

Calling Home country [*† and table 1 for notes]		From																													
		Afghanistan	Australia	Bangladesh	Bhutan	Brunei Darussalam	Cambodia	Canada	China	Hong Kong	India	Indonesia	Japan	Laos	Macau	Malaysia	Maldives	Mongolia	Nepal	New Zealand	Pakistan	Papua New Guinea	Philippines	Russia	Singapore	Sri Lanka	Taiwan	Thailand	Timor-Leste	United Kingdom	United States
Roaming In	Afghanistan		3.79	2.20			3.77	2.81	2.92	1.98	2.80			2.94	1.91	3.36	3.18	2.20	3.03	2.25	2.59	2.59	4.28	3.59	2.54	2.19	4.07		2.28	3.99	
	Australia	5.00		2.26		4.21	1.50	1.88	1.18	2.74	3.32	3.00	2.05	1.59	0.95	11.29	7.85		1.07	2.99	2.59	1.29	4.28	1.98	5.90	1.33	2.48	3.75	1.82	1.69	
	Bangladesh	2.00	1.46			0.97	1.50	1.88	1.33	0.81	0.89	1.70	2.05	2.93	1.27	0.80	1.36	0.27	1.69	1.49	2.59	1.29	4.28	2.52	1.05	0.89	1.00		2.28	2.29	
	Bhutan		3.16	2.13			3.77		2.54	1.60		3.19		1.91	3.20	2.68	2.13	7.94				4.28	3.59	2.47	2.34	2.66		2.28	4.99		
	Brunei Darussalam		2.31	1.79			1.50	2.83	2.51	1.07	2.28	1.70	3.19	2.43	0.80	5.88	2.89	1.53	2.03	2.99		1.29	4.28	2.52	2.64	2.06	1.72		2.28	2.29	
	Cambodia		2.83	1.71		2.12		2.83	1.92	2.26	1.17	2.80	4.33	3.65	1.86	2.86	2.40	2.50	2.19	2.17	2.25	2.59	1.29	4.28	3.59	2.25	1.70	2.66		2.28	3.49
	Canada	5.00	3.11	1.96		2.49			1.92	2.21	3.53	4.90	1.60	2.68	1.91		5.08		5.86	2.99	2.59	NA	4.28	2.52	4.16	1.94	2.76		1.82	0.79	
	China	3.00	3.76	2.17		3.83	1.50	2.83		0.85	2.15	2.80	2.00	3.45	0.89	0.95	3.54	3.69	2.22	4.00	2.25	2.59	1.72	4.28	2.16	3.36	0.37	1.88		2.28	2.29
	Hong Kong	3.00	2.48	1.93	2.75	2.09	1.50	1.88			2.19	2.80	2.00	2.05	0.72	0.80	2.84	1.63	1.51	2.20	2.25	2.59	1.29	4.28	1.98	2.04	1.63	2.16		2.28	2.29
	India	3.00	3.11	2.12	2.74	2.83	1.50	3.77	3.40	3.25		2.80	2.05	3.26	4.60	2.86	3.34	2.96	2.11	3.41		2.59	2.59	4.28	3.13	2.07	2.58	2.98		2.28	2.49
	Indonesia	3.00	4.88	1.95		2.83	1.50	3.77	4.44	3.78	3.19		4.33		2.53	0.80	3.62	2.73	2.57	4.27	3.20	2.59	1.29	4.28	3.05	3.36	3.55	3.73	3.90	2.28	3.99
	Japan		3.28	3.13		2.90	1.50	2.83	0.74	1.99	3.58	2.80		2.40	2.03	1.43	4.13	4.64	2.53	3.69	2.25		1.29	4.28	1.98	4.44	1.84	2.44		2.28	2.29
	Laos		1.94			0.90	1.50	3.77	1.92	1.21	2.62	2.80	3.19		4.90	1.43	6.14	2.37		7.94		2.59		4.28	3.59	2.13	1.28	0.97		3.80	3.49
	Macau		1.62	1.66		1.90	1.50	1.88		0.81	1.98	1.70	2.00			1.43	2.57	2.08	1.22	1.41	1.49	2.59	1.29	4.28	2.52	1.65	1.30	1.88		2.28	1.99
