH	RJSS	2,215
YBBN	PKMJ	1,595	YBRK	RJFF	1,395	YPDN	RJTT	505
YBCG	PKMJ	1,655	YPDN	RJFK	445	YBCS	RJTT	555
YBWW	PKMJ	1,731	YBCS	RJFK	555	YBBN	RJTT	1,805
YPDN	PKMJ	2,850	YSSY	RJFK	2,465	YSSY	RJTT	2,465
YSCH	PKMJ	1,665	YBBN	RJFM	1,805	YSCB	RJTT	2,705
YSSY	PKMJ	2,325	YSSY	RJFM	2,465	YPWR	RJTT	2,494
YMML	PKMJ	1,935	YBBN	RJFO	1,805	YMML	RJTT	2,855
YSCB	PKWA	2,562	YSSY	RJFO	2,465	YMAV	RJTT	2,860
YBBN	PTPN	1,595	YSSY	RJFR	2,774	YPAD	RJTT	2,825
YPDN	PTRO	635	YBCS	RJFT	555	YPPH	RJTT	2,332
YBCS	PTRO	1,215	YBBN	RJFT	1,805	YPDN	RJTY	505
YBCG	PTRO	2,339	YSSY	RJFT	2,465	YSSY	RKNY	2,842

YBES         RKPC         555         YPDN         RPVII         449         YMEN         VCRI         6,834           YBBN         RKPK         1,816         YPDN         RPVM         2,595         YPDN         VOPP         530           YMML         RKPK         2,885         YBBN         RPVM         2,595         YPDN         VOPP         2,345           YPDN         RKSI         445         YPPN         RPVM         3,465         YBTU         VOPP         3,265           YBEN         RKSI         915         YPDN         RPVP         460         YSSY         VDPP         3,655           YBEN         RKSI         2,365         YBEN         SAEZ         9,994         YMEN         VDPP         3,665           YSSY         RKSI         2,685         YMEN         SAWH         4,822         YPPH         VDPP         2,287           YSSY         RKSI         2,231         YSSY         SCEL         1,450         YMEN         VOPP         2,287           YSSY         RKSM         2,281         YSSY         RKSS         2,281         YSSY         RKSS         3,286           YSSY         RKSS         2,281	City	y Pair	Distance	City	Pair	Distance	City	Pair	Distance
YSSY   RKPK   2,866   YSBN   RPVM   2,585   YSBN   VOPP   330	YBCS	RKPC	555	YPDN	RPVI	449	YMEN	VCRI	6,834
YMML         RKPK         2,142         YSSY         RPVM         3,455         YBTL         VDPP         2,346           YPDN         RKSI         445         YPPH         RPVM         2,215         YBBN         VDPP         3,626           YBSN         RKSI         915         YPDN         RPVP         460         YSSY         YDPP         3,635           YBSN         RKSI         2,305         YBBN         SAEZ         1,799         YMMIL         VOPP         3,691           YMEN         RKSI         2,855         YMEN         SAUH         4,825         YPPH         VDPP         3,691           YMEN         RKSI         3,165         YBBN         SCEL         1,460         YMEN         VDSV         3,476           YPPH         YKRSI         2,231         YSSY         SCEL         1,460         YMEN         VDSV         3,288           YSSY         RKSI         2,231         YSSY         SSE         1,603         3,288           YSSY         RKSI         2,231         YSSY         SSE         1,603         3,890           YSSY         RKSI         2,231         YSSY         TSBB         1,160         YBB	YBBN	RKPK	1,816	YPDN	RPVM	445	YSSY	VCRI	7,030
YPDN         RKSI         445         YPPH         RPVM         2,215         YBBN         VDPP         3,328           YBES         RKSI         2,305         YBBN         RSEZ         1,799         460         YSSY         VDPP         3,865           YBBN         RKSI         2,205         YBBN         SAWH         4,825         YPMML         VDPP         3,865           YMML         RKSI         2,875         YPDN         SAEZ         6,994         YMEN         VDPP         3,865           YMEN         RKSI         2,365         YMEN         SAWH         4,825         YPPH         VDPP         2,287           YMEN         RKSI         3,165         YBBN         SCEL         1,460         YMEN         VDPP         2,287           YPEPH         RKSI         2,231         YSSY         SCEL         1,623         YBBN         VGHS         3,288           YSSY         RKSI         2,231         YSSY         TBPB         1,180         YAMB         VGHS         3,280           YSSY         RKSS         2,322         YPDN         LJAAA         482         YPAD         VGHS         3,80           YBCS         RO	YSSY	RKPK	2,856	YBBN	RPVM	2,595	YPDN	VDPP	530
YBCS         RKSI         915         YPDN         RPVP         460         YSSY         VDPP         3,885           YBBN         RKSI         2,305         YBBN         SAEZ         1,799         YMML         VOPP         3,981           YSSY         RKSI         2,875         YPDN         SAEZ         6,994         YMEN         VOPP         3,985           YMML         RKSI         2,885         YMEN         SAWH         4,825         YPPH         VDPP         2,287           YMEN         RKSI         3,165         YBBN         SCEL         1,460         YMEN         VOSV         3,478           YSSY         RKSI         2,231         YSSY         SCEL         1,462         YMEN         VGHS         3,220           YSSY         RKSS         2,881         YBBN         TLPL         997         YAMB         VGHS         3,280           YSSY         RKSS         3,322         YPDN         LUAAA         422         YPAD         VGHS         3,817           YBCS         RKTH         1,805         YPDN         LUAAA         2,215         YMMU         VGHS         3,880           YBCS         RODN         4,465	YMML	RKPK	2,142	YSSY	RPVM	3,455	YBTL	VDPP	2,345
YEBN         RKSI         2,305         YBBN         SAEZ         1,799         YMML         VDPP         3,891           Y8SY         RKSI         2,875         YPDN         SAEZ         6,994         YMEN         VDPP         3,891           YMEN         RKSI         2,885         YMEN         SAWH         4,825         YPPH         VDPP         3,891           YMEN         RKSI         3,165         YBBN         SCEL         1,480         YMEN         VOSV         3,476           YPPH         RKSI         2,231         YSSY         SCEL         1,480         YMBN         VGHS         3,280           YSSY         RKSS         2,281         YBBN         TLPL         997         YSSY         VGHS         3,271           YMEN         RKSS         2,381         YBBN         LPL         997         YSSY         VGHS         3,317           YMES         RKTN         975         YPPH         UBAA         2,215         YMAU         VGHS         3,317           YBCS         RKCN         975         YPPH         UBAA         2,215         YMAU         VGHS         3,317           YBBN         RODH         1,605 <td>YPDN</td> <td>RKSI</td> <td>445</td> <td>YPPH</td> <td>RPVM</td> <td>2,215</td> <td>YBBN</td> <td>VDPP</td> <td>3,326</td>	YPDN	RKSI	445	YPPH	RPVM	2,215	YBBN	VDPP	3,326
YSSY	YBCS	RKSI	915	YPDN	RPVP	460	YSSY	VDPP	3,655
YMML         RKSI         2,885         YMEN         SAWH         4,825         YPPH         VDPP         2,287           YMEN         RKSI         3,165         YBBN         SCEL         1,460         YMEN         VOSV         3,478           YPPH         RKSI         2,231         YSSY         SCEL         1,460         YMBN         VGHS         3,290           YSSY         RKSI         2,231         YSSY         TBPB         1,180         YAMB         VGHS         3,290           YSSY         RKSS         2,861         YBBN         TLPL         997         YSSY         VGHS         3,217           YMEC         RKITN         975         YPPH         UAAA         42215         YMAV         VGHS         3,317           YBES         ROAH         765         YPPH         UBBB         4,273         YPPN         VGZR         3,880           YPBN         ROAH         1,805         YPDN         UHHH         505         YPDN         VHHH         2,915         YMML         VGZR         3,880           YBEN         RODN         445         YMEN         UHHH         505         YPDN         UHHH         505         YPDN <td>YBBN</td> <td>RKSI</td> <td>2,305</td> <td>YBBN</td> <td>SAEZ</td> <td>1,799</td> <td>YMML</td> <td>VDPP</td> <td>3,691</td>	YBBN	RKSI	2,305	YBBN	SAEZ	1,799	YMML	VDPP	3,691
YMEN         RKSI         3,165         YBBN         SCEL         1,450         YMEN         VDSV         3,476           YPPH         RKSI         2,231         YSSY         SCEL         1,623         YBBN         VOHS         3,280           YSSY         RKSS         2,861         YBBN         TLPL         997         YSSY         VGHS         3,711           YMEN         RKSS         3,322         YPDN         UAAA         422         YPAD         VGHS         3,711           YBCS         RKTN         975         YPPH         UAAA         42215         YMAW         VGHS         3,860           YBCS         ROAH         765         YPPH         UBBB         4,273         YPDN         VGZR         508           YBCS         ROAH         1,805         YPDN         UHHH         2,815         YPDN         VGZR         3,860           YBCS         RODN         445         YMEN         UHHH         2,815         YPDN         VHHH         4,45           YBCS         RODN         1,835         YPPA         UHWW         1,776         YPCD         VHHH         4,281           YBBN         RODN         1,183	YSSY	RKSI	2,875	YPDN	SAEZ	6,994	YMEN	VDPP	3,695
YPPH         RKSI         2,231         YSSY         SCEL         1,823         YBBN         VGHS         3,280           YSSY         RKSM         2,711         YSSY         TBPB         1,180         YAMB         VGHS         3,281           YSSY         RKSS         2,881         YBBN         TLPL         997         YSSY         VGHS         3,711           YMEN         RKSS         3,322         YPDN         UAAA         482         YPAD         VGHS         3,317           YBCS         RKTN         975         YPPH         UAAA         2,215         YMAW         VGHS         3,880           YBCS         ROAH         785         YPPH         UBBB         4,273         YPDN         VGZR         3,380           YBCS         RODN         446         YMEN         UHHHH         2,815         YMMB         VGZR         3,380           YBSC         RODN         1,183         YBWW         UHWW         1,776         YBCS         VHHH         1,485           YBBN         RODN         1,183         YBWW         UHWW         2,780         YBTL         VHHH         1,485           YSSY         RODN         1,183 <td>YMML</td> <td>RKSI</td> <td>2,865</td> <td>YMEN</td> <td>SAWH</td> <td>4,825</td> <td>YPPH</td> <td>VDPP</td> <td>2,287</td>	YMML	RKSI	2,865	YMEN	SAWH	4,825	YPPH	VDPP	2,287
YSSY         RKSM         2,711         YSSY         TBPB         1,180         YAMB         VOHS         3,285           YSSY         RKSS         2,881         YBBN         TLPL         997         YSSY         VOHS         3,717           YMEN         RKSS         3,322         YPDN         LJAAA         482         YPAD         VOHS         3,880           YBCS         RKTN         976         YPPH         LJAAA         4221         YPAD         VGLR         3,880           YBCS         ROAH         765         YPPH         LJBBB         4,273         YPDN         VGZR         505           YBBN         ROAH         1,865         YPPH         LJBBB         4,273         YPDN         VGZR         3,860           YBDN         RODN         445         YMEN         UHHH         2,915         YMMB         VGZR         3,860           YBTL         RODN         1,865         YPDN         UHHW         2,760         YPDN         VHHH         445           YBBN         RODN         1,962         YPPH         UHWW         2,780         YBTL         VHHH         1,485           YBMBN         RODN         1,952 <td>YMEN</td> <td>RKSI</td> <td>3,165</td> <td>YBBN</td> <td>SCEL</td> <td>1,450</td> <td>YMEN</td> <td>VDSV</td> <td>3,476</td>	YMEN	RKSI	3,165	YBBN	SCEL	1,450	YMEN	VDSV	3,476
YSSY         RKSS         2,861         YBBN         TLPL         997         YSSY         VGHS         3,711           YMEN         RKSS         3,322         YPDN         UAAA         482         YPAD         VGHS         3,317           YBCS         RKTN         975         YPPH         UAAA         2,215         YMAW         VGHS         3,880           YBCS         ROAH         1,805         YPPH         UBBB         4,273         YPDN         VGZR         3,880           YBDN         ROAH         1,805         YPDN         UHHH         505         YAMB         VGZR         3,880           YBCS         RODN         445         YMEN         UHHH         2,815         YMML         VGZR         3,880           YBT         RODN         1,885         YPDN         UHWW         2,780         YBCS         VHHH         1,227           YBBN         RODN         1,895         YPPA         UHWW         2,815         YBBN         VHHH         2,695           YSSY         RODN         2,515         YPDN         UIBB         445         YBCG         VHHH         2,695           YSSY         RODN         2,515	YPPH	RKSI	2,231	YSSY	SCEL	1,623	YBBN	VGHS	3,290
YMEN         RKSS         3,322         YPDN         UAAA         482         YPAD         VGHS         3,317           YBCS         RKTN         975         YPPH         UAAA         2,215         YMAV         VGHS         3,880           YBCS         ROAH         765         YPPH         UBBB         4,273         YPDN         VGZR         3,860           YBDN         ROAH         1,805         YPDN         UHHH         2,915         YMML         VGZR         3,880           YBCS         RODN         445         YMEN         UHHH         2,915         YMML         VGZR         3,885           YBCS         RODN         445         YMEN         UHWW         505         YPDN         VHHH         445           YBTL         RODN         1,895         YPPA         UHWW         2,780         YBTL         VHHH         1,225           YBBN         RODN         1,982         YPPH         UHWW         2,780         YBTL         VHHH         1,259           YSSY         RODN         2,515         YPDN         UINIT         445         YBGG         VHHH         2,595           YSSY         RODN         2,915	YSSY	RKSM	2,711	YSSY	TBPB	1,180	YAMB	VGHS	3,296
YBCS         RKTN         975         YPPH         UAAA         2,215         YMAV         VGHS         3,880           YBCS         ROAH         765         YPPH         UBBB         4,273         YPDN         VGZR         505           YBBN         ROAH         1,805         YPDN         UHHH         505         YAMB         VGZR         3,860           YPDN         RODN         445         YMEN         UHHH         2,815         YMML         VGZR         3,885           YBSN         RODN         1,885         YPDN         UHWW         505         YPDN         VHHH         445           YBBN         RODN         1,805         YPEW         UHWW         2,780         YBTL         VHHH         1,485           YBMR         RODN         1,992         YPPH         UHWW         2,815         YBBN         VHHH         2,595           YSSY         RODN         2,515         YPDN         UIBB         446         YBGQ         VHHH         2,595           YSSY         RODN         2,515         YPDN         UINT         445         YBGW         VHHH         2,769           YBCS         RPLC         1,265	YSSY	RKSS	2,861	YBBN	TLPL	997	YSSY	VGHS	3,711
YBCS         ROAH         765         YPPH         UBBB         4,273         YPDN         VGZR         505           YBBN         ROAH         1,805         YPDN         UHHH         505         YAMB         VGZR         3,860           YPDN         RODN         445         YMEN         UHHHH         2,815         YMM         VGZR         3,865           YBCS         RODN         485         YPEN         UHHWW         505         YPDN         VHHH         445           YBTL         RODN         1,183         YBWW         UHWW         2,780         YBTL         VHHH         1,285           YBMB         RODN         1,992         YPPH         UHWW         2,780         YBTL         VHHH         2,695           YSSY         RODN         1,992         YPPH         UHWW         2,816         YBBN         VHHH         2,695           YSSY         RODN         2,515         YPDN         UIBB         446         YBCW         VHHH         2,695           YSSY         RODN         1,1762         YPDN         UIBB         446         YBWW         VHHH         2,799           YPDN         RPLC         4,50	YMEN	RKSS	3,322	YPDN	UAAA	482	YPAD	VGHS	3,317
YBBN         ROAH         1,805         YPDN         UHHH         505         YAMB         VGZR         3,360           YPDN         RODN         445         YMEN         UHHH         2,815         YMML         VGZR         3,865           YBCS         RODN         885         YPDN         UHWW         505         YPDN         VHHH         445           YBRN         RODN         1,805         YPEA         UHWW         1,776         YBCS         VHHH         1,225           YBBN         RODN         1,805         YPPH         UHWW         2,780         YBTL         VHHH         1,225           YBBN         RODN         1,992         YPPH         UHWW         2,815         YBBN         VHHH         2,595           YSSY         RODN         2,515         YPDN         UIBB         445         YBCG         VHHH         2,595           YSSY         RODN         2,515         YPDN         UINUW         445         YBCG         VHHH         2,595           YPDN         RPLC         4,50         YPDN         UWLW         445         YSSY         VHHH         3,575           YBDN         RPLC         2,595	YBCS	RKTN	975	YPPH	UAAA	2,215	YMAV	VGHS	3,880
YPDN         RODN         445         YMEN         UHHH         2,815         YMML         VGZR         3,885           YBCS         RODN         885         YPDN         UHWW         505         YPDN         VHHH         445           YBTL         RODN         1,183         YBWW         UHWW         1,776         YBCS         VHHH         1,225           YBBN         RODN         1,805         YPPA         UHWW         2,780         YBTL         VHHH         1,485           YAMB         RODN         1,992         YPPH         UHWW         2,815         YBBN         VHHH         2,595           YSSY         RODN         2,515         YPDN         UIBB         445         YBCG         VHHH         2,595           YSML         RPLC         450         YPDN         UINIT         445         YBWW         VHHH         2,595           YBCS         RPLC         450         YPDN         UINIT         445         YBWW         VHHH         2,595           YBCS         RPLC         450         YPDN         UNINT         445         YBWW         VHHH         2,797           YBCS         RPLC         1,216	YBCS	ROAH	765	YPPH	UBBB	4,273	YPDN	VGZR	505
YBCS         RODN         885         YPDN         UHWW         505         YPDN         VHHH         445           YBTL         RODN         1,805         YPEA         UHWW         1,776         YBCS         VHHH         1,225           YBBN         RODN         1,805         YPEA         UHWW         2,780         YBTL         VHHH         1,225           YAMB         RODN         1,922         YPPH         UHWW         2,780         YBTL         VHHH         2,595           YSSY         RODN         2,515         YPDN         UIBB         445         YBCG         VHHH         2,595           YSSY         RODN         2,515         YPDN         UIBB         445         YBCG         VHHH         2,595           YPDN         UNINT         445         YBCG         VHHH         2,595         YSSY         VAHH         2,595           YPDN         RPLC         445         YSSY         VAHH         2,799         YPK         YPK         VHHH         3,575         YPSSY         VAHH         3,575         YPSSY         VAHH         3,575         YPSSY         VAHH         3,575         YPSSY         VABB         4,115         YPP	YBBN	ROAH	1,805	YPDN	UHHH	505	YAMB	VGZR	3,360
YBTL         RODN         1,183         YBWW         UHWW         1,776         YBCS         VHHH         1,225           YBBN         RODN         1,895         YPEA         UHWW         2,780         YBTL         VHHH         1,485           YAMB         RODN         1,992         YPPH         UHWW         2,815         YBBN         VHHH         2,595           YSSY         RODN         2,515         YPDN         UIBB         445         YBCW         VHHH         2,595           YMML         RPLB         3,575         YPDN         UINT         445         YBCW         VHHH         2,799           YPDN         RPLC         450         YPDN         UINLW         445         YSSY         VHHH         2,799           YPDN         RPLC         450         YPDN         UWLW         445         YSSY         VHHH         3,675           YBDN         RPLC         450         YPDN         UWLW         445         YSSY         VHHH         3,675           YBDN         RPLC         1,380         YSSY         VAAH         3,925         YBKA         VHHH         3,675           YBBA         RPLC         1,750	YPDN	RODN	445	YMEN	UHHH	2,815	YMML	VGZR	3,885
YBBN         RODN         1,805         YPEA         UHWW         2,780         YBTL         VHHH         1,485           YAMB         RODN         1,992         YPPH         UHWW         2,815         YBBN         VHHH         2,595           YSSY         RODN         2,515         YPDN         UIBB         445         YBCG         VHHH         2,595           YMML         RPLB         3,575         YPDN         UNNT         445         YBWW         VHHH         2,799           YPDN         RPLC         450         YPDN         UWLW         445         YSSY         VHHH         2,799           YPBCS         RPLC         1,215         YBTL         VAAH         2,307         YPKA         VHHH         930           YBTL         RPLC         1,380         YSSY         VAAH         3,925         YBAS         VHHH         1,762           YBBAS         RPLC         1,750         YPPH         VABB         4,415         YPPH         VHHH         3,075           YBAS         RPLC         1,750         YPPH         VABB         4,830         YMML         VHHH         3,585           YPPH         RPLC         3,665 </td <td>YBCS</td> <td>RODN</td> <td>885</td> <td>YPDN</td> <td>UHWW</td> <td>505</td> <td>YPDN</td> <td>VHHH</td> <td>445</td>	YBCS	RODN	885	YPDN	UHWW	505	YPDN	VHHH	445
YAMB         RODN         1,992         YPPH         UHWW         2,815         YBBN         VHHH         2,595           YSSY         RODN         2,516         YPDN         UIBB         445         YBCG         VHHH         2,595           YMML         RPLB         3,575         YPDN         UNLW         445         YBWW         VHHH         2,595           YPDN         RPLC         450         YPDN         UWLW         445         YSSY         VHHH         3,675           YBCS         RPLC         1,216         YBTL         VAAH         2,307         YPKA         VHHH         930           YBTL         RPLC         1,380         YSSY         VAAH         3,925         YBAS         VHHH         1,762           YBBN         RPLC         2,596         YSSY         VABB         4,116         YPPH         VHHH         3,075           YBAS         RPLC         1,750         YPPH         VABB         4,445         YPAD         VHHH         3,075           YPAD         RPLC         3,065         YMML         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         4,425 <td>YBTL.</td> <td>RODN</td> <td>1,183</td> <td>YBWW</td> <td>UHWW</td> <td>1,776</td> <td>YBCS</td> <td>VHHH</td> <td>1,225</td>	YBTL.	RODN	1,183	YBWW	UHWW	1,776	YBCS	VHHH	1,225
