
Schedule – Services (continued)

Global ATM

A. Services

1. Telstra Incorporated's Global ATM Service ("GATM Service") is a cell-switched data carriage network connecting intelligent end-points in 27 international countries consisting of:
 - Global ATM Access Port ("Port") is the physical connection to the ATM network and defines the maximum rate which the Customer can transmit data to and from the ATM network. At least two Global ATM Ports providing support for standards-based digital data streams in the format required by the ATM protocol defines a Global ATM network. The following Ports are available: NxT1/E1 (where N=1 through 8), DS3/E3, STM1/OC3.
 - Virtual Circuits ("VCs") are logical connections between two physical Ports within the GATM network. VCs have classes of service ("Classes of Service"), each with a different pricing model and transmission characteristics. The Class of Service allows the GATM switches to prioritize and process each VC according to its quality of service needs. All VCs are priced on a unidirectional ("Simplex") basis. The following Class of Service options are available:
 - Constant Bit Rate (CBR)
 - Variable Bit Rate – non real time (VBR-nrt) Option 1, 2 and 3.
2. Interconnection or gateway services that support the transmission of data between disparate Telstra Incorporated Services are not included in GATM Service.
3. The Telstra Incorporated GATM Backbone Network means all equipment, including nodes and circuits, up to and including the entry and exit ports connected to the Customer's Premises equipment. It does not include:
 - the local loop circuit connecting the Customer site to the Telstra Incorporated GATM Backbone Network;
 - any equipment located on the Customer Premises;
 - CSU/DSUs connecting the Customer site to the local loop circuit; and
 - Interconnection equipment between the local loop circuit and the Customer's Port on the Telstra Incorporated GATM Network.
4. Additional Charges apply for Link for GATM reports at the price of \$300/month and \$300/installation.
5. **Global ATM Access Port**
 - a. **Service:** GATM Port Service includes a dedicated network Port only.

- b. **GATM to Frame Relay Internetworking:** If the Customer chooses this option, a GATM to Frame Relay Internetworking Charge will apply to every Port that provides GATM to Frame Relay Internetworking service. Additional installation and/or deinstallation Charges per Port may apply.
 - c. **Configuration Change Charges:** Customer-requested configuration changes are charged on a per configuration change basis. Changes required due to the installation of a new Port will not incur the configuration change fee within 30 days after the Port RFU Date (as defined in Part D.4. of this Schedule 1). The following are, without limitation, examples of configuration changes which may incur additional Charges:
 - Changes to GATM interface parameters;
 - Protocol additions or changes;
 - Reconfiguration of Customer's Premises router or switch;
 - Customer-requested upgrades to Customer's Premises router software;
 - Changes to previously assigned Class C or B network addresses (Class B addresses must be provided by the Customer);
 - Addition of a Class C or B network address;
 - Minimal Port change associated with a special Port speed upgrade (all other upgrades will be charged the standard Port Installation Charge when a telecommunications line change is required); and
 - Migration of a Port from another Telstra Incorporated Service.
 - d. **IP Address Change:** If Telstra Incorporated must obtain a registered Class C IP Address for Customer's usage, a one-time non-recurring administration Charge is applicable per Class C subnet address.
 - e. **Service Availability:** Availability of GATM Service varies according to the location and local in-country regulations.
6. **Virtual Circuit/Virtual Path (VC/VP)**
- a. VC service is based on unidirectional traffic flows allowing Sustained Cell Rate ("SCR") to be specified by direction of data transfer. While typically symmetrical in design, each Simplex VC is priced separately. Both Simplex VCs must have the same Class of Service.
 - b. The maximum service category a Simplex VC may have within a Virtual Path (VP) is equal to the service category subscribed to on the VP.
 - c. Intranodal Simplex VC's (VC's within a single POP) are priced at the VC Band A level.
 - d. Constant Bit Rate (CBR) – Terms and Conditions:



- The Constant Bit Rate (“CBR”) service category is intended to support real-time applications requiring tightly constrained Cell Transfer Delay (“CTD”) and Cell Delay Variation (“CDV”) e.g. voice, video or circuit emulation but is not restricted to these applications. CBR service bandwidth is characterized by a Peak Cell Rate (“PCR”). The source may emit cells at or below the PCR at any time and for any duration (or may be silent). It is assumed that cells, which are delayed beyond the value specified by maximum Cell Transfer Delay, may be of significantly less value to the application;
- Peak Cell Rate (“PCR”) is specified at network subscription time for each Virtual Circuit (“VC”) or Virtual Path (“VP”); and
- Minimum VC PCR is 151 cells per second (equivalent to 64 Kbps). All data rates that are shown in Kbps will be converted to the nearest cell rate practicable for the physical interface type. VC CBR service is priced based on VC Price Band and PCR.