	Malaysia	5.00	2.06	2.74		2.24	1.50	3.77	1.18	1.76	2.55	1.95	2.00	4.20	2.55		4.40	4.88	3.29	1.96	3.49	2.59	1.29	4.28	0.42	2.82	2.34	2.10		2.28	2.29
	Maldives	2.00	5.04	1.58		8.90	1.50	3.77	1.92	2.69	2.32	2.80	4.33		2.77	1.43		3.26	2.04	3.45	2.25		1.29	4.28	3.59	2.25	2.57	2.98		3.80	4.99
	Mongolia	5.00	7.36			5.52		3.77	5.03	4.71	3.81	4.90	4.33		4.98	1.43	4.90			7.94		2.59	1.29	4.28	5.75	4.30	4.64	5.26		3.80	4.99
	Nepal	3.00	2.79	1.02		1.21		3.77	2.22	2.02	1.13		2.05	2.01	1.43	1.61				2.89	2.25		1.72	4.28	3.59	1.06	1.93	1.72		2.28	3.49
	New Zealand	5.00	2.36	3.29		4.29		1.88	1.03	3.31	3.41	3.00	2.05	2.68	1.27	3.26	3.19	2.00		2.25	2.59	1.29	4.28	2.87	4.53	2.51	2.82		1.82	2.29	
	Pakistan	2.00	1.50	0.63		0.80	1.50	2.83	1.92	0.79		1.70	2.05	1.15	1.27	0.39	0.31	0.25	0.96		2.59	1.29	4.28	3.59	0.92	0.78	1.22		2.28	2.49	
	Papua New Guinea		3.12			2.90	1.50	3.77	3.84	2.05	2.17	3.00	6.61	2.59	0.80		2.80		2.10	4.95		2.59		4.28	3.59	2.54	2.41	5.26		2.28	2.29
	Philippines	5.00	3.79	3.00		2.31	1.50	2.83	3.84	2.07	2.96	1.95	2.00	2.96	2.06	0.80	3.82	1.76		2.76	3.49	2.59		4.28	1.98	3.39	1.91	2.26		2.28	2.29
	Russia	5.00	7.15	3.80		10.07	1.50	1.88	5.03	7.88	6.66	4.90	4.33		4.58	1.43	5.82	8.76	4.54	10.13	4.95	2.59	1.29		5.75	10.43	7.38	6.11		2.28	4.99
	Singapore	3.00	1.30	2.32		2.31	1.50	1.88	1.18	1.54	1.68	1.70	2.00	2.57	2.15	0.80	2.96	2.24	1.57	1.83	2.25	2.59	1.29	4.28		2.33	1.69	1.85		2.28	2.29
	South Korea	2.00	2.82	2.80		2.58	1.50	2.83	0.74	2.35	3.21	1.95	1.43		1.76	1.27	3.33	1.53	2.60	2.96	3.49	2.59	1.72	4.28	2.52	3.75	2.13	2.32		2.28	2.29
	Sri Lanka	5.00	5.77	2.11		4.02	1.50	3.77	4.44	3.46	2.09	3.00	4.33		3.59	1.27	3.09	4.33	2.11	4.20	2.99	2.59	1.29	4.28	3.59		3.33	4.07		2.28	3.99
	Taiwan	3.00	1.83	0.99		2.41	1.50	1.88		1.46	2.19	1.95	2.00	1.10	1.28	0.80	2.14	3.49	2.55	2.03	1.49	2.59	1.29	4.28	0.86	3.15		1.63		2.28	1.99
	Thailand	3.00	2.04	2.07	2.06	2.32	1.50	3.77	1.03	1.76	1.75	1.95	2.00	1.44	1.84	0.95	2.35	2.78	1.79	2.00	2.25	2.59	1.29	4.28	1.94	2.17	1.77		2.28	1.99	
Timor-Leste		1.61				1.50	3.77	2.22	1.78		1.70	4.33			2.86				2.07				4.28	3.59	3.81	3.61	2.07			3.49	
United Kingdom	5.50	2.48	3.90		3.74	1.50	1.88	1.18	3.00	1.47	3.55	2.05	1.12	1.43	1.84	3.24	1.52	2.72	3.49	2.59	1.72	4.28	2.52	3.07	1.48	2.29			1.29		
