
Office of Utilities Regulation

APPROVAL DOCUMENT

Approval of RIO 6 Revised Tariff Schedule

2017 November 29



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DOCUMENT TITLE AND APPROVAL PAGE

1. DOCUMENT NUMBER: 2017/TEL/016/APD.002

2. DOCUMENT TITLE: Approval of RIO 6 Revised Tariff Schedule

3. PURPOSE OF DOCUMENT

This document represents the Office of Utilities Regulation's approval of Cable & Wireless Jamaica Limited's Reference Interconnection Offer (RIO) 6 Revised Tariff Schedule.

4. ANTECEDENT PUBLICATIONS

Publication Number	Publication Title	Publication Date
2017/TEL/015/ADM.001	Reconsideration of the Office's Decision: Determination Notice "Cost Model for Fixed Termination Rates" Final Decision – Addendum 1	2017 November 6
2017/TEL/013/APD.001	Approval of RIO 6 Revised Tariff Schedule (Withdrawn)	2017 September 29
2017/TEL/007/RCN.001	Reconsideration of the Office's Decision: Determination Notice (2017/TEL/003/DET.001) "Cost Model for Fixed Termination Rates" – Confidential Version	2017 September 8
2017/TEL/007/RCN.002	Reconsideration of the Office's Decision: Determination Notice (2017/TEL/003/DET.001) "Cost Model for Fixed Termination Rates" – Public Version	2017 September 8
2017/TEL/004/DET.002	Cost Model for Fixed Termination Rates – The Decision on Rates – Public Version	2017 June 07
2017/TEL/003/DET.001	Cost Model for Fixed Termination Rates – The Decision on Rates – Confidential Version	2017 June 07
2016/TEL/011/CON.003	Cost Model for Fixed Termination Rates – Draft Model Consultation Document – Public Version	2016 June 22
2016/TEL/010/CON.002	Cost Model for Fixed Termination Rates – Draft Model Consultation Document – Confidential Version	2016 June 22

2015/TEL/006/DET.002	Determination Notice – “Cost Model for Fixed Termination Rates – Principles and Methodology	2015 July 1
2015/TEL/CON.001	Cost Model for Fixed Termination Rates – Principles and Methodology Consultation	2015 January 19

5. Approval

This document is approved by the Office of Utilities Regulation and the decisions therein become effective on **2017 December 1**.

On behalf of the Office:



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Ansord E. Hewitt
Director-General

2017 November 29

The Reference Interconnection Offer 6 Revised Tariff Schedule attached hereto ("**RIO 6 Revised Tariff Schedule**") is issued pursuant to section 32 of the Telecommunications Act (the "**Act**") and sets out the interconnection rates applicable when persons who are licensed to operate a domestic telecommunications network in Jamaica interconnect with the fixed network of Cable & Wireless Jamaica Limited.

RIO 6 Revised Tariff Schedule complies with the provisions of the Act and the determinations made by the Office of Utilities Regulation (the "**Office**") in "Determination Notice for Assessment of RIO 6" Document No: TEL2011002_DET001, "Reconsideration of the Office's Decision: Determination Notice "Assessment of RIO6"" Document No: 2011/TEL/002/DET001/RCN.001, "Decision on Application for Reconsideration of Reconsideration of the Office's Decision: Determination Notice "Assessment of RIO 6"" Document No: 2011/TEL/002/DET001/RCN.002, "Cost Model for Fixed Termination Rates – The Decision on Rates – Confidential Version" Document No: 2017/TEL/003/DET.001, "Cost Model for Fixed Termination Rates – The Decision on Rates – Public Version" Document No: 2017/TEL/004/DET.002, "Reconsideration of the Office's Decision: Determination Notice (2017/TEL/003/DET.001) "Cost Model for Fixed Termination Rates" – Confidential Version" Document No: 2017/TEL/007/RCN.001, "Reconsideration of the Office's Decision: Determination Notice (2017/TEL/003/DET.001) "Cost Model for Fixed Termination Rates" – Public Version" Document No: 2017/TEL/007/RCN.002 and "Reconsideration of the Office's Decision: Determination Notice "Cost Model for Fixed Termination Rates – The Decision on Rates" -Final Decision -Addendum 1" Document No: 2017ITEL/015/ADM.001.