7. Non real-time Variable Bit Rate (VBR-nrt)

- The non-real-time Variable Bit Rate (“VBR-nrt”) service category is intended for non-real-time applications that have bursty traffic characteristics and do not have tight constraints on delay and delay variation. Traffic parameters are Peak Cell Rate (“PCR”), Sustainable Cell Rate (“SCR”) and Maximum Burst Size (“MBS”). For those cells that are transferred within the SCR traffic contract, the application expects a low Cell Loss Ratio (“CLR”). No cell delay traffic parameters may be specified for the VBR-nrt service category. Non-real-time VBR service may support statistical multiplexing of connections.
- SCR is specified at network subscription time for each VC or VP. The sum of the VC or VP SCR at any network Port may exceed the capacity of the Port; however, CLR may be impacted and is not guaranteed.
- The PCR and MBS for any VC will be fixed with respect to the subscribed to SCR for that VC or VP. The PCR and MBS values provided are:

	Option 1		Option 2		Option 3	
SCR	PCR*:SC R	MBS	PCR*:SC R	MBS	PCR*:SC R	MBS
(Kbps)	(Kbps)	(Cells)	(Kbps)	(Cells)	(Kbps)	(Cells)
64-383	3:1	128	3.5:1	256	4:1	512
384-1535	2.5:1	256	3:1	512	3.5:1	512
1536-8191	2:1	256	2.5:1	512	3:1	1024
8192-24576	1.5:1	512	2:1	1024	2.5:1	2048
Price	VBR-nrt Option 1		VBR-nrt Option 2		VBR-nrt Option 3	

*The PCR for each Simplex PVC between two Ports cannot be higher than the lower of the two Port speeds, and may be capped at a lower speed determined by the SCR provisioned on the Simplex VC between these two Ports. All data rates that are shown in Kbps will be converted to the nearest cell rate practicable for the interface type. Burst Options are specified per Simplex VC/VP and may be asymmetric.

- Minimum VC/VP SCR is 151 cells per second (equivalent to 64 Kbps). VC/VP VBR-nrt service is priced based on VC/VP Price Band, PCR, SCR and MBS.



B. Performance Standards

- Monitoring Telstra Incorporated's adherence to the following Performance Standards is the Customer's responsibility and claims for rebates must be made in accordance with this Schedule 1.
- Any service credits will be provided to the Customer by means of a credit for the amount of the service credit applied to the Customer's account for the affected Services in the next billing period following Telstra Incorporated's confirmation of the Customer's entitlement to such rebates. No service credits will be refunded or paid directly to the Customer.
- The following Performance Standards for GATM are subject to Section 4 of this Agreement and the Exclusions set forth in this Schedule.
- Performance Standards are provided for GATM for:
 - Network Site Availability
 - Backbone Network Transit relay
 - Network VC Throughput

1. Network Site Availability

- a. The "Network Site Availability" percentage is calculated as the number of hours the GATM Service is available for use by the Customer at a specific site, divided by the total number of hours in the calendar month, multiplied by 100. The performance of both the GATM Port and VC(s) providing service to a Customer's site are included in the determination of Network Site Availability.
- b. A site is available ("Available") if communications are possible with the network on one or more of the Customer's VCs. A site is unavailable ("Unavailable") if a Customer Port is down or isolated from the network or if all site VCs are down at the same time, subject to the Exclusions set forth in this Schedule 1. All hours in which a specific site is Unavailable and for which the Customer is claiming a rebate or credit in accordance with this Schedule 1 must be documented in a Telstra Incorporated trouble ticket. The minimum duration of Unavailability which may be documented in a Telstra Incorporated trouble ticket is one (1) minute.
- c. Telstra Incorporated will aim to provide a Network Site Availability objective of 99.98% within each calendar month for each Customer GATM site in those countries listed in Section 1 of Exhibit A to this Schedule 1.
- d. Telstra Incorporated will aim to provide a Network Site Availability objective of ninety-nine one one-half percent (99.5%) within each calendar month for each Customer GATM site in those countries listed in Section 2 of Exhibit A to this Schedule 1.
- e. Telstra Incorporated will aim to provide a Network Site Availability objective of ninety-nine percent (99.0%) within each calendar month for each Customer GATM site in those countries listed in Section 3 of Exhibit A to this Schedule 1.