United States	5.00	2.82	4.14		2.63	1.50	1.37	0.74	3.37	2.55	3.00	1.60	2.59	1.91	5.27	5.27	4.79	4.31	2.99	2.59	1.72	4.28	2.52	6.59	2.39	2.82		1.82			
Vietnam		1.68	0.74		1.24	1.50	1.88	1.33	1.26	0.94	1.70	3.19	1.27	1.23	0.95	1.33	1.33		0.93	1.49		1.29	4.28	1.08	1.23	1.14	1.19		2.28	4.99	

Incoming call while roaming [*+ and table 1 for notes]		From																														
		Afghanistan	Australia	Bangladesh	Bhutan	Brunei Darussalam	Cambodia	Canada	China	Hong Kong	India	Indonesia	Japan	Laos	Macau	Malaysia	Maldives	Mongolia	Nepal	New Zealand	Pakistan	Papua New Guinea	Philippines	Russia	Singapore	Sri Lanka	Taiwan	Thailand	Timor-Leste	United Kingdom	United States	
Roaming In	Afghanistan		2.83	0.86			3.77	0.89	2.63	1.00	0.75			1.85		1.27	1.46	0.50	0.69	0.36	0.99	2.59	3.28	0.85	1.38		2.04		2.28	3.99		
	Australia	1.00		0.36		1.10	3.00	1.88	0.44	1.99	0.51	0.75	0.91	0.35		0.31	0.49		0.69	0.36	0.40	1.29	3.28	0.72	0.22		1.22	0.47	1.82	1.69		
	Bangladesh	1.00	2.31			2.67	3.00	1.88	0.89	2.03	1.15	0.55	2.51		2.24		1.04	1.34	0.37	0.69	0.36	0.99	1.29	3.28	0.72	1.10		1.88		2.28	2.29	
	Bhutan		3.83	1.56				3.77		3.36	1.79		2.51				2.50	2.45	1.29	0.69				3.28	1.80	2.10		2.98		2.28	4.99	
	Brunei Darussalam		1.37	0.56			3.00	2.83	0.89	1.35	0.79	0.55	1.82		1.57		0.83	1.18	0.00	0.69	0.36		1.29	3.28	0.33	0.44		1.41		2.28	2.29	
	Cambodia		2.36	0.78			2.47		2.83	0.89	2.45	0.77	0.75	0.91	1.98	2.56		1.30	1.14	0.38	0.69	0.36	0.99	1.29	3.28	1.29	1.10		1.50		2.28	3.49
	Canada	1.50	1.84	1.35		2.55			0.89	2.11	1.49	1.00	2.00		1.74			1.75		0.69	0.36	0.99	2.16	4.28	1.37	1.43		1.72		1.82	0.79	
	China	1.50	1.92	1.07		3.27	3.00	2.83		1.00	1.21	0.75	1.65	0.40	0.78		1.95	1.31	0.41	0.69	0.36	0.99	1.72	3.28	0.75	0.93		1.32		2.28	2.29	
	Hong Kong	1.50	1.10	0.72	0.39	1.34	3.00	1.88			2.15	0.75	1.65	0.67	0.51		0.65	0.74	0.30	0.69	0.36	0.99	1.29	3.28	0.65	0.45		1.03		2.28	2.29	
	India	1.50	3.44	1.84	2.08	4.48	3.00	3.77	0.89	3.96		0.75	2.51	2.74	3.59		2.68	2.90	1.60	0.69		0.99	2.59	3.28	2.77	2.17		3.29		2.28	2.49	
	Indonesia	1.50	1.30	0.52		1.46	3.00	3.77	0.89	2.03	0.77		1.77		1.17		0.74	1.01	0.21	0.69	0.36	0.99	1.29	3.28	0.43	0.93		1.13	0.47	2.28	3.99	
	Japan		0.76	0.36		1.90	3.00	2.83	0.29	1.01	0.51	0.75		0.27	0.55		0.31	0.41	0.00	0.69	0.36		1.29	3.28	1.08	0.22		0.69		2.28	2.29	
	Laos		1.76			2.36	3.00	3.77	0.89	1.31	0.72	0.75	0.91		1.53		1.00	1.14		0.69		0.99		3.28	0.50	1.25		0.81		3.80	3.49	