YSSY         RODN         2,515         YPDN         UIBB         445         YBCG         VHHH         2,595           YMML         RPLB         3,575         YPDN         UNNT         445         YBWW         VHHH         2,799           YPDN         RPLC         450         YPDN         UWLW         445         YSSY         VHHH         3,575           YBCS         RPLC         1,215         YBTL         VAAH         2,307         YPKA         VHHH         930           YBTL         RPLC         1,380         YSSY         VAAH         3,925         YBAS         VHHH         1,762           YBBN         RPLC         2,595         YSSY         VABB         4,115         YPPH         VHHH         2,215           YBAS         RPLC         1,750         YPPH         VABB         4,445         YPAD         VHHH         3,075           YPAD         RPLC         3,065         YMML         VABB         6,835         YMEN         VHHH         3,575           YSSY         RPLC         4,222         YMAV         VABB         6,830         YMML         VHHH         3,525           YSSY         RPL         4,425	YBBN	RODN	1,805	YPEA	UHWW	2,780	YBTL	VHHH	1,485
YMML         RPLB         3,575         YPDN         UNNT         445         YBWW         VHHH         2,799           YPDN         RPLC         450         YPDN         UWLW         445         YSSY         VHHH         3,575           YBCS         RPLC         1,215         YBTL         VAAH         2,307         YPKA         VHHH         930           YBTL         RPLC         1,380         YSSY         VAAH         3,925         YPKA         VHHH         1,762           YBBN         RPLC         1,380         YSSY         VAAH         3,925         YPAS         VHHH         1,762           YBBN         RPLC         1,750         YPPH         VABB         4,116         YPPH         VHHH         2,215           YBAS         RPLC         3,065         YMML         VABB         6,835         YMEN         VHHH         3,075           YPAD         RPLC         3,065         YMML         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         3,065         YMML         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         3,575 </td <td>YAMB</td> <td>RODN</td> <td>1,992</td> <td>YPPH</td> <td>UHWW</td> <td>2,815</td> <td>YBBN</td> <td>VHHH</td> <td>2,595</td>	YAMB	RODN	1,992	YPPH	UHWW	2,815	YBBN	VHHH	2,595
YPDN         RPLC         450         YPDN         UWLW         445         YSSY         VHHH         3,575           YBCS         RPLC         1,215         YBTL         VAAH         2,307         YPKA         VHHH         930           YBTL         RPLC         1,380         YSSY         VAAH         3,925         YBAS         VHHH         1,762           YBBN         RPLC         2,595         YSSY         VABB         4,115         YPPH         VHHH         3,075           YBAS         RPLC         1,750         YPPH         VABB         4,445         YPAD         VHHH         3,075           YPAD         RPLC         3,065         YMML         VABB         6,830         YMML         VHHH         3,586           YPPH         RPLC         2,226         YMAV         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         4,425         YPDN         VCBI         705         YMAV         VHHH         3,575           YSSY         RPLL         4,425         YPDN         VCBI         2,265         YPDN         VIDP         3,675           YBST         RPLL         1,485 </td <td>YSSY</td> <td>RODN</td> <td>2,515</td> <td>YPDN</td> <td>UIBB</td> <td>445</td> <td>YBCG</td> <td>VHHH</td> <td>2,595</td>	YSSY	RODN	2,515	YPDN	UIBB	445	YBCG	VHHH	2,595
YBCS         RPLC         1,215         YBTL         VAAH         2,307         YPKA         VHHH         930           YBTL         RPLC         1,380         YSSY         VAAH         3,925         YBAS         VHHH         1,762           YBBN         RPLC         2,595         YSSY         VABB         4,115         YPPH         VHHH         2,215           YBAS         RPLC         1,750         YPPH         VABB         4,445         YPAD         VHHH         3,075           YPAD         RPLC         3,065         YMML         VABB         6,835         YMEN         VHHH         3,575           YPPH         RPLC         2,226         YMAV         VABB         6,835         YMML         VHHH         3,575           YSSY         RPLC         4,425         YPDN         VCBI         705         YMAV         VHHH         3,520           YMML         RPLC         3,575         YBCS         VCBI         2,265         YPDN         VIDP         505           YBCS         RPLL         1,485         YBRW         VCBI         3,641         YWLM         VIDP         3,675           YBTL         RPLL         1,485	YMML	RPLB	3,575	YPDN	UNNT	445	YBWW	VHHH	2,799
YBTL         RPLC         1,380         YSSY         VAAH         3,925         YBAS         VHHH         1,762           YBBN         RPLC         2,595         YSSY         VABB         4,115         YPPH         VHHH         2,215           YBAS         RPLC         1,750         YPPH         VABB         4,445         YPAD         VHHH         3,075           YPAD         RPLC         3,065         YMML         VABB         6,835         YMEN         VHHH         3,575           YPPH         RPLC         2,226         YMAV         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         4,425         YPDN         VCBI         705         YMAV         VHHH         3,520           YMML         RPLC         3,575         YBCS         VCBI         2,265         YPDN         VIDP         505           YPDN         RPLL         4,45         YBRK         VCBI         3,641         YWLM         VIDP         3,675           YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,615           YBT         RPLL         1,485	YPDN	RPLC	450	YPDN	UWLW	445	YSSY	VHHH	3,575
YBBN         RPLC         2,595         YSSY         VABB         4,115         YPPH         VHHH         2,215           YBAS         RPLC         1,750         YPPH         VABB         4,445         YPAD         VHHH         3,075           YPAD         RPLC         3,065         YMML         VABB         6,835         YMEN         VHHH         3,575           YPPH         RPLC         2,226         YMAV         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         4,425         YPDN         VCBI         705         YMAV         VHHH         3,520           YMML         RPLC         3,575         YBCS         VCBI         2,265         YPDN         VIDP         3,675           YBCS         RPLL         4,445         YBRK         VCBI         3,641         YWLM         VIDP         3,675           YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,885           YBBN         RPLL         2	YBCS	RPLC	1,215	YBTL	VAAH	2,307	YPKA	VHHH	930
YBAS         RPLC         1,750         YPPH         VABB         4,445         YPAD         VHHH         3,075           YPAD         RPLC         3,065         YMML         VABB         6,835         YMEN         VHHH         3,585           YPPH         RPLC         2,226         YMAV         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         4,425         YPDN         VCBI         705         YMAV         VHHH         3,520           YMML         RPLC         3,675         YBCS         VCBI         2,265         YPDN         VIDP         505           YPDN         RPLL         4445         YBRK         VCBI         3,641         YWLM         VIDP         3,675           YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,675           YBTL         RPLL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,681           YBBN         RPLL         1,485         YBRM         VCBI         1,370         YSSY         VIDP         4,115           YSSY         RPLL         3,45	YBTL	RPLC	1,380	YSSY	VAAH	3,925	YBAS	VHHH	1,762
YPAD         RPLC         3,065         YMML         VABB         6,835         YMEN         VHHH         3,585           YPPH         RPLC         2,226         YMAV         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         4,425         YPDN         VCBI         705         YMAV         VHHH         3,520           YMML         RPLC         3,575         YBCS         VCBI         2,265         YPDN         VIDP         505           YPDN         RPLL         445         YBRK         VCBI         3,641         YWLM         VIDP         3,675           YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,885           YBBN         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749	YBBN	RPLC	2,595	YSSY	VABB	4,115	YPPH	VHHH	2,215
YPPH         RPLC         2,226         YMAV         VABB         6,830         YMML         VHHH         3,575           YSSY         RPLC         4,425         YPDN         VCBI         705         YMAV         VHHH         3,520           YMML         RPLC         3,575         YBCS         VCBI         2,265         YPDN         VIDP         505           YPDN         RPLL         445         YBRK         VCBI         3,641         YWLM         VIDP         3,675           YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,885           YBBN         RPLL         2,595         YBRM         VCBI         1,370         YSSY         VIDP         4,115           YSSY         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749	YBAS	RPLC	1,750	YPPH	VABB	4,445	YPAD	VHHH	3,075
YSSY         RPLC         4,425         YPDN         VCBI         705         YMAV         VHHH         3,520           YMML         RPLC         3,575         YBCS         VCBI         2,265         YPDN         VIDP         505           YPDN         RPLL         445         YBRK         VCBI         3,641         YWLM         VIDP         3,675           YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,885           YBBN         RPLL         2,595         YBRM         VCBI         1,370         YSSY         VIDP         4,115           YSSY         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749         YBCG         VCBI         4,638         YPPH         VIDP         3,895           YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         4,879           YPAD         RPLL         3,663	YPAD	RPLC	3,065	YMML	VABB	6,835	YMEN	VHHH	3,585
YMMIL         RPLC         3,575         YBCS         VCBI         2,265         YPDN         VIDP         505           YPDN         RPLL         445         YBRK         VCBI         3,641         YWLM         VIDP         3,675           YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,885           YBBN         RPLL         2,595         YBRM         VCBI         1,370         YSSY         VIDP         4,115           YSSY         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749         YBCG         VCBI         4,638         YPPH         VIDP         3,895           YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         4,879           YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,653           YPPH         RPLL         2,	YPPH	RPLC	2,226	YMAV	VABB	6,830	YMML	VHHH	3,575
YPDN         RPLL         445         YBRK         VCBI         3,641         YWLM         VIDP         3,675           YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,885           YBBN         RPLL         2,595         YBRM         VCBI         1,370         YSSY         VIDP         4,115           YSSY         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749         YBCG         VCBI         4,638         YPPH         VIDP         3,895           YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         3,895           YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,653           YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMML         RPLL         3	YSSY	RPLC	4,425	YPDN	VCBI	705	YMAV	VHHH	3,520
YBCS         RPLL         1,215         YBSU         VCBI         4,370         YBBN         VIDP         3,615           YBTL         RPLL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,885           YBBN         RPLL         2,595         YBRM         VCBI         1,370         YSSY         VIDP         4,115           YSSY         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749         YBCG         VCBI         4,638         YPPH         VIDP         3,895           YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         4,879           YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,663           YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMML         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YSCB         RPLL <td< td=""><td>YMML</td><td>RPLC</td><td>3,575</td><td>YBCS</td><td>VCBI</td><td>2,265</td><td>YPDN</td><td>VIDP</td><td>505</td></td<>	YMML	RPLC	3,575	YBCS	VCBI	2,265	YPDN	VIDP	505
YBTL         RPIL         1,485         YBBN         VCBI         4,623         YMML         VIDP         3,885           YBBN         RPLL         2,595         YBRM         VCBI         1,370         YSSY         VIDP         4,115           YSSY         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749         YBCG         VCBI         4,638         YPPH         VIDP         3,895           YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         4,879           YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,663           YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMML         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YMEN         RPLL         3,575         YMEN         VCBI         6,852         YPAD         VMMC         3,675           YPDN         RPMD <td< td=""><td>YPDN</td><td>RPLL</td><td>445</td><td>YBRK</td><td>VCBI</td><td>3,641</td><td>YWLM</td><td>VIDP</td><td>3,675</td></td<>	YPDN	RPLL	445	YBRK	VCBI	3,641	YWLM	VIDP	3,675
YBBN         RPLL         2,595         YBRM         VCBI         1,370         YSSY         VIDP         4,115           YSSY         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749         YBCG         VCBI         4,638         YPPH         VIDP         3,895           YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         4,879           YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,653           YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMML         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YMEN         RPLL         3,575         YMEN         VCBI         6,852         YPAD         VMMC         3,065           YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD <td< td=""><td>YBCS</td><td>RPLL</td><td>1,215</td><td>YBSU</td><td>VCBI</td><td>4,370</td><td>YBBN</td><td>VIDP</td><td>3,615</td></td<>	YBCS	RPLL	1,215	YBSU	VCBI	4,370	YBBN	VIDP	3,615
YSSY         RPLL         3,455         YAMB         VCBI         4,506         YPAD         VIDP         3,574           YBAS         RPLL         1,749         YBCG         VCBI         4,638         YPPH         VIDP         3,895           YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         4,879           YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,653           YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMML         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YMEN         RPLL         3,575         YMEN         VCBI         6,862         YPAD         VMMC         3,065           YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBSN         RPMD         3	YBTL	RPLL	1,485	YBBN	VCBI	4,623	YMML	VIDP	3,885
YBAS         RPLL         1,749         YBCG         VCBI         4,638         YPPH         VIDP         3,895           YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         4,879           YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,653           YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMML         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YMEN         RPLL         3,575         YMEN         VCBI         6,852         YPAD         VMMC         3,065           YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         2	YBBN	RPLL	2,595	YBRM	VCBI	1,370	YSSY	VIDP	4,115
YMEK         RPLL         2,170         YPPH         VCBI         3,555         YMHB         VIDP         4,879           YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,653           YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMML         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YMEN         RPLL         3,575         YMEN         VCBI         6,852         YPAD         VMMC         3,065           YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         609           YPDN         RPMR         450	YSSY	RPLL	3,455		VCBI	4,506	YPAD		3,574
YPAD         RPLL         3,063         YSSY         VCBI         4,115         YBCS         VLLB         1,653           YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMML         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YMEN         RPLL         3,575         YMEN         VCBI         6,852         YPAD         VMMC         3,065           YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         2,728         YBWW         VCRI         4,452         YSSY         VOBG         4,695           YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         4,834           YSSY         RPMR         4	YBAS	RPLL	1,749	YBCG	VCBI	4,638	YPPH	VIDP	3,895
YPPH         RPLL         2,815         YMML         VCBI         3,885         YPPH         VLVT         2,287           YMMIL         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YMEN         RPLL         3,575         YMEN         VCBI         6,852         YPAD         VMMC         3,065           YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         2,728         YBWW         VCRI         4,452         YSSY         VOBG         4,695           YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         4,834           YSSY         RPMR         450         YPLM         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,74	YMEK	RPLL	2,170	YPPH	VCBI	3,555	YMHB	VIDP	4,879
YMML         RPLL         3,575         YPAD         VCBI         6,205         YSSY         VMMC         4,115           YMEN         RPLL         3,575         YMEN         VCBI         6,852         YPAD         VMMC         3,065           YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         2,728         YBWW         VCRI         4,452         YSSY         VOBG         4,695           YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         609           YPDN         RPMR         450         YPLM         VCRI         3,427         YSSY         VOBL         4,834           YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748 </td <td>YPAD</td> <td>RPLL</td> <td>3,063</td> <td>YSSY</td> <td>VCBI</td> <td>4,115</td> <td></td> <td></td> <td>1,653</td>	YPAD	RPLL	3,063	YSSY	VCBI	4,115			1,653
YMEN         RPLL         3,575         YMEN         VCBI         6,852         YPAD         VMMC         3,065           YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         2,728         YBWW         VCRI         4,452         YSSY         VOBG         4,695           YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         609           YPDN         RPMR         450         YPLM         VCRI         3,427         YSSY         VOBL         4,834           YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748         YPPH         VCRI         4,442         YPDN         VOHY         595	YPPH	RPLL				3,885			
YSCB         RPLL         4,365         YMHB         VCBI         7,369         YMML         VMMC         3,575           YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         2,728         YBWW         VCRI         4,452         YSSY         VOBG         4,695           YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         609           YPDN         RPMR         450         YPLM         VCRI         3,427         YSSY         VOBL         4,834           YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748         YPPH         VCRI         4,442         YPDN         VOHY         595	YMML								
YPDN         RPMD         445         YPCC         VCCC         1,514         YPPH         VNKT         4,445           YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         2,728         YBWW         VCRI         4,452         YSSY         VOBG         4,695           YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         609           YPDN         RPMR         450         YPLM         VCRI         3,427         YSSY         VOBL         4,834           YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748         YPPH         VCRI         4,442         YPDN         VOHY         595	YMEN	RPLL			VCBI				
YBCS         RPMD         1,047         YBRM         VCRI         1,377         YBRM         VOBG         1,330           YBBN         RPMD         2,728         YBWW         VCRI         4,452         YSSY         VOBG         4,695           YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         609           YPDN         RPMR         450         YPLM         VCRI         3,427         YSSY         VOBL         4,834           YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748         YPPH         VCRI         4,442         YPDN         VOHY         595	YSCB	RPLL	4,365		VCBI	7,369		VMMC	3,575
YBBN         RPMD         2,728         YBWW         VCRI         4,452         YSSY         VOBG         4,695           YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         609           YPDN         RPMR         450         YPLM         VCRI         3,427         YSSY         VOBL         4,834           YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748         YPPH         VCRI         4,442         YPDN         VOHY         595									
YSSY         RPMD         3,095         YPCC         VCRI         1,483         YPDN         VOBL         609           YPDN         RPMR         450         YPLM         VCRI         3,427         YSSY         VOBL         4,834           YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748         YPPH         VCRI         4,442         YPDN         VOHY         595			<u> </u>						
YPDN         RPMR         450         YPLM         VCRI         3,427         YSSY         VOBL         4,834           YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748         YPPH         VCRI         4,442         YPDN         VOHY         595									
YSSY         RPMR         3,466         YPPD         VCRI         3,440         YPDN         VOCI         595           YBAS         RPMR         1,748         YPPH         VCRI         4,442         YPDN         VOHY         595									
YBAS RPMR 1,748 YPPH VCRI 4,442 YPDN VOHY 595									
YSSY RPVB 3,455 YMML VCRI 6,826 YSSY VOHY 4,135									
	YSSY	RPVB	3,455	YMML	VCRI	6,826	YSSY	VOHY	4,135