- f. From time to time Telstra Incorporated may update Exhibit A of this Schedule 1 upon notice to the Customer.
- g. Local Access Loop Services are not included in any calculation of Network Site Availability.
- h. Only network outages documented in Telstra Incorporated trouble tickets are included in Network Site Availability calculations. Trouble tickets opened later than three (3) days (or 72 hours) from the outage occurrence and trouble tickets opened for degraded service, such as slow data transmission, will not be included in the Network Site Availability calculations. Telstra Incorporated trouble tickets are listed on a Time to Repair Trouble Ticket Report.
- i. At the Customer's written request and within twenty (20) days following the end of a calendar month, Telstra Incorporated will calculate the Customer's calendar month Network Site Availability for the previous month. In the event that the Network Site Availability is not met in a calendar month, Telstra Incorporated will, upon Customer's written request, credit the Customer's account for the prorated charges for 1/60th of the Telstra Incorporated monthly Port Service Charges and 1/60th of the monthly VC Service Charges, for each cumulative hour of Customer site Unavailability or fraction thereof below the Network Site Availability objective. Hours of Unavailability are rounded to two decimal places.

- For example, where the Unavailability for a 99.98% Network Site Availability objective in one month is 1 hour 15 minutes (1.25 hours), the monthly Port Service Charge is \$1,000/month and the monthly VC Service Charges are \$10,000/month, the credit would be calculated as follows:

$$(\$1,000 / 60 + \$10,000/60) \times (1.25 - .15) = \text{Network Site Availability credit of } \$201.67$$

- For example, where the Unavailability for a 99.5% Network Site Availability objective in one month is 5 hours 20 minutes (5.33 hours), the monthly Port Service Charge is \$1,000/month and the monthly VC Service Charges are \$10,000/month, the credit would be calculated as follows:

$$\$1,000 / 60 + \$10,000/60) \times (5.33 - 3.65) = \text{Network Site Availability credit of } \$308.00$$

Note: 99.5% Availability is the equivalent of 3.65 hours of Unavailability per month. This is based on the following calculation: 365 days per year x 24 hours per day / 12 months per year = 730 hours per month. Unavailability of 0.05% x 730 hours = 3.65 hours per month of Unavailability.

- For example, where the Unavailability for a 99.0% Network Site Availability objective in one month is 10 hours 45 minutes (10.75 hours), the monthly Port Service Charge is \$1,000/month and the monthly VC Service Charges are \$10,000/month, the credit would be calculated as follows:

$$(\$1,000 / 60 + \$10,000/60) \times (10.75 - 7.30) = \text{Network Site Availability credit of } \$632.50$$

Note: 99.0% Availability is the equivalent of 7.30 hours of Unavailability per month. This is based on the following calculation: 365 days per year x 24 hours per day / 12 months per year = 730 hours per month. Unavailability of 0.1% x 730 hours = 7.30 hours per month of Unavailability.



- j. The credits and remedies described in this Part B.1. of this Schedule 1 shall be the sole and exclusive remedy of the Customer in the event of failure to achieve Network Site Availability objectives, and under no circumstance shall failure to achieve such objectives be deemed a breach of this Agreement by Telstra Incorporated.