	Macau		1.88	0.73		2.82	3.00	1.88		0.69	0.87	0.55	1.65				1.23	1.28	0.30	0.69	0.36	0.99	1.29	3.28	0.60	0.68		1.50		2.28	1.99	
	Malaysia	2.00	1.19	0.77		1.46	3.00	3.77	0.44	1.77	0.79	0.55	0.91	0.97	1.04			5.57	0.78	0.01	0.69	0.36	0.99	1.29	3.28	0.50	0.45		0.88		2.28	2.29
	Maldives	1.00	2.15	0.44		2.74	3.00	3.77	0.89	1.77	0.81	0.75	2.51		1.62				1.05	0.30	0.69	0.36		1.29	3.28	0.57	1.14		1.75		3.80	4.99
	Mongolia	2.00	2.21			2.34		3.77	0.89	1.80	0.51	1.00	1.60		1.27			0.71			0.69		0.99	1.29	3.28	0.36	0.25		2.98		3.80	4.99
	Nepal	1.50	2.15	0.68		3.03		3.77	0.89	1.69	1.00		2.51		1.84			1.11			0.69	0.36		1.72	3.28	0.85	0.96		1.88		2.28	3.49
	New Zealand	1.00	0.54	1.07		1.97		1.88	0.44	1.97	1.21	0.75	0.91		1.10			0.97	0.82	0.65		0.36	0.99	1.29	3.28	1.15	1.14		1.54		1.82	2.29
	Pakistan	1.00	2.03	0.48		2.62	3.00	2.83	0.89	1.95		0.55	2.51		1.63			0.65	0.90	0.21	0.69		0.99	1.29	3.28	0.72	0.64		1.72		2.28	2.49
	Papua New Guinea		2.15			3.36	3.00	3.77	0.89	1.54	1.60	0.75	2.39		1.27				0.82		0.69	0.36			3.28	0.79	0.35		2.98		2.28	2.29
	Philippines	2.00	1.25	0.61		1.43	3.00	2.83	0.89	1.34	0.77	0.55	1.77	0.65	0.98			0.79	0.89		0.69	0.36	0.99		3.28	0.47	0.57		1.16		2.28	2.29
	Russia	2.00	1.76	0.84		3.48	3.00	1.88	0.89	2.76	1.60	1.00	1.25		1.85			0.39	0.41		0.69	0.36	0.99	1.29		1.08	1.00		1.82		2.28	4.99
	Singapore	1.50	1.24	0.69		1.55	3.00	1.88	0.89	1.45	0.94	0.55	1.77	0.61	1.06			0.82	0.99	0.25	0.69	0.36	0.99	1.29	3.28		0.65		1.38		2.28	2.29
	South Korea	1.00	0.86	0.86		2.71	3.00	2.83	0.44	1.54	1.45	0.55	0.80		1.15			0.66	0.41	0.30	0.69	0.36	0.99	1.72	3.28	0.57	1.32		1.75		2.28	2.29
	Sri Lanka	2.00	1.58	0.59		2.82	3.00	3.77	0.89	1.73	0.83	0.75	2.51		1.69			0.78	1.23	0.32	0.69	0.36	0.99	1.29	3.28	0.59			1.82		2.28	3.99
	Taiwan	1.50	1.46	0.80		2.49	3.00	1.88		1.35	0.96	0.55	1.65	0.65	1.11			0.63	1.01	0.29	0.69	0.36	0.99	1.29	3.28	0.43	0.63		1.32		2.28	1.99
	Thailand	1.50	1.95	0.92	0.59	2.00	3.00	3.77	0.29	1.86	1.15	0.55	1.77	0.92	1.45			1.14	1.30	0.66	0.69	0.36	0.99	1.29	3.28	0.88	1.15			2.28	1.99	
	Timor-Leste		2.30				3.00	3.77	0.89	3.59		0.55	0.91								0.69				3.28	0.36	4.28		1.22			3.49
	United Kingdom	2.00	0.59	1.69		2.09	3.00	1.88	0.44	2.28	1.77	1.00	1.25		1.04			2.63	0.66	1.29	0.69	0.36	0.99	1.72	2.29	1.29	1.04		1.72			1.29