RIO 6 Revised Tariff Schedule is hereby approved by the Office as of, and shall be effective, 2017 December 1.

ATTACHED

CABLE & WIRELESS JAMAICA LIMITED

REFERENCE INTERCONNECTION OFFER 6 REVISED TARIFF SCHEDULE

REFERENCE INTERCONNECT OFFER

INTERCONNECTION AGREEMENT BETWEEN CABLE & WIRELESS JAMAICA LIMITED (C&WJ) AND XXX

Tariff Schedule

Tariff Schedule

All tariffs in this schedule are presented excluding taxes but are subject to taxes at the prevailing rate.

For all tariffs the definition of Peak, Off-Peak and Weekend are as follows:

Peak: 6:00 am to 6:00 pm on weekdays
Off-Peak: 6:00 pm to 6:00 am on weekdays
Weekend: Saturday 12:00 am to Monday 6:00 am

Call Durations are specified in this document as a charge of JAS per 60s. However, pursuant to the terms of the Service Descriptions, Calls will be measured to an accuracy of 1/10th of a second, and the Charges will be the sum of the month's measurements rounded to the nearest minute. Further detail of the billing process and procedures can be found in the Joint Working Manual

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PART 1. JOINING SERVICES

Footway Box Joining Service

The following table provides unit charges of the elements of the investment undertaken by CWJ and the Telco respectively. These unit charges will serve as a basis for calculating the Charges made by each Party for the Non-Footway Box Joining Service in accordance with Clause 9 and the Non-Footway Box Joining Service Description.

	CWJ charges		TELCO charges	
	One-off	Monthly recurring	One-off	Monthly recurring
	J\$	J\$	J\$	J\$
Distance dependent charge per mile with new duct	811,333	141,648	811,333	141,648
Distance dependent charge per mile sharing existing duct	135,684	46,861	135,684	46,861
OC3 (CTU) per unit	Bespoke	Bespoke	Bespoke	Bespoke
OC1 (CTU) per unit	Bespoke	Bespoke	Bespoke	Bespoke
DTC unpopulated rack (per unit, with provision for 20 cards)	53,730	13,260	53,730	13,260
T1 card to fit in DTC rack	37,702	9,266	37,702	9,266
Disconnection from CWJ Interconnect Switch Location	1,065	-	-	-
Footway Box (per box)	Bespoke	Bespoke	Bespoke	Bespoke
Upgrade to higher order carrier system	Bespoke	Bespoke	Bespoke	Bespoke

The following table sets out the Early Termination Charge chargeable pursuant to Paragraph 2.4.2.6 of the Joint Working Manual. The Early Termination Charge is equal to the applicable amounts set out in the table below, multiplied by χ , where χ is the number of months remaining in the five year period commencing on the Ready-for-Service Date of the Relevant Order.

	Early Termination Charge per remaining month JS
Distance dependent charge per mile with new duct	43,825
Distance dependent charge per mile sharing existing duct	14,499
OC3 (CTU) per unit	Bespoke
OC1 (CTU) per unit	Bespoke
DTC unpopulated rack (per unit, with provision for 20 cards)	4,119
T1 card to fit in DTC rack	2,966
Disconnection from CWJ Interconnect Switch Location	-
Upgrade to higher order carrier system	Bespoke

The following table shows the One-off Charges for installation and testing.