2. Backbone Network Transit Delay

- a. Backbone Network Transit Delay (Cell Transfer Delay - as defined by the ATM Forum and ITU-T standards) is defined as one-way delay averaged over time (measured by Telstra Incorporated, in milliseconds, from a specific origin to a specific destination, under normal operating conditions and during a specific period of a hour) for a diagnostic cell to transit the Telstra Incorporated GATM Backbone Network. Specially generated delay measurement cells on VCs dedicated to service level monitoring are used to measure Backbone Network Transit Delay.
- b. The specific origins and destinations used to measure Backbone Network Transit Delay objectives shall be the Telstra Incorporated GATM Backbone Network primary nodes for the city pairs defined in Exhibit B to this Schedule 1. Due to on-going changes and improvements to the Telstra Incorporated GATM Backbone Network, such objectives are subject to update and change by Telstra Incorporated. Changes and updates to the Exhibit B Backbone Network Delay objectives will be notified by Telstra Incorporated to the Customer thirty (30) days prior to becoming effective.
- c. In addition to the Exclusions noted in this Schedule 1 and the Exclusion Events, Backbone Network Transit Delay does not include delays caused by the local loop circuit between the GATM Backbone Network node and the Customer site, or by any of the equipment used to interconnect the local loop circuit to the Customer site or Telstra Incorporated GATM Backbone network node equipment.
- d. Backbone Network Transit Delay is calculated hourly and will be reported in future GATM report(s). Only Backbone Network Transit Delay data documented in Telstra Incorporated trouble tickets are included in Backbone Network Transit Delay calculations. Trouble tickets opened later than three (3) days (or 72 hours) from the outage occurrence and trouble tickets opened for degrade services, such as slow data transmission, will be included in the Backbone Network Transit Delay calculations. Telstra Incorporated trouble tickets are listed on a Time to Repair Trouble Ticket Report.
- e. Within twenty-eight (28) days of the end of the calendar month, Customer may request, in writing, the applicable credit for exceeding the thresholds for Backbone Network Transit Delay Non-Qualifying Hours Per Month set forth in Table 1 below.

Table 1: Credits for Backbone Network Transit Delay Objectives

Service Option	Non-Qualifying Hours Per Month	Credit	Customer's Termination Options
CBR	5 to 9	Credit 3% of monthly VC Service Charges	None
	10 or more	Credit 5% of monthly VC Service Charges	After 90 day cure period
rt-VBR	7 to 10	Credit 3% of monthly VC Service Charges	None
	11 or more	Credit 5% of monthly VC Service Charges	After 90 day cure period
nrt-VBR	9 or more	Credit 3% of monthly VC Service Charges	After 90 day cure period



- f. Backbone Network Transit Delay is measured from 0:00 to 00:59, 01:00 to 01:59 etc Greenwich Mean Time ("GMT"). Non-Qualifying Hours are defined as 1-hour periods in which a one-way delay parameter as defined in Exhibit B has been exceeded by five percent (5%) for CBR VCs, ten percent (10%) for rt-VBR VCs, and fifteen percent (15%) for nrt-VBR VCs.
- g. The credits described in this Part B.2. of this Schedule 1 shall be the sole and exclusive remedy of the Customer in the event of failure to achieve Backbone Network Transit Delay objectives. Under no circumstance shall failure to achieve such objectives be deemed a breach of this Agreement by Telstra Incorporated.
- h. Backbone Network Transit Delay is offered to Customer only for Telstra Incorporated's GATM Service in the city pairs specified in Exhibit B to this Schedule 1. Interconnection or gateway services that support the transmission of data between disparate Telstra Incorporated Services are not included in Backbone Network Transit Delay.

3. Network VC Throughput:

- a. Network VC Throughput Cell Delivery Ratio ("CDR") reports the effectiveness of the Telstra Incorporated GATM Backbone Network's ability to transport an offered Customer cell load on a Customer Simplex VC. The CDR is a ratio of cells delivered at egress to cells submitted at ingress on a Simplex VC during the same period of time. CDR applies to Cell Loss Priority (CLP) = 0 traffic. Cells within SCR and Maximum Burst Size for rt-VBR and nrt-VBR traffic types and cells within Peak Cell Rate for CBR traffic type are considered CLP = 0. Interconnection or gateway services that support the transmission of data between disparate Telstra Incorporated Services are not included in CDR. Other Exclusions as set forth in this Schedule 1 apply.
- b. CDR is equivalent to 1 - Cell Loss Ratio in a manner consistent with the ATM Forum and ITU-T standards and practices.
- c. The objective for CDR by GATM Service Option is to equal or exceed the levels as defined in Table 2 below during each hour of the day.