City	y Pair	Distance	City	/ Pair	Distance	City	/ Pair	Distance
YPDN	VOMM	595	YSSY	VTSP	4,115	YMML	WAHH	4,170
YSSY	VOMM	4,135	YPDN	VTUK	505	YPPD	WAHI	1,119
YMAV	VOMM	4,370	YPDN	WCT	535	YMML	WAHI	4,202
YPPH	VOMM	4,228	YSSY	VVCT	3,706	YPPD	WAHQ	1,083
YSCB	VOMM	4,759	YMML	WCT	3,695	YHID	WAKK	180
YPPD	VRDA	4,097	YMML	VVDN	3,575	YBCS	WAKK	765
YPPH	VRMG	5,150	YPDN	VVNB	505	YPDN	WAMM	445
YMML	VRMG	7,841	YBBN	VVNB	3,355	YPPH	WAMM	2,283
YMEN	VRMG	7,847	YSSY	VVNB	3,655	YPDN	WAPP	445
YSSY	VRMG	8,347	YMEN	VVNB	3,663	YBCS	WAPP	2,425
YPDN	VRMM	705	YMML	VVNB	3,581	YBAS	WAPP	1,748
YBCG	VRMM	1,644	YPPH	VVNB	2,325	YPDN	WARR	705
YPCC	VRMM	620	YMEN	VVPQ	3,771	YBBN	WARR	3,541
YPPD	VRMM	3,715	YPDN	VVTS	505	YBRM	WARR	1,335
YPPH	VRMM	3,555	YBBN	VVTS	3,439	YPPD	WARR	1,017
YPLM	VRMM	3,560	YSSY	VVTS	4,115	YMML	WARR	2,909
YBRM	VRMM	5,230	YPPH	VVTS	2,355	YPPH	WARR	2,225
YBBN	VRMM	7,475	YMAV	WTS	3,661	YSSY	WARR	4,040
YSSY	VRMM	4,125	YMML	WTS	3,885	YPDN	WATT	705
YBSU	VRMM	7,711	YPDN	VVVD	473	YBCS	WATT	2,330
YPEA	VRMM	5,060	YMML	VVVD	3,592	YBBN	WATT	3,482
YPAD	VRMM	6,205	YBRM	VYYY	1,280	YSSY	WATT	3,708
YMML	VRMM	7,725	YPPH	VYYY	2,387	YMML	WATT	3,572
YMEN	VRMM	7,735	YPDN	WAAA	583	YBCS	WBGG	2,035
YSCB	VRMM	7,841	YBCS	WAAA	2,135	YGLA	WBGG	3,080
YPDN	VTBD	585	YBWW	WAAA	3,338	YPAD	WBGG	3,405
YBBN	VTBD	3,725	YSSY	WAAA	3,704	YMEN	WBGG	3,895
YBAS	VTBD	2,105	YPDN	WABB	485	YMML	WBGR	3,566
YPLM	VTBD	1,270	YBCS	WABB	549	YMEN	WBGR	3,574
YSSY	VTBD	4,115	YBTL	WABB	1,272	YBRM	WBKK	820
YMAV	VTBD	3,830	YBCG	WABB	2,433	YPPD	WBKK	1,024
YMAY	VTBD	3,885	YBBN	WABB	2,595	YBAS	WBKK	2,105
YMML	VTBD	3,885	YSSY	WABB	3,095	YSSY	WBKK	3,655
YMEN	VTBD	3,885	YHID	WABP	220	YPPH	WBKK	2,355
YPPH	VTBD	2,355	YPGV	WABP	400	YMML	WBKK	3,575
YPDN	VTBS	507	YSSY	WABP	3,575	YPPH	WBKL	2,209
YPPH	VTBS	2,385	YPPH	WABP	2,215	YPDN	WBSB	505
YBBN	VTBS	3,405	YPAD	WABP	2,895	YBCS	WBSB	1,215
YBAS	VTBS	1,892	YPDN	WADD	705	YBRK	WBSB	2,895
YMAV	VTBS	3,811	YBRM	WADD	820	YAMB	WBSB	3,247
YSSY	VTBS	3,915	YBCS	WADD	2,375	YBBN	WBSB	3,345
YMML	VTBS	4,435	YBTL	WADD	2,628	YSSY	WBSB	4,115
YMML	VTBU	3,885	YBBN	WADD	3,455	YMML	WBSB	3,575
YBCS	VTCC	2,135	YPPD	WADD	945	YMAV	WBSB	3,482
YMEN	VTPH	3,860	YBAS	WADD	2,115	YPPH	WIDD	2,328
YPLM	VTSB	1,286	YSSY	WADD	3,695	YPPD	WIEE	1,281
YBBN	VTSM	3,450	YPPH	WADD	2,215	YPPH	WIEE	2,644
YPPH	VTSM	2,366	YPAD	WADD	3,355	YPDN	WIHH	705
YPDN	VTSP	585	YMML	WADD	3,575	YBRM	WIHH	1,340
YBAS	VTSP	2,115	YMEN	WADD	4,399	YPPD	WIHH	1,205
YMEN	VTSP	3,655	YPDN	WADL	691	YBBN	WIHH	4,665
YMML	VTSP	3,885	YBRM	WADL	781	YPCC	WIHH	699
YPPH	VTSP	2,355	YPPD	WADL	945	YPLM	WIHH	1,240
		-,						-,