	JS
Installation + Testing charge	
1st Joining CTU switch Testing charge	325,896
Cost per Additional CTU	102,242
Service testing charge, per man hour	1,068
Data Amendments to Switch	38,128

The Joining Service charges set out above are applicable only to interconnection at those ISLs listed in the Service Schedule as being available for interconnection. Any request for interconnection outside of those ISLs will be subject to additional charges to be approved by the OUR. The cost associated with making the requested location suitable for interconnection, will be determined on a case by case basis. These costs shall be split 50/50 between the interconnect seeker and interconnect provider in keeping with the interconnect principle of equal responsibility and recognition that interconnection is beneficial to all Parties. If a third Party interconnects at the particular location after CWJ and the original interconnecting Party have shared the cost of doing the upgrade, that third Party should be made to pay the equivalent of one third of the cost of the upgrade with CWJ and the original interconnecting Party sharing the funds from the third party such that their portion of the cost of the upgrade also equates to one third of the full cost. This same principle shall be repeated for each additional interconnect seeker at the particular location resulting in CWJ and all parties interconnecting at that particular location sharing in an equal portion of the cost.

Non-Footway Box Joining Service

The following table provides unit charges of the elements of the investment undertaken by CWJ and the Telco respectively. These unit charges will serve as a basis for calculating the Charges made by each Party for the Non-Footway Box Joining Service in accordance with Clause 9 and the Non-Footway Box Joining Service Description.

	CWJ charges		TELCO charges	
	One-off	Monthly recurring	One-off	Monthly recurring
	J\$	J\$	J\$	J\$
Distance dependent charge per mile with new duct	811,333	141,648	-	-
Distance dependent charge per mile sharing existing duct	135,684	46,861	-	-
OC3 (CTU) per unit	Bespoke	Bespoke	-	-
OC1 (CTU) per unit	Bespoke	Bespoke	-	-
DTC unpopulated rack (per unit, with provision for 20 cards)	53,730	13,260	53,730	13,260
T1 card to fit in DTC rack	37,702	9,266	37,702	9,266
Disconnection from CWJ Interconnect Switch Location	1,065	-	-	-
Upgrade to higher order carrier system	Bespoke	Bespoke	Bespoke	Bespoke

The following table sets out the Early Termination Charge chargeable pursuant to Paragraph 2.4.2.6 of the Joint Working Manual. The Early Termination Charge is equal to the applicable amounts set out in the table below, multiplied by χ , where χ is the number of months remaining in the five year period commencing on the Ready-for-Service Date of the Relevant Order.

	Early Termination Charge per remaining month JS
Distance dependent charge per mile with new duct	43,825
Distance dependent charge per mile sharing existing duct	14,499
OC3 (CTU) per unit	Bespoke
OC1 (CTU) per unit	Bespoke
DTC unpopulated rack (per unit, with provision for 20 cards)	4,119
T1 card to fit in DTC rack	2,966
Disconnection from CWJ Interconnect Switch Location	-
Upgrade to higher order carrier system	Bespoke

The following table shows the One-off Charges for installation and testing.

	JS
Installation + Testing charge	
1st Joining CTU switch Testing charge	325,896
Cost per Additional CTU	102,242
Service testing charge, per man hour	1,068
Data Amendments to Switch	38,128

The Joining Service charges set out above are applicable only to interconnection at those ISLs listed in the Service Schedule as being available for interconnection. Any request for interconnection outside of those ISLs will be subject to additional charges. Telco will be required to pay all costs associated with making the requested location suitable for interconnection, which costs will be determined on a case by case basis.

Small Capacity Joining Services Radio Carrier System (min 12 T1's)

The following table provides unit charges of the elements of the investment undertaken by CWJ. These unit charges will serve as a basis for calculating the Charges made by each Party for the Radio carrier system option of the small capacity joining service in accordance with Clause 9 and the Radio carrier system option of the Small Capacity Joining Service Service Description.

