Attachment A

Data Formatting

All data should be submitted in a .csv (comma-delimited) format. The sheets in the workbook provide a template for how the tables should be designed.

The required format for the entries in each column/field is indicated in the instructions for each sheet. Column entries in **bold red** indicate that the Company should enter only one of the possible entries listed for that column. No other entries should be entered.

Data for all of the tables should be submitted on a periodic basis as specified in the instructions in individual tables.

Formatting Instructions

"Interconnection Data" Tables

<mark>In addition to this worksheet, this file contains the following worksheets:</mark>

      1. Transit Sale Instructions
      2. Transit Sale Template
      3. Transit Purchase Instructions
      4. Transit Purchase Template
      5. Paid Peering Purchases Instructions
      6. Paid Peering Purchases Template
      7. Free Peer Traffic Instructions
      8. Free Peer Traffic Template

Attachment A

Formatting Instructions

"Sales of Transit Service" Table

For each month beginning June 2012 through August 2015, provide data as requested in the table below

In general, this table is intended to provide monthly data on IP transit service that the company sells to the top 20 ISPs in the US, separately by customer.

Notes by Column:

A, B, C: Any variation in Date and Customer Name or DBA Name necessitates the creation of a new, unique record.

E, **F:** Provide a complete explanation of the methodology used to calculate utilization.

Column	Variable Name	Format	Possible Entries/ Example Entries	Description
A	Date	Text - YYYY_MM	**2013_01** to **2015_08**	The month for which the data is being collected.
B	Customer_Name	Text	ABC Technologies, Inc., Other	Name of customer obtaining transit service offered by the Company.
C	Customer_DBA_Name	Text	ABC, Other	Name that customer uses when doing business with the Company.
D	Capacity	Float	500 Mbps	Total traffic volume capacity in megabits per second (Mbps) that customer can send/receive over the Company's network.
E	Utilization_In	Float	280 Mbps	The 95th percentile utilization in Mbps for inbound (ingress) traffic delivered via the Company measured using the average bandwidth utilized during five minute sampling intervals. See note above.
F	Utilization_Out	Float	120 Mbps	The 95th percentile utilization in Mbps for outbound (egress) traffic delivered via the Company measured using the average bandwidth utilized during five minute sampling intervals. See note above.
G	Total_Revenue	Float	$100,000	Total amount of money paid by customer to the Company during the month for transit service.
H	Non_Recurring_Revenue	Float	$20,000	Amount of money paid by customer to the Company for port installation and other charges which are not expected to be incurred on a regular basis in other months.
I	Recurring_Revenue	Float	$80,000	Amount of money other than non-recurring revenue that customer paid the Company during the month. If recurring revenue is contractually determined on an annual basis, divide annual recurring revenue by twelve.
J	Contract_Doc	Text	43589764L	Bates code used to identify the applicable contract in the response to the Information Request.
K	Contract_Start	Text - YYYY_MM	2010_04	Date when transit service arrangement commenced.
L	Contract_End	Text - YYYY_MM	2018_07	Date when transit service arrangement is set to end; **9999** if not applicable.

Attachment A: Template for "Sales of Transit Service" Table

For each month beginning June 2012 and extending through August 2015, please provide the data as requested in the table below.

A	B	C	D	E	F	G	H	I	J	K	L
Date	Customer_Name	Customer_DBA_Name	Capacity	Utilization_In	Utilization_Out	Total_Revenue	Non_Recurring_Revenue	Recurring_Revenue	Contract_Doc	Contract_Start	Contract_End
2014_02	ABC Technologies, Inc.	ABC	500 Mbps	280 Mbps	120 Mbps	$100,000	$20,000	$80,000	43589764L	2010_04	2018_07
...	...	...	...	...	...	...	...	...	...	...	...

Attachment A

Formatting Instructions

"Purchases of Transit Service" Table

For each month beginning June 2012 through August 2015, provide data as requested in the table below.

Data should be provided for all transit providers of the Company.

In general, this table is intended to provide data on transit service that the Company purchases from the top 20 ISP providers in the US, separately by provider.

Notes by Column:

A, B, C: Any variation in Date and Provider Name or DBA Name necessitates the creation of a new, unique record.

E, **F:** Provide a complete explanation of the methodology used to calculate utilization.