City	y Pair	Distance	Cit	y Pair	Distance	City	Pair	Distance
YPPH	WIHH	2,265	YSRI	WMKK	4,080	YPPD	WRRR	985
YSSY	WIHH	3,925	YPPH	WMKK	2,355	YPLM	WRRR	1,080
YMML	WIHH	4,375	YSSY	WMKK	4,115	YBAS	WRRR	2,110
YMEN	WIHH	4,385	YPTN	WMKP	850	YPKG	WRRR	2,180
YSCB	WIHH	4,836	YMAV	WMKP	4,133	YLEO	WRRR	1,970
YPDN	WIII	755	YPAD	WMKP	3,735	YPPH	WRRR	2,215
YBRM	WIII	880	YPDN	WMSA	585	YWLM	WRRR	4,125
YBCS	WIII	2,375	YBRM	WMSA	880	YPAD	WRRR	3,405
YBMC	Will	3,455	YBCG	WMSA	3,647	YMML	WRRR	3,805
YBBN	WIII	3,725	YBBN	WMSA	3,715	YMEN	WRRR	3,805
YPPD	WIII	965	YPPD	WMSA	1,265	YSCB	WRRR	4,035
YBAS	Will	2,565	YMML	WMSA	3,885	YSSY	WRRR	4,035
YSCB	WIII	4,035	YMEN	WMSA	3,885	YPDN	WRSJ	705
YPPH	WIII	2,335	YSRI	WMSA	4,030	YBRM	WRSJ	870
YPEA	WIII	2,350	YSCB	WMSA	4,055	YBCS	WRSJ	2,375
YSSY	WIII	4,565	YPPH	WMSA	2,355	YBRK	WRSJ	3,065
YPAD	WIII	3,735	YSSY	WMSA	4,115	YBBN	WRSJ	3,765
YMML	Will	4,375	YPDN	WPDB	555	YPPD	WRSJ	1,205
YMEN	WIII	4,375	YBUF	WPDL	30	YPPH	WRSJ	2,215
YMLT	WIII	5,025	YBYU	WPDL	140	YMEN	WRSJ	3,615
YPDN	WIKB	585	YPDN	WPDL	560	YMML	WRSJ	3,615
YBCS	WIKB	2,135	YPCC	WPDL	700	YMAV	WRSJ	3,890
YBBN	WIKB	3,715	YSSY	WPDL	3,695	YSCB	WRSJ	4,035
YPAD	WIKB	3,735	YSCB	WPDL	3,635	YSSY	WRSJ	4,035
YMML	WIKB	3,885	YPPH	WPDL	2,215	YPDN	WRSQ	755
YPEA	WIKB	2,300	YMEN	WPDL	3,622	YPDN	WRSS	585
YPPH	WIKB	2,355	YBBN	WPDL	2,355	YPDN	WRTB	560
YSSY	WIKB	4,115	YBCS	WPEC	2,265	YPDN	WRTT	560
		975	YBBN	WPEC	3,355	YMML	WRTT	3,805
YBCS	WIMM	997	YPPD	WPEC	1,655	YPDN	WSAP	585
YBRM	WIMM			WPEC		YBBN	WSAP	3,715
YBTL	WIMM	2,545	YMML	WRKK	3,805	YPPH	WSAP	2,355
YPPD	MMIW	1,265						
YSSY	WIMM	3,925	YBRM YPDN	WRKK	670 705	YSSY	WSAP	4,135 585
YPPH	WIMM	2,445		WRKK				790
YMML	WIMM	3,885	YPKU	WRKK	710	YBRM	WSSL	
YPDN	WMKB	625	YPPD	WRKK	1,015	YBCS	WSSL	2,135
YPDN	WMKJ	585	YPPH	WRKK	2,215	YBTL	WSSL	2,468
YBBN	WMKJ	3,539	YMML	WRKK	3,885	YBBN	WSSL	3,715
YBCG	WMKJ	3,644	YPDN	WRLL	505	YPPD	WSSL	1,205
YAMB	WMKJ	3,930	YBCS	WRLL	2,137	YBAS	WSSL	2,105
YPPD	WMKJ	1,205	YPPH	WRLL	2,215	YPLM	WSSL	1,260
YPAD	WMKJ	3,503	YMEN	WRLL	3,615	YPAD	WSSL	3,735
YSRI	WMKJ	4,030	YPDN	WRRA	705	YMML	WSSL	3,885
YPPH	WMKJ	2,355	YSSY	WRRA	4,125	YMEN	WSSL	3,885
YMEN	WMKJ	4,106	YPDN	WRRR	705	YPPH	WSSL	2,355
YSSY	WMKJ	4,925	YBRM	WRRR	730	YSSY	WSSL	4,115
YPDN	WMKK	585	YDBY	WRRR	833	YMHB	WSSL	4,712
YBCS	WMKK	2,265	YCIN	WRRR	870	YPDN	WSSS	585
YBBN	WMKK	3,715	YARG	WRRR	960	YBCS	WSSS	2,135
YPPD	WMKK	1,205	YBCS	WRRR	2,375	YBHM	WSSS	2,745
YPAD	WMKK	3,735	YBTL	WRRR	2,835	YBRK	WSSS	2,765
YMAV	WMKK	3,830	YBBN	WRRR	3,715	YEML	WSSS	2,880
YMML	WMKK	3,885	YBCG	WRRR	3,835	YBWW	WSSS	3,471