Table 2: CDR Objectives by Service Options

Service Option	CDR
CBR	99.95%
rt-VBR	99.90%
nrt-VBR	99.85%

- d. CDR will be reported in future for GATM reports. Only Cell Delivery Ratio data documented in Telstra Incorporated trouble tickets are included in Cell Delivery Ratio calculations. Trouble tickets opened later than three (3) days (or 72 hours) from the outage occurrence and trouble tickets opened for degrade services, such as slow data transmission, will be included in the Cell Delivery Ratio calculations. Telstra Incorporated trouble tickets are listed on a Time to Repair Trouble Ticket Report.
- e. Within twenty (20) days of the end of the calendar month, Customer may request, in writing, the applicable credit for exceeding the CDR Non-Qualifying Hours Per Month thresholds as defined in Table 3 below.



Table 3: Credits for CDR Objectives

Service Option	Non-Qualifying Hours Per Month	Credit	Customer's Termination Options
CBR	5 to 9	Credit 5% of the monthly Simplex VC Service Charges	None
	10 or more	Credit 15% of the monthly Simplex VC Service Charges	After 90 day cure period
rt-VBR	7 to 10	Credit 5% of the monthly Simplex VC Service Charges	None
	11 or more	Credit 10% of the monthly Simplex VC Service Charges	After 90 day cure period
nrt-VBR	9 or more	Credit 5% of monthly VC Service Charges	After 90 day cure period

- f. CDR is measured from 00:00 to 0:59, 01:00 to 01:59 etc GMT. Non-Qualifying Hours are defined as 1-hour periods in which the Cell Delivery Ratio is below CDR objective for a Simplex VC.
- g. The credits described in this Part B.3. of this Schedule 1 shall be the sole and exclusive remedy of the Customer in the event of failure to achieve Network VC Throughput objectives, and under no circumstance shall failure to achieve such objectives be deemed a breach of this Agreement by Telstra Incorporated.

4. Exclusions

Exclusions to the measurement and calculation of Network Site Availability, Backbone Network Transit Delay, Network VC Throughput and Installation and Upgrade Management performance are set forth in this Agreement and in this Schedule 1 and include, without limitation, the Exclusion Events set forth in the Agreement Terms and the following:

- outages due to scheduled maintenance during the standard maintenance windows (which
- outages and calculations where diverse routing of Customer site backup circuits has not been implemented;
- any outages and calculations for GATM Ports and VCs occurring within the first forty-five (45) days following the RFU Date; and
- lost delay and throughput measurements due to measurement system failures.

Global ATM – Exhibit A – Network Site Availability

Section 1 (99.98% Category)

Australia
United Kingdom
United States

Section 2 (99.5% Category)

Argentina	Luxembourg
Austria	Malaysia
Belgium	Mexico
Brazil	Netherlands
Canada	Norway
Chile	Singapore
Denmark	Spain
Finland	Sweden
France	Switzerland
Germany	
Hong Kong	
Ireland	
Italy	
Japan	
Korea	

Section 3 (99.0% Category)

Israel
India
Czech Republic
Peru

Global ATM – Exhibit B – Hourly GATM Network Round Trip Delays – City Pairs

City A	City B	Delay GATM (msec)
Amstelveen	Barcelona	52
Amstelveen	Bern	51
Amstelveen	Brussels	30
Amstelveen	Chicago	109
Amstelveen	Copenhagen	49
Amstelveen	Docklands	30
Amstelveen	Dublin	32
Amstelveen	Dusseldorf	30
Amstelveen	Frankfurt	30
Amstelveen	Geneva	45
Amstelveen	Hamburg	34
Amstelveen	Helsinki	62
Amstelveen	London	30
Amstelveen	Los Angeles	166
Amstelveen	Luxembourg	30
Amstelveen	Madrid	59

Amstelveen	Milan	35
Amstelveen	Montreal	114
Amstelveen	New York City	98
Amstelveen	Paris	32
Amstelveen	Prague	31
Amstelveen	San Jose (USA)	177
Amstelveen	Seattle	189
Amstelveen	Singapore	207
Amstelveen	Stockholm	49
Amstelveen	Tel Aviv	91
Amstelveen	Toronto	110
Amstelveen	Vienna	34
Amstelveen	Washington DC	96
Amstelveen	Zurich	47
Athens	Brussels	97
Athens	Docklands	92
Athens	Frankfurt	102
Athens	Geneva	133
Athens	London	89
Athens	Milan	120
Athens	Paris	102