	United States	1.50	1.68	1.35		2.16	3.00	1.37	0.44	2.11	1.49	0.75	2.00		1.51			1.50	1.68	0.50	0.69	0.36	0.99	1.72	4.28	1.29	1.51		1.38		1.82	
	Vietnam		1.30	0.36		1.90	3.00	1.88	0.89	1.01	0.83	0.55	0.91	0.27	1.68			0.71	0.98		0.69	0.36		1.29	3.28	0.50	0.60		1.41		2.28	4.99

Sending an SMS while roaming [*† and table 1 for notes]		From																													
		Afghanistan	Australia	Bangladesh	Bhutan	Brunei Darussalam	Cambodia	Canada	China	Hong Kong	India	Indonesia	Japan	Laos	Macau	Malaysia	Maldives	Mongolia	Nepal	New Zealand	Pakistan	Papua New Guinea	Philippines	Russia	Singapore	Sri Lanka	Taiwan	Thailand	Timor-Leste	United Kingdom	United States
Roaming In	Afghanistan		0.63	0.50			0.71	0.29	0.38	0.49	0.45			0.59	0.64	0.45	0.64	0.50	0.55	0.37	0.40	0.65	0.63	0.43	0.58	0.55	0.66		0.76	0.50	
	Australia	0.60		0.32		0.47	0.30	0.71	0.19	0.38	0.34	0.45	1.14		0.39	0.32	0.39	0.41		0.55	0.37	0.40	0.54	0.63	0.43	0.40	0.33	0.44	0.73	0.76	0.50
	Bangladesh	0.60	0.63			0.22	0.30	0.71	0.29	0.38	0.15	0.45	1.14		0.39	0.64	0.14	0.25	0.15	0.55	0.37	0.40	0.54	0.63	0.43	0.17	0.18	0.25		0.76	0.50
	Bhutan		0.63	0.35				0.71		0.38	0.32					0.64	0.39	0.41	0.32	0.55				0.63	0.43	0.37	0.35	0.41		0.76	0.50
	Brunei Darussalam		0.63	0.20			0.30	0.71	0.29	0.38	0.28	0.45	1.14		0.30	0.32	0.29	0.36	0.15	0.55	0.37		0.54	0.63	0.43	0.33	0.32	0.38		0.76	0.50
	Cambodia		0.63	0.25		0.18		0.71	0.29	0.38	0.19	0.45	1.14	0.18	0.26	0.32	0.28	0.15	0.25	0.55	0.37	0.40	0.54	0.63	0.43	0.33	0.30	0.31		0.76	0.50
	Canada	0.60	0.63	0.29		0.40			0.29	0.38	0.30	0.55	1.14		0.42	0.64		0.38		0.55	0.37	0.40	0.54	0.63	0.43	0.40	0.38	0.41		0.76	0.50
	China	0.60	0.63	0.29		0.39	0.30	0.71		0.38	0.30	0.45	1.14	0.40	0.34	0.32	0.29	0.37	0.34	0.55	0.37	0.40	0.54	0.63	0.43	0.34	0.08	0.31		0.76	0.50
	Hong Kong	0.60	0.63	0.39	0.47	0.51	0.30	0.71			0.38	0.45	1.14	0.52	0.45	0.32	0.39	0.49	0.38	0.55	0.37	0.40	0.54	0.63	0.52	0.44	0.17	0.50		0.76	0.50
	India	0.60	0.63	0.43	0.55	0.57	0.30	0.71	0.29	0.38		0.45	1.14	0.66	0.62	0.64	0.54	0.60	0.43	0.55		0.40	0.65	0.63	0.61	0.83	0.52	0.63		0.76	0.50
	Indonesia	0.60	0.63	0.15		0.22	0.30	0.71	0.29	0.38	0.15		1.14		0.10	0.32	0.17	0.21	0.09	0.55	0.37	0.40	0.54	0.63	0.43	0.34	0.18	0.22	0.47	0.76	0.50
	Japan		0.63	0.24		0.39	0.30	0.71	0.13	0.38	0.28	0.45		0.32	0.33	0.32	0.25	0.35	0.34	0.55	0.37		0.54	0.63	0.43	0.34	0.30	0.38		0.76	0.50