City Pair Distance				
YBCG	WSSS	3,555		
YSCH	WSSS	3,605		
YAMB	WSSS	3,660		
YBBN	WSSS	3,715		
YPKA	WSSS	1,070		
YPPD	WSSS	1,205		
YBAS	WSSS	2,105		
YPAD	WSSS	3,735		
YMML	WSSS	3,885		
YMAV	WSSS	3,840		
YSCB	WSSS	4,035		
YPPH	WSSS	2,355		
YSSY	WSSS	4,115		
YPXM	YBRM	1,434		
YSNF	YBSU	999		
YPXM	YPKA	1,401		
YPDN	YPXM			
YPCC	YPXM	2,815		
YPPD	YPXM	1,720		
YPLM	YPXM	1,413		
YPPH	YPXM	2,480		
YSSY	YPXM	5,260		
YMML	YPXM	4,689		
YSCB	YPXM	4,911		
YLHI	YSNF	390		
YWLM	YSNF	770		
YBCG	YSNF	925		
YBBN	YSNF	1,025		
YBTL	YSNF	1,615		
YBCS	YSNF	2,365		
YSBK	YSNF	1,183		
YMAV	YSNF	1,842		
YSNF	YSRI	1,198		
YSNF	YSSY	1,178		
YSSY	ZBAA	3,575		
YBAS	ZBAA	1,749		
YMML	ZBAA	3,549		
YPDN	ZBBB	445		
YBCS	ZBBB	545		
YBBN	ZBBB	2,135		
YSSY	ZBBB	3,575		
YMML	ZBBB	3,575		
YPPH	ZBBB	2,215		
YMEN	ZBBB	3,585		
YPPH	ZBTJ	2,208		
YPDN	ZGGG	445		
YBRM	ZGGG	674		
YBBN	ZGGG			
		3,235		
YSSY	ZGGG	3,575		
YMML	ZGGG	3,575		
YMEN	ZGGG	3,597		
YMHB	ZGGG	4,245		
YPDN	ZGKL	445		

Cit	y Pair	Distance
YBBN	ZGSZ	2,668
YSSY	ZGSZ	4,425
YPPH	ZGSZ	2,210
YMML	ZGSZ	3,587
YSSY	ZHCC	3,257
YMML	ZHCC	3,541
YSSY	ZHHH	3,575
YSSY	ZJHK	3,556
YPDN	ZJSY	474
YAYE	ZLXY	1,800
YSSY	ZMUB	3,034
YPPH	ZMUB	2,227
YSSY	ZPPP	3,611
YBBN	ZSAM	2,135
YSSY	ZSAM	3,380
YMML	ZSAM	3,553
YPPH	ZSAM	2,210
YBBN	ZSFZ	2,595
YSSY	ZSFZ	3,244
YSSY	ZSHC	4,425
YSSY	ZSNJ	3,095
YPDN	ZSPD	445
YBRM	ZSPD	870
YBBN	ZSPD	2,135
YPPH	ZSPD	2,215
YMML	ZSPD	3,575
YSSY	ZSPD	3,575
YBCG	ZUCK	2,843
YSSY	ZUCK	3,499
YMML	ZUCK	3,587
YSSY	ZUUU	3,522
YMML	ZUUU	3,615
YPPH	ZUUU	2,247

City Pair		Chargeable Distance	City Pair		Chargeable Distance	City Pair		Chargeable Distance
AGGH	ANAU	380	FAJS	VTSP	1,060	FJDG	WMKK	1,120
AGGH	AYMS	550	FAJS	WBSB	2,370	FJDG	WMSA	1,468
AGGH	AYPY	550	FAJS	WMKL	2,500	FJDG	WSAP	1,120
AGGH	NFFN	620	FAJS	WSSL	2,370	FJDG	WSSL	1,120
AGGH	NGTA	380	FAJS	ZSAM	1,110	FKKD	Will	2,160
AGGH	NVVV	620	FALA	WMSA	2,080	FLLS	WMKK	2,160
AGGH	PGUM	670	FALA	WRRR	3,110	FMCH	WMKP	170
AGGH	PKMJ	390	FAOR	NZCH	4,919	FMEE	NWWW	9,116
AGGH	WABB	380	FAOR	WMKK	2,142	FMEE	VTBD	1,160
AGGH	WADD	1,916	FAOR	WMSA	2,094	FMEE	VTSB	1,286
AGGH	WIII	1,960	FAOR	WSSS	2,357	FMEE	WMKP	1,750
AGGL	NVSS	620	FAPE	WIII	2,160	FMEE	WRKK	3,170
AGGN	AYMS	220	FAWH	WMKK	1,150	FMMI	VTBD	1,120
AYMD	PKMJ	1,570	FAWK	WMKK	2,320	FMMI	WMKK	1,750
AYMD	WRRR	2,010	FBMN	WMSA	1,568	FQMA	VCBI	660
AYMS	NVVV	420	FDMS	WMKL	1,950	FQMA	WMKK	1,120
AYNZ	WRSJ	1,970	FDMS	WMSA	2,320	FQMA	WMKL	1,890
AYPY	NFFN	60	FDMS	WRSJ	3,620	FQMA	WMKP	1,950
AYPY	NFNA	60	FDMS	WSSS	120	FSIA	RKTH	2,161
AYPY	NVVV	60	FDSK	WMKK	2,174	FSIA	WADD	2,950
AYPY	NWWW	1,600	FIMP	RPLL	1,890	FSIA	WIBB	170
AYPY	NZAA	2,380	FIMP	VHHH	1,160	FSIA	WIHH	2,568
AYPY	NZHN	2,210	FIMP	VTBD	1,270	FSIA	WMKL	1,950
AYPY	PHNL	1,500	FIMP	VTCC	1,270	FSIA	WMSA	174
AYPY	WAAA	358	FIMP	VTCT	1,270	FSIA	WRRR	170
AYPY	WADD	2,070	FIMP	WIEE	2,411	FSIA	WSSL	2,160
AYPY	WAHI	1,542	FIMP	WMKK	2,370	FSSS	WMKK	2,370
AYPY	WARR	1,307	FIMP	WMSA	2,370	FSSS	WRRR	2,160
AYPY	WIHH	2,019	FIMP	WRKK	2,430	FVHA	WIII	3,170
AYPY	WIII	1,970	FIMP	WRRR	2,430	FVHA	WIMM	1,900
AYPY	WIPP	2,010	FIMP	WRSJ	3,260	FVRG	Will	2,887
AYPY	WMKK	1,940	FIMP	WSAP	2,370	FVRG	WMKK	1,599
AYPY	WPDL	1,730	FIMP	WSSL	2,370	FVRG	WSSS	2,070
AYPY	WRRR	1,970	FIMP	WSSS	2,370	FYWH	VTCC	1,120
AYPY	WRSJ	1,970	FIMP	ZBAA	1,267	FYWH	WIII	3,170
BRGE	WPDL	140	FIMP	ZGGG	878	FYWH	WMKK	1,890
DNMM	WIII	2,135	FJDG	PGUA	1,110	HAAB	WBSB	1,110
FABL	WSSS	2,370	FJDG	PGUM	1,750	HECA	VTBD	1,120
FACT	RPLL	2,468	FJDG	RJTY	2,161	HECA	WSSS	1,110
FACT	VTBU	1,270	FJDG	RKSI	2,160	HKJK	VTBD	170
FACT	WIHH	3,362	FJDG	RODN	1,120	HKJK	WIII	2,161
FACT	WIMM	1,220	FJDG	RPLB	1,049	HKJK	WMKK	170
FACT	WMKK	1,950	FJDG	RPLC	2,160	HKMO	VTBD	1,270
FACT	WMSA	1,944	FJDG	RPLL	1,120	HTDA	WIII	2,644
FACT	WSSL	2,370	FJDG	VLVT	232	HTDA	WSSS	359
FACT	WSSS	2,370	FJDG	VTBD	1,270	HTKJ	WMKK	1,750
FADN	WIII	3,060	FJDG	VTBU	1,120	NCRG	WADD	2,020
FADN	WMSA	1,940	FJDG	WAMM	2,370	NFFN	OMDB	4,250
FADN	WSSS	2,320	FJDG	WBSB	1,700	NFFN	PGUM	1,120
FAJS	RCTP	1,160	FJDG	WIHH	2,644	NFFN	VVNB	1,120
FAJS	RPLL	1,750	FJDG	WITT	874	NFFN	WIII	4,200
	VTBU	1,270	FJDG	WMKJ	1,120	NFFN	WPEC	4,180