Athens	Rome	131
Athens	Zurich	129
Atlanta	Boston	49
Atlanta	Brussels	122
Atlanta	Buenos Aires	209
Atlanta	Chicago	65
Atlanta	Dallas	40
Atlanta	Geneva	149
Atlanta	Houston	40
Atlanta	Los Angeles	81
Atlanta	Madrid	156
Atlanta	Mexico City	96
Atlanta	Montreal	48
Atlanta	New York City	37
Atlanta	Rutherford	38
Atlanta	Sao Paulo	197
Atlanta	Stockholm	155
Atlanta	Toronto	51
Atlanta	Washington DC	30
Atlanta	Zurich	144
Barcelona	Docklands	43

Barcelona	Frankfurt	58
Barcelona	Geneva	90
Barcelona	Hamburg	74
Barcelona	London	50
Barcelona	Madrid	30
Barcelona	Stockholm	85
Barcelona	Toronto	131
Barcelona	Zurich	76
Berlin	Dusseldorf	31
Berlin	Frankfurt	39
Berlin	Hamburg	48
Bern	Dusseldorf	51
Bern	Frankfurt	41
Bern	London	59
Bern	Madrid	98
Bern	Milan	58
Bern	Paris	37
Bern	Rutherford	128
Bern	Stockholm	90
Bern	Sydney	371
Bern	Zurich	30

Boston	Brussels	108
Boston	Chicago	51
Boston	London	102
Boston	Mexico City	89
Boston	New York City	30
Boston	Rutherford	30
Brussels	Chicago	113
Brussels	Docklands	30
Brussels	Frankfurt	33
Brussels	Geneva	64
Brussels	Helsinki	73
Brussels	London	30
Brussels	Luxembourg	30
Brussels	Madrid	61
Brussels	Milan	43
Brussels	New York City	97
Brussels	Oslo	58
Brussels	Paris	30
Brussels	Sao Paulo	284
Brussels	Singapore	232
Brussels	Stockholm	58

Brussels	Sydney	338
Brussels	Toronto	107
Brussels	Zurich	41
Buenos Aires	Los Angeles	254
Buenos Aires	Rio de Janeiro	58
Buenos Aires	San Jose (USA)	257
Buenos Aires	Santiago	53
Buenos Aires	Sao Paulo	65
Buenos Aires	Washington DC	188
Calgary	New York City	133
Calgary	Rutherford	129
Calgary	San Jose (USA)	47
Calgary	Seattle	30
Calgary	Vancouver	30
Chicago	Docklands	105
Chicago	Frankfurt	118
Chicago	Helsinki	158
Chicago	Hong Kong	241
Chicago	London	105
Chicago	Los Angeles	78
Chicago	Mexico City	101

Chicago	Milan	139
Chicago	Munich	126
Chicago	New York City	34
Chicago	Rutherford	32
Chicago	San Jose (USA)	64
Chicago	Seattle	84
Chicago	Stockholm	144
Chicago	Sydney	235
Chicago	Tokyo	173
Chicago	Toronto	47
Chicago	Washington DC	40
Copenhagen	Docklands	45
Copenhagen	Dusseldorf	51
Copenhagen	Frankfurt	59
Copenhagen	Geneva	95
Copenhagen	London	47
Copenhagen	New York City	125
Copenhagen	Oslo	48
Copenhagen	Paris	58
Copenhagen	Rutherford	117
Copenhagen	Stockholm	34

Copenhagen	Toronto	132
Copenhagen	Zurich	76
Dallas	Houston	30
Dallas	Los Angeles	53
Dallas	Mexico City	106
Dallas	New York City	83
Dallas	Rutherford	56
Dallas	San Jose (USA)	62
Dallas	Singapore	261
Dallas	Washington DC	51
Docklands	Dublin	31
Docklands	Dusseldorf	30
Docklands	Frankfurt	30
Docklands	Geneva	56
Docklands	Helsinki	67
Docklands	Hong Kong	257
Docklands	Kuala Lumpur	219
Docklands	London	30
Docklands	Los Angeles	161
Docklands	Madrid	56
Docklands	Milan	47