Column	Variable Name	Format	Possible Entries/ Example Entries	Description
A	Date	Text - YYYY_MM	**2013_01** to **2015_08**	The month and year for which the data is being collected.
B	Provider_Name	Text	ABC Technologies, Inc., Other	Name of provider selling transit service to the Company.
C	Provider_DBA_Name	Text	ABC, Other	Name that provider uses when doing business with the Company.
D	Capacity	Float	500 Mbps	Total traffic volume capacity in megabits per second (Mbps) that the Company can send/receive over provider's network.
E	Utilization_In	Float	280 Mbps	The 95th percentile utilization in Mbps for inbound (ingress) traffic delivered via provider measured using the average bandwidth utilized during five minute sampling intervals. See note above.
F	Utilization_Out	Float	120 Mbps	The 95th percentile utilization in Mbps for outbound (egress) traffic delivered via provider measured using the average bandwidth utilized during five minute sampling intervals. See note above.
G	Total_Revenue	Float	$100,000	Total amount of money paid by the Company to provider during the month for transit service.
H	Non_Recurring_Revenue	Float	$20,000	Amount of money paid by the Company to provider for port installation and other charges which are not expected to be incurred on a regular basis in other months.
I	Recurring_Revenue	Float	$80,000	Amount of money other than non-recurring revenue that the Company paid provider during the month. If recurring revenue is contractually determined on an annual basis, divide annual recurring revenue by twelve.
J	Contract_Doc	Integer	66789413J	Bates code used to identify the applicable contract in the response to the Information Request.
K	Contract_Start	Text - YYYY_MM	2010_04	Date when transit service arrangement commenced.
L	Contract_End	Text - YYYY_MM	2018_07	Date when transit service arrangement is set to end; **9999** if not applicable.

Attachment A: Template for "Purchases of Transit Service" Table

For each month beginning June 2012 and extending through August 2015, please provide data as requested in the table below.

A Date	B Provider_Name	C Provider_DBA_Name	D Capacity	E Utilization_In	F Utilization_Out	G Total_Revenue	H Non_Recurring_Revenue	I Recurring_Revenue	J Contract_Doc	K Contract_Start	L Contract_End
2013_01	ABC Technologies, Inc.	ABC	500 Mbps	280 Mbps	120 Mbps	$100,000	$20,000	$80,000	66789413J	2010_04	2018_07
...	...	...	...	...	...	...	...	...	...	...	...

Attachment A

Formatting Instructions

"Purchases of Paid Peering" Table

For each month beginning June 2012 through August 2015, provide data as requested in the table below.

Data should be provided for the top 20 ISPs in the US that sell paid peering services to the Company.

In general this table is intended to provide data on paid peering purchased by the Company, separately for each seller.

Notes by Column:

A, B, C: Any variation in Date and Customer Name or DBA Name necessitates the creation of a new, unique record.

E, **F:** Provide a complete explanation of the methodology used to calculate utilization.

Column	Variable Name	Format	Possible Entries/Example Entries	Description
A	Date	Text - YYYY_MM	**2013_01** to **2015_08**	The month and year for which the data is being collected.
B	Customer_Name	Text	ABC Technologies, Inc., Other	Name of ISP selling paid peering to the Company.
C	Customer_DBA_Name	Text	ABC, Other	Name that customer uses when doing business with the Company.
D	Capacity	Float	400,000 Mbps	Total traffic volume capacity in megabits per second (Mbps) that seller can send/receive over the Company's network.
E	Utilization_In	Float	5,000 Mbps	The 95th percentile utilization in Mbps for inbound traffic to the Company network measured using the average bandwidth utilized during five minute sampling intervals. See note above.
F	Utilization_Out	Float	2,500 Mbps	The 95th percentile utilization in Mbps for outbound traffic from the Company network measured using the average bandwidth utilized during five minute sampling intervals. See note above.
G	Total_Revenue	Float	$100,000	Amount of money paid by the Company to the seller during the month for paid peering service.
H	Non_Recurring_Revenue	Float	$20,000	Amount of money paid by the Company to the Customer for port installation and other charges which are not expected to be incurred on a regular basis in other months.
I	Recurring_Revenue	Float	$80,000	Amount of money other than non-recurring revenue that the Company paid during the month. If recurring revenue is contractually determined on an annual basis, divide annual recurring revenue by twelve.
J	Contract_Doc	Text	56984863Q	Bates code used to identify the applicable contract in the response to the Information Request.
K	Contract_Start	Text - YYYY_MM	2010_04	Date when paid peering arrangement commenced.
L	Contract_End	Text - YYYY_MM	2018_07	Date when paid peering arrangement is set to end; **9999** if not applicable.