City	Pair	Chargeable Distance	City	/ Pair	Chargeable Distance
NFFN	WRKK	4,200	NZAA	WMKL	4,850
NFFN	WRRR	4,200	NZAA	WMKP	5,030
NFFN	WSSS	4,140	NZAA	WPDL	4,480
NFFN	ZBBB	1,590	NZAA	WRKK	4,560
NSTU	PGUM	920	NZAA	WRRR	4,880
NTAA	WADD	2,019	NZAA	WSSL	4,560
NTAA	WBSB	4,130	NZAA	WSSS	4,880
NVVV	WRRR	4,200	NZAA	ZBAA	1,553
NWWW	RKSI	46	NZAA	ZBBB	2,240
NWWW	VCBI	4,130	NZAA	ZGGG	2,980
NWWW	VHHH	1,520	NZAA	ZGSD	5,360
NWWW	WAKK	2,295	NZAA	ZSAM	2,980
NWWW	WIII	4,370	NZAA	ZSPD	1,553
NWWW	WMKJ	4,052	NZAP	VHHH	3,530
NWWW	WMKP	3,882	NZCH	PTRO	3,540
NWWW	WMSA	4,140	NZCH	RCTP	3,940
NWWW	WRRR	4,250	NZCH	RJAA	3,120
NWWW	WSSS	4,130	NZCH	RJFK	2,380
NWWW	ZGGG	1,153	NZCH	RJFM	3,240
NWWW	ZSPD	620	NZCH	RJFO	3,120
NZAA	OMDB	9,320	NZCH	RJNN	3,270
NZAA	PGUM	820	NZCH	RJSS	3,120
NZAA	RCTP	2,380	NZCH	RKSS	630
NZAA	RJGG	1,050	NZCH	VHHH	3,940
NZAA	RJNN	2,380	NZCH	VTBD	5,010
NZAA	RKSI	1,275	NZCH	VVTS	5,010
NZAA	RPLB	1,429	NZCH	WIII	5,520
NZAA	RPLL	2,980	NZCH	WMKK	5,010
NZAA	VABB	5,444	NZCH	WMKP	5,010
NZAA	VCRI	7,951	NZCH	WRRR	5,010
NZAA	VDPP	4,450	NZCH	WSSS	5,010
NZAA	VHHH	2,980	NZCH	ZBBB	3,940
NZAA	VIDP	4,542	NZOH	WBSB	4,480
NZAA	VVNB	5,030	NZWN	VVTS	4,620
NZAA	VVTS	4,395	NZWN	Will	4,560
NZAA	WADD	5,096	NZWN	WRRR	5,520
NZAA	WARR	5,096	NZWN	WSSL	5,284
NZAA	WBSB	4,490	NZWP	WSSS	4,880
NZAA	WIII	5,340	OMAA	RCTP	1,750
NZAA	WIKB	4,880	OMAA	VTBD	1,110
NZAA	WMKK	4,880	OMAA	WRRR	2,160

City	/ Pair	Chargeable Distance
OMDB	VHHH	520
OMDB	VTBD	1,117
OMDB	WBSB	1,160
OMSJ	VTBD	1,110
PGUA	NZWN	1,252
RJOI	FJDG	250
RPLC	FAOR	1,563
RPLL	FMEE	2,155
VDPP	FAOR	724
VRMG	WADD	2,061
VTBS	NZAA	4,450
WABB	NVVV	172
WADD	FACT	4,130
WADD	NZRO	3,930
WAKK	NFFN	762
WAKK	WAAA	351
WAKK	WADD	994
WAKK	WRKK	710
WIHH	HKMO	2,601
WIII	FAOR	3,091
Will	VRMG	1,687
WIMM	FJDG	1,249
WMKK	NZWN	5,343
WMSA	FVRG	1,474
WSSL	FAOR	2,347
WSSL	HTDA	311
WSSL	NFFN	3,101
WSSS	FAKN	2,343
WSSS	FALE	2,511
ZGGG	NZCH	4,233
ZGSZ	NZAA	2,841
ZSPD	NZCH	2,892

Note: New city pairs or revised Chargeable Distances will be added or amended from time to time in accordance with paragraph 10.2. Chargeable Distance for a city pair may be different from the Great Circle Distance.

## List of location code descriptions:

ICAO Code	Airport/City Name
AGGC	CHOISEUL BAY AIRPORT - CHOISEUL BAY, TARO ISLAND
AGGH	HONIARA
AGGL	GRACIOSA BAY/LUOVA,SANTA CRUZ I.
AGGM	MUNDA AIRPORT – MUNDA, NEW GEORGIA ISLAND
AGGN	GIZO SOLOMON IS
AGGY	YANDINA AIRPORT – YANDINA
ANAU	NAURU
ANYN	NAURU INTERNATIONAL AIRPORT - YAREN (ICAO CODE FORMERLY ANAU)
AYAY	AIYURA AIRPORT - PAPUA NEW GUINEA
AYBK	BUKA
AYDU	DARU INTL
AYGA	GOROKA
AYGN	GURNEY AIRPORT – ALOTAU
AYGR	GIRUA AIRPORT – POPONDETTA
AYHK	HOSKINS AIRPORT – HOSKINS
AYKI	KIUNGA
AYKT	KIETA AROPA AIRPORT – KIETA
AYKV	KAVIENG AIRPORT – KAVIENG
AYKY	KUNAYE, PAPUA NEW GUINEA
AYLA	LAE NADZAB AIRPORT – LAE
AYMD	MADANG
AYMH	MOUNT HAGEN
AYML	MOUGULU
AYMN	MENDI AIRPORT – MENDI
AYMR	MORO - PAPUA NEW GUINEA
AYMS	MISIMA
AYNZ	NADZAB
AYPY	JACKSONS
AYTB	TABUBIL
AYTK	TOKUA
AYVN	VANIMO AIRPORT – VANIMO
AYWK	WEWAK
BRGE	BARGE DB30
CYQI	YARMOUTH AIRPORT - NOVA SCOTIA
CYVR	VANCOUVER
DNKN	MALLAM AMINU KANO INTERNATIONAL AIRPORT-KANO, KANO STATE
DNMM	LAGOS
DNYO	YOLA AIRPORT - YOLA, ADAMAWA STATE
EBBR	BRUSSELS NATIONAL AIRPORT - BRUSSELS / ZAVENTEM
EDDC	DRESDEN
EDDF	FRANKFURT
EGLL	LONDON HEATHROW AIRPORT - LONDON, ENGLAND
EGPC	WICK JOHN O' GROATS
ESUE	IDRE
FABL	BLOEMFONTEIN AIRPORT BLOEMFONTEIN
· · · · · · · · · · · · · · · · · · ·	

ICAO Code	Airport/City Name
FACT	CAPE TOWN
FADN	DURBAN
FAGG	GEORGE AIRPORT – GEORGE
FAJS	JOHANNESBURG
FAKN	KRUGER MPUMALANGA INTERNATIONAL AIRPORT- NELSPRUIT (KRUGER NATIONAL PARK)
FALA	LANSERIA
FALE	KING SHAKA INTERNATIONAL AIRPORT
FAOR	TAMBO (STH AFRICA)
FAPE	PORT ELIZABETH AIRPORT – PORT ELIZABETH
FAPN	PILANESBURG INTERNATIONAL AIRPORT – PILANESBURG (NEAR SUN CITY)
FAUP	UPINGTON AIRPORT - UPINGTON
FAWH	PRETORIA PROTORIA
FAWK	WATERKLOOF AFB – WATERKLOOF
FBMN	MAUN MAUN
FBSK	SIR SERETSE KHAMA INTERNATIONAL AIRPORT – GABORONE
FDMS	MATSAPHA AIRPORT – MANZINI
FDSK	FEDERATION PEAK
FGSL	MALABO AIRPORT - MALABO
FIMP	MAURITIUS
FJDG	DIEGO GARCIA
FKKD	DOUALA OBS
FLKK	KENNETH KAUNDA
FLLI	LIVINGSTONE AIRPORT – LIVINGSTONE
FLLS	LUSAKA INTERNATIONAL AIRPORT – LUSAKA
FLND	PETER ZUZE AIR FORCE BASE
FMCH	PRINCE SAID IBRAHIM INTERNATIONAL AIRPORT - MORONI, COMOROS
FMEE	ST DENIS
FMMI	IVATO
FMNN	FASCENE AIRPORT - NOSY BE, MADAGASCAR
FOOL	LIBREVILLE
FQMA	MAPUTO
FQNC	NACALA AIRPORT – NACALA
FSIA	SEYCHELLES
FSSS	SEYCHELLES ATCC
FVFA	VICTORIA FALLS AIRPORT – VICTORIA FALLS
FVHA	HARARE
FVRG	ROBERT GABRIEL MUGABE INTERNATIONAL AIRPO
FWKI	LILONGWE-KAMUZU
FYWH	WINDHOEK HOSEA KUTAKO INTERNATIONAL AIRPORT – WINDHOEK
HDAM	BOLE INTERNATIONAL AIRPORT – ADDIS ABABA  DJIBOUTI-AMBOULI INTERNATIONAL AIRPORT – DJIBOUTI CITY
HEAT	ASYUT
HECA	CAIRO INTERNATIONAL AIRPORT – CAIRO
HKJK	NAIROBI/JOMO KENYATTA AIRPORT TWR/APP/NOF/CIVIL AIRLINES
НКМО	MOI INTERNATIONAL AIRPORT - MOMBASA
HKNA	NAIROBI/JOMO KENYATTA INTL
HTDA	DAR ES SALAAM AIRPORT – DAR ES SALAAM