		CWJ charges		TELCO charges	
Max No of		One-off J\$	Monthly recurring J\$	One-off J\$	Monthly recurring J\$
Antennas					
	Radio + Antenna (charge per unit)	Bespoke	Bespoke	-	-
	<u>For Towers built on Standard surface:</u>				
2	80 FT WOOD POLE	Bespoke	Bespoke	Bespoke	Bespoke
3	80 FT MONOPOLE	Bespoke	Bespoke	Bespoke	Bespoke
6	80 FT SELF SUPPORTING, 108-L820-80, 3-LEG	Bespoke	Bespoke	Bespoke	Bespoke
10	120 FT SELF SUPPORTING, 108-L820-120 3-LEG	Bespoke	Bespoke	Bespoke	Bespoke
12	150 FT SELF SUPPORTING, 108M810-150, 4-LEG	Bespoke	Bespoke	Bespoke	Bespoke
	<u>For Towers built on Rock surface:</u>				
2	80 FT WOOD POLE Rock Surface	Bespoke	Bespoke	Bespoke	Bespoke
3	80 FT MONOPOLE Rock Surface	Bespoke	Bespoke	Bespoke	Bespoke
6	80 FT SELF SUPPORTING, 108-L820-80, 3-LEG Rock Surface	Bespoke	Bespoke	Bespoke	Bespoke
10	120 FT SELF SUPPORTING, 108-L820-80, 3-LEG Rock Surface	Bespoke	Bespoke	Bespoke	Bespoke
12	150 FT SELF SUPPORTING, 108M810-150, 4-LEG Rock Surface	Bespoke	Bespoke	Bespoke	Bespoke
	T1 card (including shelf on DTC rack)	Bespoke	Bespoke	-	-
	Installation and Test	Bespoke	-	Bespoke	-

The following table sets out the Early Termination Charge chargeable pursuant to Paragraph 2.4.2.6 of the Joint Working Manual. The Early Termination Charge is equal to the applicable amounts set out in the table below, multiplied by χ , where χ is the number of months remaining in the five year period commencing on the Ready-for-Service Date of the Relevant Order.

	Early Termination Charge per remaining month JS
Radio + Antenna (charge per unit)	19,277
For Towers built on Standard surface:	
80 FT WOOD POLE	3,834
80 FT MONOPOLE	26,732
80 FT SELF SUPPORTING, 108-L820-80M, 3- LEG	41,962
120 FT SELF SUPPORTING, 108-L820-80, 3- LEG	56,233
150 FT SELF SUPPORTING, 108M810-150, 4- LEG	70,185
For Towers built on Rock surface:	
80 FT WOOD POLE Rock Surface	5,538
80 FT MONOPOLE Rock Surface	28,330
80 FT SELF SUPPORTING, 108-L820-80, 3-LEG Rock Surface	43,453
120 FT SELF SUPPORTING, 108-L820-80, 3- LEG Rock Surface	58,150
150 FT SELF SUPPORTING, 108M810-150, 4- LEG Rock Surface	73,060

Copper Carrier System

The following table provides unit charges of the elements of the investment undertaken by CWJ. These unit charges will serve as a basis for calculating the Charges made by each Party for the Copper based HDSL carrier system used for the Small Capacity Joining Service in accordance with Clause 9 and the carrier system used for the Small Capacity Joining Service Service Description.

	One-off J\$	Monthly recurring J\$
Equipment for 1 T1's	10,650	2,556
Equipment for 2 T1's	6,603	1,598
Equipment for 3 T1's	5,219	1,278
Equipment for 4 T1's	4,473	959
Equipment for 5 T1's	4,260	959
Equipment for 6 T1's	3,941	852
Equipment for 7 T1's	3,728	852
Equipment for 8 T1's	3,621	746
Cost per additional T1	3,515	746
Cost per Repeater – every 9000ft	2,876	639
T1 card (including shelf on DTC rack)	40,389	9,929
Distance dependent charge (exclusive duct) Copper	768,839	148,251
Distance dependent charge (shared duct) Copper	113,212	46,648
Overhead Cable New Route per mile	58,470	13,845
Overhead Cable on Existing Route per mile	37,595	8,840

The following table shows the One-off Charges for installation and testing.