Docklands	Montreal	103
Docklands	Mumbai	178
Docklands	Munich	36
Docklands	New York City	91
Docklands	Oslo	53
Docklands	Paris	30
Docklands	Rutherford	90
Docklands	San Jose (USA)	166
Docklands	Stockholm	53
Docklands	Sydney	330
Docklands	Tel Aviv	86
Docklands	Toronto	97
Docklands	Vancouver	190
Docklands	Vienna	41
Docklands	Zurich	44
Dublin	Frankfurt	40
Dublin	Geneva	69
Dublin	London	30
Dublin	Los Angeles	172
Dublin	Montreal	116
Dublin	New York City	105

Dublin	Paris	41
Dublin	Toronto	114
Dublin	Zurich	57
Dusseldorf	Frankfurt	30
Dusseldorf	Geneva	46
Dusseldorf	Hamburg	31
Dusseldorf	London	30
Dusseldorf	Madrid	67
Dusseldorf	Milan	33
Dusseldorf	Munich	35
Dusseldorf	New York City	103
Dusseldorf	Paris	37
Dusseldorf	Prague	30
Dusseldorf	Stockholm	59
Dusseldorf	Toronto	121
Dusseldorf	Vienna	34
Dusseldorf	Zurich	43
Frankfurt	Geneva	39
Frankfurt	Hamburg	30
Frankfurt	London	30
Frankfurt	Luxembourg	30

Frankfurt	Madrid	66
Frankfurt	Milan	30
Frankfurt	Munich	30
Frankfurt	New York City	102
Frankfurt	Paris	30
Frankfurt	Prague	30
Frankfurt	Rutherford	94
Frankfurt	San Jose (USA)	177
Frankfurt	Singapore	236
Frankfurt	Stockholm	60
Frankfurt	Sydney	343
Frankfurt	Tokyo	311
Frankfurt	Toronto	110
Frankfurt	Vienna	30
Frankfurt	Zurich	31
Geneva	Hamburg	54
Geneva	Helsinki	119
Geneva	London	64
Geneva	Lyon	33
Geneva	Milan	63
Geneva	Munich	51

Geneva	Oslo	101
Geneva	Paris	40
Geneva	Prague	53
Geneva	Rio de Janeiro	307
Geneva	Sao Paulo	297
Geneva	Seoul	416
Geneva	Singapore	274
Geneva	Tokyo	339
Geneva	Vienna	52
Geneva	Zurich	30
Guatemala	Los Angeles	118
Hamburg	Oslo	81
Hamburg	Sao Paulo	285
Hamburg	Stockholm	76
Hamburg	Zurich	50
Helsinki	London	70
Helsinki	New York City	144
Helsinki	Oslo	52
Helsinki	Paris	81
Helsinki	Singapore	274
Helsinki	Stockholm	30

Helsinki	Zurich	109
Hong Kong	Kuala Lumpur	55
Hong Kong	London	238
Hong Kong	Los Angeles	198
Hong Kong	Montreal	281
Hong Kong	Mumbai	92
Hong Kong	New York City	270
Hong Kong	Osaka	100
Hong Kong	Rutherford	270
Hong Kong	San Jose (USA)	183
Hong Kong	Seoul	73
Hong Kong	Singapore	58
Hong Kong	Sydney	164
Hong Kong	Taipei	36
Hong Kong	Tokyo	73
Hong Kong	Toronto	279
Hong Kong	Vancouver	206
Hong Kong	Zurich	294
Houston	London	135
Houston	Los Angeles	58
Houston	New York City	57

Houston	Oslo	171
Houston	Rutherford	60
Houston	Sao Paulo	219
Houston	Vancouver	90
Kuala Lumpur	London	218
Kuala Lumpur	Los Angeles	240
Kuala Lumpur	New York City	309
Kuala Lumpur	Paris	224
Kuala Lumpur	Seoul	166
Kuala Lumpur	Singapore	30
Kuala Lumpur	Sydney	127
Kuala Lumpur	Taipei	79
Kuala Lumpur	Tokyo	110
Lima	Los Angeles	157
Lima	San Jose (USA)	141
Lima	Santiago	45
Lima	Washington DC	182
London	Los Angeles	160
London	Luxembourg	37
London	Madrid	60
London	Milan	47