ICAO Code	Airport/City Name
HTZA	ZANZIBAR AIRPORT ZANZIBAR
HUEN	ENTEBBE AIRPORT
KAMA	RICKHUSBAND AMARILLO INTERNATIONAL AIRPORT -
KBFI	BOEING FIELD/KING COUNTY INTERNATIONAL AIRPORT
KCOS	COLORADO SPRINGS
KDCA	RONALD REAGAN WASHINGTON NATIONAL AIRPORT – AR
KDFW	DALLAS-FORT WORTH INTERNATIONAL AIRPORT - DALL
KDTN	SHREVEPORT DOWNTOWN AIRPORT - SHREVEPORT, LOUI
KEGE	EAGLE
KGNG	GOODING MUNICIPAL AIRPORT – GOODING, IDAHO
KLAS	MCCARRAN INTERNATIONAL AIRPORT – LAS VEGAS, NE
KLAX	LOS ANGELES
KMZJ	PINALAIRPARK - PINAL COUNTY, ARIZONA
KOAK	OAKLAND INTERNATIONAL AIRPORT - OAKLAND, CALIF
КОКС	OKLAHOMA CITY
KONO	ONTARIO MUNICIPAL AIRPORT - ONTARIO, OREGON
KONT	ONTARIO INTERNATIONAL AIRPORT – ONTARIO, CALIF
KORD	CHICAGO
KPAE	SNOHOMISH COUNTY AIRPORT (PAINE FIELD), EVERET
KPDX	PORTLAND INTERNATIONAL AIRPORT - PORTLAND, ORE
KRAL	RIVERSIDE MUNICIPAL AIRPORT - RIVERSIDE, CALIF
KSDL	SCOTTSDALE MUNICIPAL AIRPORT - SCOTTSDALE, ARI
KSEA	SEATTLE-TACOMA INTERNATIONAL AIRPORT - SEATTLE
KSFO	SAN FRANCISCO
KSJC	NORMAN Y. MINETA SAN JOSÉ INTERNATIONAL AIRPOR
KSWF	NEWBURGH
KTUS	TUCSON
KVCV	SOUTHERN CALIFORNIA LOGISTICS AIRPORT – VICTOR
KVNY	VAN NUYS
LFBO	TOULOUSE - BLAGNAC AIRPORT - TOULOUSE
LFPG	PARIS CHARLES DE GAULLE
LIRA	CIAMPINO AIRPORT (GIOVAN BATTISTA PASTINE AIRPORT) – ROME
LTAG	ADANA INCIRLIK
LTFM	SAMSUN
MMMD	MANUEL CRESCENCIO REJÓN INTERNATIONAL AIRPORT – MÉRIDA, YUCATÁN
NCRG	RAROTONGA
NFFN	NADI
NFNA	SUVA/NAUSORI
NFTF	NUKUFALOFA
NGFU	FUNAFUTI INTERNATIONAL AIRPORT – FUNAFUTI, TUVALU
NGTA	TARAWA (KIRIBATI)
NIUE	NIUE HANAN INTERNATIONAL AIRPORT – ALOFI
NSAP	APIA
NSFA	FALEOLO/INTL
NSTU	PAGO PAGO
NTAA	TAHITI
NTTB	MOTU-MUTE AIRPORT - BORA BORA, LEEWARD ISLANDS (SOCIETY ISLANDS)
NVSS	LUGANVILLE
NVVV	PORT VILA
NWWM	MAGENTA APORT NOUMEA
NWWW	NOUMEA
NZAA	AUCKLAND

ICAO Code	Airport/City Name
NZAP	TAUPO
NZCH	CHRISTCHURCH
NZDN	DUNEDIN
NZHK	HOKITIKA AERODROME – HOKITIKA
NZHN	HAMILTON
NZIR	MCMURDO SEA ICE RUNWAY
NZKK	KERIKERI/BAY OF ISLANDS AIRPORT – KERIKERI / BAY OF ISLANDS
NZKT	KAITAIA AIRPORT – KAITAIA
NZNP	NEW PLYMOUTH AIRPORT – NEW PLYMOUTH
NZNR	NAPIER
NZNS	NELSON
NZNV	INVERCARGILL
NZOH	OHAKEA AIRBASE (RNZAF) – OHAKEA
NZPG	PEGASUS BLUE ICE RUNWAY
NZPM	PALMERSTON NORTH
NZQN	QUEENSTOWN
NZRO	ROTORUA AIRPORT – ROTORUA
NZTB	TERRA NOVA BAY
NZTG	TAURANGA AIRPORT – TAURANGA
NZTU	RICHARD PEARSE AIRPORT TIMARU
NZWB	WOODBOURNE AIRPORT - BLENHEIM (ICAO CODEALSO LISTED AS NZBM)
NZWF	WANAKA AIRPORT – WANAKA
NZWN	WELLINGTON
NZWP	WHENUAPAI (MIL)
NZWR	WHANGAREI AIRPORT – WHANGAREI
NZWU	WANGANUI AIRPORT – WANGANUI
OBBI	BAHRAIN INTERNATIONAL AIRPORT – MANAMA
OEDF	KING FAHD INTERNATIONAL AIRPORT – DAMMAM
OEDR	KINGABDULAZIZ AIR BASE (FORMERLY DHAHRAN INTE
OEJN	KING ABDULAZIZ INTERNATIONAL AIRPORT – JEDDAH
OERK	KING KHALID INTERNATIONAL AIRPORT – RIYADH
OERY	RIYADH
OJAI	QUEEN ALIA INTERNATIONAL AIRPORT – AMMAN
OJAM	MARKA INTERNATIONAL AIRPORT – AMMAN
ОКВК	KUWAIT INTERNATIONAL AIRPORT – AL-MAQWA, NEAR KUWAIT CITY
OMAA	ABU DHABI INTERNATIONAL AIRPORT – ABU DHABI
OMAD	BATEEN
OMAL	AL AIN INTERNATIONAL AIRPORT – AL AIN
OMDB	DUBAI
OMDM	MINHAD AB
OMDW	AL MAKTOUM (DUBAI)
OMFJ	FUJAIRAH INTERNATIONAL AIRPORT – FUJAIRAH
OMSJ	SHARJAH INTERNATIONAL AIRPORT – SHARJAH
OOMS	SEEB INTERNATIONAL AIRPORT - MUSCAT
OPIS	ISLAMABAD INTERNATIONAL AIRPORT
OPKC	JINNAH INTERNATIONAL AIRPORT – KARACHI
OPLA	ALLAMA IQBAL INTERNATIONAL AIRPORT – LAHORE
OTBD	DOHA INTERNATIONAL AIRPORT – DOHA
ОТНН	HAMAD INTERNATIONAL AIRPORT
PAFA	FAIRBANKS
PANC	ANCHORAGE
PGSN	SAIPAN ISLAND

ICAO Code	Airport/City Name
PGUA	GUAM AFB (ANDERSON)
PGUM	AGANA
PHIK	HICKHAM AIRFORCE BASE
PHJR	KALAELOA AIRPORT (JOHN RODGERS FIELD) –KAPOLEI, HAWAII
PHKO	KAILUA-KONA
PHLI	LIHU'E AIRPORT – LIHUE, HAWAII
PHNG	KANEOHE BAY
PHNL	HONOLULU
PHOG	KAHULUI
PKMJ	MAJURO
PKWA	KWAJALEIN AIRPORT – KWAJALEIN
PTKK	CHUUK AIRPORT - CHUUK, FEDERATED STATESOF MICRONESIA
PTPN	POHNPEI
PTRO	BABELTHUAP ISL
PTYA	YAP ISL
RCKH	KAOHSIUNG
RCMQ	CHING CHUAN KANG
RCNN	TAINAN
RCSS	TAIBEI/SONGSHAN
RCTP	TAIBEI CITY/TAIBEI INTL AP
RJAA	TOKYO/NEW TOKYO INTL
RJBB	KANSAI
RJBE	KOBE AIRPORT – KOBE, HYOGO
RJCB	OBIHIRO AIRPORT (TOKACHI-OBIHIRO) – OBIHIRO, HOKKAIDO
RJCC	SAPPORO
RJFF	FUKUOKA
RJFK	KAGOSHIMA
RJFM	MIYAZAKI AIRPORT - MIYAZAKI, MIYAZAKI
RJFO	OITA AIRPORT – MUSASHI, OITA
RJFR	KITAKYUSHU AIRPORT – KITAKYUSHU, FUKUOKA
RJFT	KUMAMOTO AIRPORT – MASHIKI, KUMAMOTO
RJFU	NAGASAKI AIRPORT - OMURA, NAGASAKI
RJGG	CHUBU CENTRAIR INTERNATIONAL AIRPORT (CENTRAL JAPAN) - NAGOYA, AICHI
RJNA	NAGOYA AIRPORT (KOMAKI) – NAGOYA, AICHI
RJNK	KOMATSU AIRPORT – KOMATSU, ISHIKAWA
RJNN	NAGOYA
RJOA	HIROSHIMA AIRPORT – MIHARA, HIROSHIMA
RJOB	OKAYAMA AIRPORT – OKAYAMA, OKAYAMA
RJOI	IWAKUNI
RJOO	OSAKA INTERNATIONAL AIRPORT (ITAMI) – ITAMI, HYOGO
RJOS	TOKUSHIMA AIRPORT – MATSUSHIGE, TOKUSHIMA
RJSF	FUKUSHIMA AIRPORT – TAMAKAWA, FUKUSHIMA
RJSK	AKITA AIRPORT – AKITA, AKITA
RJSM	MISAWA AIR BASE / MISAWA AIRPORT - MISAWA, AOMORI
RJSN	NUGATA
RJSS	SENDAI AIRPORT - NATORI, MIYAGI (NEAR SENDAI)
RJTT	TOKYO/INTL
RJTY	YOKOTA
RKNY	YANGYANG
RKPC	JEJU INTERNATIONAL AIRPORT – JEJU
RKPK	GIMHAE INTERNATIONAL AIRPORT – PUSAN
RKSI	INCHON

ICAO Code	Airport/City Name
RKSM	SEOUL
RKSO	OSAN
RKSS	GIMPO AIRPORT – GIMPO
RKTH	POHANG AIRPORT – POHANG
RKTN	DAEGU AIRPORT – DAEGU
RKTY	YECHEON, KOREA (SOUTH),
ROAH	NAHA RYUKYU IS
RODN	KADENA
RPLB	SUBIC BAY
RPLC	DIOSDADO MACAPAGAL INTERNATIONAL AIRPORT (CLARK INTERNATIONAL AIRPORT) – ANGELES
RPLL	MANILA
RPMD	DAVAO
RPMR	ROMBLON, TABLAS IS.
RPVB	BACOLOD
RPVI	ILOILO AIRPORT - PHILLIPINES
RPVM	LAPU-LAPU
RPVP	PUERTO PRINCESA (PHILLIPINES)
SAEZ	BUENOS AIRES,MINISTRO PISTARINI (EZEIZA),BA
SAWG	PILOTO CIVIL N. FERNÁNDEZ AIRPORT – RÍOGALLEGOS, SANTA CRUZ PROVINCE
SAWH	USHUAIA INTERNATIONAL AIRPORT – USHUAIA, TIERRA DEL FUEGO PROVINCE
SCCI	CARLOS IBANEZ DEL CAMPO INTERNATIONAL AIRPORT – PUNTA ARENAS
SCEL	SANTIAGO
SCIP	MATAVERI INTERNATIONAL AIRPORT – EASTERISLAND (ISLA DE PASCUA)
SVCR	JOSE LEONARDO CHIRINOS AIRPORT – CORO, FALCÓN
TBPB	BARBADOS
TLPL	ST LUCIA
UAAA	ALMATY AIRPORT ALMATY, KAZAKHSTAN
UBBB	BAKU
UHHH	NOVY AIRPORT - KHABAROVSK, RUSSIA
UHSS	YUZHNO-SAKHALINSK AIRPORT – YUZHNO-SAKHALINSK, RUSSIA
UHWW	VLADIVOSTOK INTERNATIONAL AIRPORT – VLADIVOSTOK, RUSSIA
UIBB	BRATSK AIRPORT – BRATSK, RUSSIA
UIII	IRKUTSK INTERNATIONAL AIRPORT – IRKUTSK,RUSSIA
UNKL	KRASNOYARSK YEMELYANOVO AIRPORT – KRASNOYARSK, RUSSIA
UNNT	NOVOSIBIRSK TOLMACHEVO AIRPORT – NOVOSIBIRSK, RUSSIA
UWLW	VOSTOCHNY AIRPORT – ULYANOVSK, RUSSIA
VAAH	SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT (AHMADABAD AIRPORT) – AHMEDABAD
VABB	MUMBAI, INDIA
VAGO	DABOLIM AIRPORT (GOA AIRPORT) / DABOLIMNAVY AIRBASE - DABOLIM
VCBI	COLOMBO BANDARANAIKE
VCCC	COLOMBO
VCRI	MATTALA RAJAPAKSA (SRI LANKA)
VDPP	PHNOM PENH INTERNATIONAL AIRPORT (POCHENTONG INTERNATIONAL) - PHNOM PENH
VDSR	ANGKOR INTERNATIONAL AIRPORT - SIEM REAP
VDSV	SIEM REAP-ANGKOR (CAMBODIA)
VECC	CALCUTTA
VGHS	SHAHJALAL - BANGLIDESH
VGZR	DHAKA ZIA INTL
VHHH	HONG KONG
VIDP	DELHI INDIRA GANDHI
VLLB	LUANG PHABANG INTL