	J\$
Installation + Testing charge	
1st Joining T1	19,383
Cost per change	9,692
Service testing charge, per man hour	1,068
Data Amendments to Switch	38,128

The following table sets out the Early Termination Charge chargeable pursuant to Paragraph 2.4.2.6 of the Joint Working Manual. The Early Termination Charge is equal to the applicable amounts set out in the table below, multiplied by χ , where χ is the number of months remaining in the five year period commencing on the Ready-for-Service Date of the Relevant Order.

	Early Termination Charge per remaining month JS
Equipment for 1 T1's	852
Equipment for 2 T1's	533
Equipment for 3 T1's	426
Equipment for 4 T1's	320
Equipment for 5 T1's	320
Equipment for 6 T1's	320
Equipment for 7 T1's	320
Equipment for 8 T1's	320
Cost per additional T1	320
Cost per Repeater - every 9000ft	213
T1 card (including shelf on DTC rack)	3,076
Distance dependent charge (exclusive duct) Copper	42,494
Distance dependent charge (shared duct) Copper	13,845
Overhead Cable on New Route per mile	4,154
Overhead Cable on Existing Route per mile	2,663

PART 1. TERMINATION SERVICES

PSTN Terminating Access Service

Usage Charges

The following tables show the Usage Charges payable by Service Taker to Service Supplier for Calls conveyed pursuant to the PSTN Terminating Access Service.

	Effective December 1, 2017	Effective April 1, 2018
Local (<i>Call duration charge per 60s (J\$)</i>)	\$0.2536	\$0.0939
National (<i>Call duration charge per 60s (J\$)</i>)	\$0.6237	\$0.0958

Fixed to Mobile Retention

The following tables show the Usage Charges which when combined with the PLMN Terminating Access Service tariffs gives the retail rate for PSTN to mobile calls.

Interconnect Specific Charge per 60s J\$
0.112

Local			Regional			National		
Call Setup charge J\$			Call Setup charge J\$			Call Setup charge J\$		
Peak	Off-peak	W-end	Peak	Off-peak	W-end	Peak	Off-peak	W-end
0.281	0.225	0.225	0.384	0.308	0.308	0.604	0.485	0.484

Local			Regional			National		
Call duration charge per 60s J\$			Call duration charge per 60s J\$			Call duration charge per 60s J\$		
Peak	Off-peak	W-end	Peak	Off-peak	W-end	Peak	Off-peak	W-end
0.813	0.653	0.652	1.112	0.893	0.892	1.749	1.404	1.403

In addition to the retention shown above, an additional charge will be included in the retention equal to 8% of the relevant retail rate for calls to mobile.

PLMN Terminating Access Service

Usage Charges

Payable by Service Taker to Service Supplier. In keeping with Determination Notice for Cost Model for Mobile Termination Rates (TEL2013001_DET001), the Usage Charge for the PLMN Terminating Access Service is as follows:

Call duration charge per 60s (J\$)
1.10

Incoming International Call Termination Service on PSTN

The following table shows the Usage Charge payable by Service Taker to Service Supplier for Calls conveyed pursuant to the Incoming International Call Termination Service on PSTN for international calls carried by a licensed international carrier terminating on the Service Supplier's (CWJ's) fixed network.

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$0.7737	\$0.1004

International Transit to Third Party Fixed Network

The following table shows the Usage Charge for international transit via CWJ's fixed network for call termination on a third party fixed network. This Usage Charge when combined with Incoming International Call Termination Service on PSTN gives the rate for the Incoming International Call Termination Service on PSTN terminating on the fixed network of a licensed Third Party Telecom Provider.