London	Mumbai	182
London	Munich	40
London	New York City	97
London	Oslo	51
London	Paris	32
London	Prague	40
London	Rutherford	85
London	San Jose (USA)	167
London	Sao Paulo	264
London	Seoul	368
London	Singapore	220
London	Stockholm	54
London	Sydney	329
London	Taipei	278
London	Tel Aviv	97
London	Tokyo	299
London	Toronto	99
London	Zurich	43
Los Angeles	Mexico City	65
Los Angeles	New York City	81
Los Angeles	Rutherford	81

Los Angeles	San Jose (USA)	30
Los Angeles	Santiago	203
Los Angeles	Sao Paulo	255
Los Angeles	Seattle	41
Los Angeles	Sydney	167
Los Angeles	Taipei	178
Los Angeles	Tokyo	134
Los Angeles	Toronto	96
Los Angeles	Washington DC	88
Luxembourg	Milan	45
Luxembourg	New York City	110
Lyon	Paris	30
Lyon	Toronto	120
Madrid	New York City	134
Madrid	Paris	40
Madrid	Sao Paulo	306
Madrid	Toronto	140
Mexico City	New York City	81
Mexico City	Rutherford	105
Mexico City	San Jose (USA)	74
Mexico City	Toronto	94

Mexico City	Washington DC	74
Milan	Paris	31
Milan	Rome	30
Milan	Stockholm	86
Milan	Toronto	132
Milan	Zurich	48
Montreal	New York City	30
Montreal	Rutherford	30
Montreal	Singapore	305
Montreal	Sydney	257
Montreal	Taipei	267
Montreal	Tokyo	217
Montreal	Toronto	30
New York City	Osaka	230
New York City	Paris	104
New York City	Quito	124
New York City	Rutherford	30
New York City	San Jose (USA)	94
New York City	Santiago	145
New York City	Sao Paulo	179
New York City	Seoul	259

New York City	Singapore	294
New York City	Sydney	241
New York City	Taipei	241
New York City	Tel Aviv	166
New York City	Tokyo	204
New York City	Toronto	30
New York City	Washington DC	30
Osaka	Tokyo	36
Oslo	Rutherford	120
Oslo	Stockholm	30
Oslo	Vancouver	231
Oslo	Zurich	86
Paris	Rome	44
Paris	San Jose (USA)	178
Paris	Singapore	231
Paris	Stockholm	67
Paris	Tel Aviv	121
Paris	Toronto	110
Paris	Vienna	35
Paris	Zurich	30
Prague	Stockholm	68

Prague	Zurich	48
Rio de Janeiro	Rutherford	190
Rio de Janeiro	Santiago	97
Rio de Janeiro	Sao Paulo	30
Rio de Janeiro	Zurich	305
Rutherford	San Jose (USA)	92
Rutherford	Sao Paulo	181
Rutherford	Stockholm	123
Rutherford	Tel Aviv	157
Rutherford	Toronto	30
Rutherford	Washington DC	30
San Jose (USA)	Sao Paulo	265
San Jose (USA)	Seattle	33
San Jose (USA)	Seoul	172
San Jose (USA)	Singapore	207
San Jose (USA)	Sydney	178
San Jose (USA)	Tel Aviv	241
San Jose (USA)	Tokyo	121
San Jose (USA)	Toronto	110
San Jose (USA)	Vancouver	35
San Jose (USA)	Washington DC	100

Santiago	Sao Paulo	102
Santiago	Washington DC	152
Sao Paulo	Washington DC	173
Sao Paulo	Zurich	290
Seattle	Vancouver	30
Seoul	Singapore	149
Seoul	Sydney	178
Seoul	Taipei	97
Seoul	Tokyo	63
Seoul	Zurich	385
Singapore	Sydney	131
Singapore	Taipei	102
Singapore	Tokyo	97
Singapore	Toronto	313
Singapore	Vancouver	235
Singapore	Washington DC	297
Singapore	Zurich	253
Stockholm	Washington DC	134
Sydney	Taipei	160
Sydney	Tokyo	126
Sydney	Toronto	254

Sydney	Vancouver	201
Taipei	Tokyo	43
Taipei	Toronto	251
Tel Aviv	Toronto	171
Tokyo	Toronto	219
Tokyo	Vancouver	144
Tokyo	Zurich	331
Toronto	Vancouver	134
Vienna	Zurich	49
Washington DC	Zurich	121