ICAO Code	Airport/City Name
VLVT	WATTAY INTERNATIONAL AIRPORT - VIENTIANE(VIANGCHAN)
VMMC	MACAU
VNKT	TRIBHUVAN INTERNATIONAL AIRPORT – KATHMANDU
VOBG	HAL BANGALORE INTERNATIONAL AIRPORT (HINDUSTAN AIRPORT) – BANGALORE
VOBL	KEMPEGOWDA
VOCI	COCHIN INTERNATIONAL AIRPORT (KOCHI INT'L) – K
VOHY	BEGUMPET AIRPORT (HYDERABAD AIRPORT) - HYDERABAD / BEGUMPET
VOMM	CHENNAI INTERNATIONAL AIRPORT - CHENNAI/ MADRAS
VRDA	PARO
VRMG	GAN INTERNATIONAL AIRPORT - GAN ISLAND, SEENU ATOLL
VRMM	MALE
VTBD	BANGKOK
VTBS	SATTAHIP AIRPORT
VTBU	RAYONG
VTCC	CHIANG MAI INTERNATIONAL AIRPORT - CHIANG MAI
VTCT	CHIANG RAI INTERNATIONAL AIRPORT - CHIANG RAI
VTPH	HUA HIN AIRPORT – HUA HIN / PRACHUAP KHIRI KHAN
VTSB	SURAT THANI AIRPORT - SURAT THANI
VTSG	KRABI AIRPORT – KRABI
VTSM	SAMUI AIRPORT – KHO SAMUI (KO SAMUI)
VTSP	PHUKET
VTSS	HAT YAI INTERNATIONAL AIRPORT - HAT YAI/ SONGKHLA
VTUK	KHON KAEN AIRPORT – KHON KAEN
VVCT	CAN THO
VVDN	DA NANG INTERNATIONAL AIRPORT - DA NANG
VVNB	HANOI NOIBAI
WPQ	KIEN GIANG/PHU QUOC INTERNATIONA
WTS	HOCHIMINH
VVVD	VAN DON INTERNATIONAL AIRPORT
VYYY	YANGON INTERNATIONAL AIRPORT – YANGON /MINGALADON (RANGOON)
WAAA	HASANUDDIN AIRPORT - MAKASSAR / UJUNG PANDANG, SOUTH SULAWESI
WABB	BIAK
WABP	TIMIKA
WADA	MATARAM/SELAPARANG
WADD	NGURAH RAI INTERNATIONAL AIRPORT
WADL	LOMBOK
WAHH	YOGYAKARTA
WAHQ	YOGYAKARTA
WAJJ	SOLO
WAKK	JAYAPURA SENTANI MERAUKE
WALL	SEPINGGAN INTERNATIONAL AIRPORT – BALIKPAPAN, EAST KALIMANTAN
WALR	TARAKAN
WAMM	MANADO
WAPI	SAUMLAKI AIRPORT – SAUMLAKI
WAPP	PATTIMURA AIRPORT – AMBON, MALUKU
WARJ	YOGYAKARTA
WARQ	KISAR (LOCAL GOV)
WARR	SURABAYA
WARS	SEMARANG
WASR	RENDANI AIRPORT – MANOKWARI
WASS	JEFMAN AIRPORT – SORONG

ICAO Code	Airport/City Name
WATT	KUPANG EL TARI
WBGG	KUCHING
WBGR	MIRI
WBKK	KOTA KINABALU
WBKL	LABUAN RMAF – LABUAN, MALAYSIA
WBKW	TAWAU INTERNATIONAL AIRPORT – TAWAU, SABAH, MALAYSIA
WBSB	BANDAR SERI BEGAWAN
WIBB	SULTAN SYARIF KASIM II AIRPORT (SIMPANGTIGA AIRPORT) – PEKANBARU, RIAU
WICC	BANDUNG
WIDD	HANG NADIM AIRPORT – BATAM, RIAU ISLANDS
WIEE	SUMATRA - INDONESIA
WIHH	HALIM PERDANAKUSUMA INTL
WIII	JAKARTA
WIKB	BATAM/HANG NADIM
WIMM	MEDAN
WIOO	SUPADIO AIRPORT – PONTIANAK, WEST KALIMANTAN
WIPP	SULTAN MAHMUD BADARUDDIN II AIRPORT – PALEMBANG, SOUTH SUMATRA
WIPT	MINANGKABAU INTERNATIONAL AIRPORT
WITT	BANDA ACEH
WMKB	KOTA BELUD BUTTERWORTH
WMKJ	JOHOR BAHRU
WMKK	KUALA LUMPUR/INTL
WMKL	LANGKAWI
WMKP	PENANG
WMSA	SUBANG/SULTAN ABDUL AZIZ SHAH AIRPORT
WPDB	SUAI AIRPORT – SUAI
WPDL	DILI
WPEC	BAUCAU AIRPORT – BAUCAU
WRKK	KUPANG/ELTARI
WRLL	BALIKPAPAN/SEPINGGAN
WRRA	SELAPARANG AIRPORT - MATARAM, WEST NUSATENGGARA
WRRR	BALI INTL/NGURAH RAI
WRSJ	SURABAYA INDONESIA
WRSQ	SOLO/ADI SUMARMO WIRYOKUSUMO
WRSS	SURABAYA/GEDANGAN
WRTB	SURABAYA/GEDANGAN
WRTT	SURABAYA/GEDANGAN
WSAP	PAYA LEBAR (RSAF)
WSSL	SELETAR
WSSS	SINGAPORE CHANGI
YAFD	ALFRED HOSPITAL
YAMB	AMBERLEY
YARG	ARGYLE
YAYE	AYERS ROCK
YBAF	ARCHERFIELD
YBAS	ALICE SPRINGS
YBBN	BRISBANE
YBCG	COOLANGATTA
YBCS	CAIRNS
YBHI	BROKEN HILL
YBHM	HAMILTON ISLAND
YBMA	MOUNT ISA

ICAO Code	Airport/City Name
YBMC	SUNSHINE COAST AIRPORT
YBMK	MACKAY
YBNA	BALLINA
YBRK	ROCKHAMPTON
YBRM	BROOME
YBSU	SUNSHINE COAST
YBTL	TOWNSVILLE
YBUF	BUFFALO VENTURE
YBWP	WEIPA
YBWW	WELLCAMP
YBYU	BAYU UNDAN
YCBG	CAMBRIDGE
YCFS	COFFS HARBOUR
YCIN	CURTIN
YDBY	DERBY
YEML	EMERALD
YGLA	GLADSTONE
YHID	HORN ISLAND
YLEO	LEONORA
YLHI	LORD HOWE IS
YMAV	AVALON
YMAY	ALBURY
YMEK	MEEKATHARRA
YMEN	ESSENDON
YMES	EAST SALE
YMHB	HOBART
YMLT	LAUNCESTON
YMMB	MOORABBIN
YMML	MELBOURNE
YMVE	MODEC VENTURE
YNEN	NORTHERN ENDEAVOUR
YPAD	ADELAIDE
YPCC	COCOS (KEELING) IS
YPDN	DARWIN DARWIN
YPEA	PEARCE
YPED	EDINBURGH
YPGV YPJT	GOVE
	JANDAKOT
YPKA	KARRATHA
YPKG	KALGOORLIE/BOULDER
YPKU	KUNUNURRA
YPLM	LEARMONTH
YPPD	PORT HEDLAND
YPPH	PERTH
YPTN	TINDAL
YPWR	WOOMERA
YPXM	CHRISTMAS IS
YRED	REDCLIFFE
YSBK	BANKSTOWN
YSCB	CANBERRA
YSCH	COFFS HARBOUR AIRPORT
YSII	SAIBAI IS

ICAO Code	Airport/City Name
YSNF	NORFOLK IS
YSNW	NOWRA
YSRI	RICHMOND
YSSY	SYDNEY
YSTW	TAMWORTH
YTST	MUNGALALU-TRUSCOTT
YTTI	TROUGHTON IS
YTUD	THURSDAY IS
YWLM	WILLIAMTOWN
YWYY	WYNYARD
ZBAA	BEIJING CAPITAL INTERNATIONAL AIRPORT -BEIJING
ZBBB	BEIJING
ZBHH	HOHHOT BAITA INTERNATIONAL AIRPORT – HOHHOT, INNER MONGOLIA
ZBTJ	BINHAI, TIANJIN, CHINA
ZBYN	TAIYUAN WUSU AIRPORT - TAIYUAN, SHANXI
ZGGG	GUANGZHOU
ZGKL	GUILIN LIANGJIANG INTERNATIONAL AIRPORT- GUILIN, GUANGXI
ZGSD	ZHUHAI INTERNATIONAL AIRPORT ZHUHAI, GUANGDONG
ZGSZ	SHENZHEN HUANGTIAN
ZHCC	ZHENGZHOU XINZHENG INTERNATIONAL AIRPORT- ZHENGZHOU, HENAN
ZHHH	WUHAN TIANHE AIRPORT – WUHAN, HUBEI
ZJHK	HAIKOU MEILAN INTERNATIONAL AIRPORT -HAIKOU, HAINAN
ZJSY	SANYA
ZLXY	XI'AN XIANYANG INTERNATIONAL AIRPORT - XI'AN, SHAANXI
ZMUB	BUYANT-UKHAA INTERNATIONAL AIRPORT – ULAANBAATAR
ZPPP	KUNMING WUJIABA INTERNATIONAL AIRPORT -KUNMING, YUNNAN
ZSAM	XIAMEN GAOQI INTERNATIONAL AIRPORT – XIAMEN, FUJIAN
ZSFZ	FUZHOU CHENGLE INTERNATIONAL AIRPORT - FUZHOU, FUJIAN
ZSHC	HANGZHOU
ZSNB	NINGBO LISHE INTERNATIONAL AIRPORT – NINGBO, ZHEJIANG
ZSNJ	NANJING LUKOU INTERNATIONAL AIRPORT - NANJING, JIANGSU
ZSPD	PUDONG, S/HAI CHINA
ZSQD	QINGDAO LIUTING INTERNATIONAL AIRPORT -QINGDAO, SHANDONG
ZSSS	SHANGHAI HONGQIAO AIRPORT – SHANGHAI
ZSYT	YANTAI LAISHAN AIRPORT – YANTAI, SHANDONG
ZUCK	CHONGQING JIANGBEI INTERNATIONAL AIRPORT- CHONGQING
ZUUU	CHENGDU SHUANGLIU INTERNATIONAL AIRPORT- CHENGDU, SICHUAN
ZYTX	SHENYANG TAOXIAN INTERNATIONAL AIRPORT -SHENYANG, LIAONING