Call duration charge per 60s J\$
0.801

International Transit to Third Party Mobile Network

The following table shows the Usage Charge for international transit via CWJ's fixed network, for call termination on a third party mobile network. This Usage Charge when combined with Incoming International Call Termination Service on PLMN for a Third Party Mobile Telecom Provider gives the rate payable by Service Taker to Service Supplier for Calls conveyed pursuant to the Incoming International Call Termination Service on PLMN for international calls carried by a licensed international 3rd party carrier terminating on the mobile network of a Third Party Telecom Provider.

Call duration charge per 60s JS
0.801

64kbps Unrestricted and Speech Termination Access Service

The tariffs for all ISDN calls will be the same as those for the equivalent PSTN Terminating Access Service.

PART 2. SPECIAL ACCESS SERVICES

119 Emergency Services

The following tables show the Usage Charges payable by Service Taker to Service Supplier pursuant to the 119 Emergency Services Service Description

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$1.19	\$0.09
CWJ's Call Centre Charge Call duration charge per 60s (J\$)	\$12.18	\$12.18

110 Emergency Services Access Service

The following tables show the Usage Charges payable by Service Taker to Service Supplier pursuant to the 110 Emergency Services Service Description

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$1.19	\$0.09
CWJ's Call Centre Charge Call duration charge per 60s (J\$)	\$12.18	\$12.18

Weather Warning Service

The following tables show the Usage Charges payable by Service Taker to Service Supplier pursuant to Weather Warning Service Service Description

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$0.6038	\$0.1862

National DQ Service

The following tables show the Usage Charges payable by Service Taker to Service Supplier pursuant to the National DQ Service Service Description

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$18.23	\$0.10
CWJ's Call Centre Charge Call duration charge per 60s (J\$)	\$12.18	\$12.18

International DQ Service

The following tables show the Usage Charges payable by Service Taker to Service Supplier pursuant to the Service Description for the International DQ Service

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$35.17	\$0.10
CWJ's Call Centre Charge Call duration charge per 60s (J\$)	\$12.18	\$12.18

1-888-Call CWJ Access Service

The following tables show the Usage Charges payable by Service Supplier to Service Taker pursuant to the 1-888 Call CWJ Access Service Description

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$0.3922	\$0.0911

National Freephone Access Service

The following tables show the Usage Charges payable by Service Supplier to Service Taker pursuant to the National Freephone Access Service Description for calls originating from a mobile network

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$0.4198	\$0.0958

The following tables show the Usage Charges payable by Service Supplier to Service Taker pursuant to the National Freephone Access Service Description for calls originating from a fixed network

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$0.4198	\$0.0958

International Freephone Access Service

The following tables show the Usage Charges payable by Service Supplier to Service Taker pursuant to the International Freephone Service Description originating from a mobile network

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$0.7783	\$0.0957

The following tables show the Usage Charges payable by Service Supplier to Service Taker pursuant to the International Freephone Service Description originating from a fixed network

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$0.7783	\$0.0957

Home Country Direct Collect

The following tables show the Usage Charges payable by Service Supplier to Service Taker pursuant to the Home Country Direct Service Description.

	Effective December 1, 2017	Effective April 1, 2018
Call duration charge per 60s (J\$)	\$0.6167	\$0.0729

National Collect

The following tables show the Usage Charges payable by Service Supplier to Service Taker pursuant to the National Collect Service Description.

Interconnect Specific Charge per 60s J\$
0.134

Regional			Regional		
Call Setup Charge per 60s J\$			Call Duration Charge per 60s J\$		
Peak	Off-peak	W-end	Peak	Off-peak	W-end
0.537	0.486	0.332	0.509	0.460	0.315

PART 3. TRANSIT SERVICES

PSTN Transit Service

The following tables show the Usage Charges payable by Service Taker to Service Supplier pursuant to the PSTN Transit Service Description. Where necessary the relevant Third Party Telecom Provider termination rates will be added to these tariffs.

Call duration charge per 60s JS
0.76