Attachment A: Template for "Purchases of Paid Peering" Table

For each month beginning June 2012 and extending through August 2015, please provide data as requested in the table below.

A	B	C	D	E	F	G	H	I	J	K	L
Date	Customer_Name	Customer_DBA_Name	Capacity	Utilization_In	Utilization_Out	Total_Revenue	Non_Recurring_Revenue	Recurring_Revenue	Contract_Doc	Contract_Start	Contract_End
2013_01	ABC Technologies, Inc.	ABC	400,000 Mbps	5,000 Mbps	2,500 Mbps	$100,000	$20,000	$80,000	56984863Q	2010_04	2018_07
...	...	...	...	...	...	...	...	...	...	...	...

Attachment A

Formatting Instructions

"Settlement-Free Peering Traffic" Table

For each month beginning June 2012 through August 2015, provide data as requested in the table below.

Data should be provided for each settlement-free peers of the Company who is a top 20 ISP in the US. In general, this table is intended to provide data on traffic

and utilization due to settlement-free peering.

Notes by Column:

A, B, C: Any variation in Date and Peer Name or DBA Peer Name necessitates the creation of a new, unique record.

F, G: Provide a complete explanation of the methodology used to calculate utilization.

Column	Variable Name	Format	Possible Entries/Example Entries	Description
A	Date	Text - YYYY_MM	**2013_01** to **2015_08**	The month and year for which the data is being collected.
B	Peer_Name	Text	ABC Technologies, Inc., Other	Name of settlement-free peer engaged in settlement-free peering with the Company.
C	Peer_DBA_Name	Text	ABC, Other	Name that peer uses when doing business with the Company.
D	Peer_Capacity	Float	400,000 Mbps	Total traffic volume capacity in megabits per second (Mbps) that the Company can send/receive over peer's network without incurring penalty fees.
E	Company_Capacity	Float	400,000 Mbps	Total traffic volume capacity in megabits per second (Mbps) that peer can send/receive over the Company network without incurring penalty fees.
F	Utilization_In	Float	5,000 Mbps	The 95th percentile utilization in Mbps for inbound traffic to the Company network measured using the average bandwidth utilized during five minute sampling intervals. See note above.
G	Utilization_Out	Float	2,500 Mbps	The 95th percentile utilization in Mbps for outbound traffic from the Company network measured using the average bandwidth utilized during five minute sampling intervals. See note above.
H	Peer_Penalty_Fees_Paid	Float	$2,000	Amount of money paid by peer to the Company for penalties or fees incurred during the month.
I	Company_Penalty_Fees_Paid	Float	$2,000	Amount of money paid by the Company to peer for penalties or fees incurred during the month.
J	Contract_Doc	Text	25689743A	Bates number of the applicable contract supplied in response to the Information Request. Use **9999** if there was no contract.
K	Contract_Start	Text - YYYY_MM	2010_04	Date when the applicable settlement-free peering arrangement commenced. Use **9999** if there was no formal arrangement.
L	Contract_End	Text - YYYY_MM	2018_07	Date when the applicable settlement-free peering was set to end. Use **9999** if not applicable.

Attachment A: Template for "Settlement-Free Peering Traffic" Table

For each month beginning June 2012 and extending through August 2015, please provide data as requested in the table below.

A	B	C	D	E	F	G	H	I	J	K	L
Date	Peer_Name	Peer_DBA_Name	Peer_Capacity	Company_Capacity	Utilization_In	Utilization_Out	Peer_Penalty_Fees_Paid	Company_Penalty_Fees_Paid	Contract_Doc	Contract_Start	Contract_End
2013_01	ABC Technologies, Inc.	ABC	400,000 Mbps	400,000 Mbps	5,000 Mbps	2,500 Mbps	$2,000	$2,000	25689743A	2010_04	2018_07
...	...	...	...	...	...	...	...	...	...	...	...