	Laos		0.63			0.46	0.30	0.71	0.29	0.38	0.45	0.45	1.14		0.54	0.64	0.46	0.32		0.55		0.40		0.63	0.43	0.44	0.42	0.53		0.76	0.50
	Macau		0.63	0.38		0.18	0.30	0.71		0.38	0.36	0.45	1.14			0.32	0.13	0.48	0.38	0.55	0.37	0.40	0.54	0.63	0.43	0.43	0.41	0.50		0.76	0.50
	Malaysia	0.60	0.63	0.35		0.47	0.30	0.71	0.19	0.38	0.34	0.45	1.14	0.47	0.45		0.26	0.46	0.37	0.55	0.37	0.40	0.54	0.63	0.44	0.43	0.41	0.47		0.76	0.50
	Maldives	0.60	0.63	0.25		0.34	0.30	0.71	0.29	0.38	0.26	0.45	1.14		0.30	0.64		0.35	0.45	0.55	0.37		0.54	0.63	0.43	0.29	0.27	0.53		0.76	0.50
	Mongolia	0.60	0.63			0.37		0.71	0.29	0.38	0.26	0.55	1.14		0.32	0.64	0.30			0.55		0.40	0.54	0.63	0.43	0.33	0.30	0.47		0.76	0.50
	Nepal	0.60	0.63	0.20		0.25		0.71	0.29	0.38	0.19		1.14		0.29	0.64	0.26			0.55	0.37		0.54	0.63	0.43	0.22	0.28	0.28		0.76	0.50
	New Zealand	0.60	0.63	0.34		0.45		0.71	0.19	0.38	0.34	0.45	1.14		0.45	0.64	0.28	0.43	0.34		0.37	0.40	0.54	0.63	0.44	0.46	0.27	0.38		0.76	0.50
	Pakistan	0.60	0.63	0.18		0.23	0.30	0.71	0.29	0.38		0.45	1.14		0.30	0.64	0.22	0.20	0.18	0.55		0.40	0.54	0.63	0.43	0.24	0.23	0.31		0.76	0.50
	Papua New Guinea		0.63			0.50	0.30	0.71	0.29	0.38	0.38	0.45	1.14		0.45	0.64		0.49		0.55	0.37			0.63	0.43	0.44	0.42	0.47		0.76	0.50
	Philippines	0.60	0.63	0.25		0.33	0.30	0.71	0.29	0.38	0.26	0.45	1.14	0.23	0.29	0.32	0.25	0.28		0.55	0.37	0.40		0.63	0.43	0.27	0.27	0.34		0.76	0.50
	Russia	0.60	0.63	0.10		0.83	0.30	0.71	0.29	0.38	0.55	0.55	1.14		0.29	0.64	0.12	0.72	0.12	0.55	0.37	0.40	0.54		0.43	0.70	0.60	0.41		0.76	0.50
	Singapore	0.60	0.63	0.24		0.36	0.30	0.71	0.29	0.38	0.26	0.45	1.14	0.34	0.29	0.32	0.27	0.34	0.25	0.55	0.37	0.40	0.54	0.63		0.31	0.29	0.34		0.76	0.50
	South Korea	0.60	0.63	0.30		0.40	0.30	0.71	0.07	0.38	0.30	0.45	1.14		0.35	0.64	0.31	0.38	0.30	0.55	0.37	0.40	0.54	0.63	0.43	0.35	0.33	0.41		0.76	0.50
	Sri Lanka	0.60	0.63	0.23		0.34	0.30	0.71	0.29	0.38	0.23	0.45	1.14		0.30	0.64	0.32	0.33	0.23	0.55	0.37	0.40	0.54	0.63	0.43		0.28	0.34		0.76	0.50
	Taiwan	0.60	0.63	0.25		0.33	0.30	0.71		0.38	0.26	0.45	1.14	0.20	0.31	0.32	0.16	0.33	0.16	0.55	0.37	0.40	0.54	0.63	0.43	0.29		0.34		0.76	0.50
	Thailand	0.60	0.63	0.38	0.43	0.52	0.30	0.71	0.15	0.38	0.36	0.45	1.14	0.41	0.43	0.32	0.40	0.51	0.38	0.55	0.37	0.40	0.54	0.63	0.44	0.46	0.43			0.76	0.50
Timor-Leste		0.63				0.30	0.71	0.29	0.38		0.45	1.14			0.64				0.55				0.63	0.43	0.75	0.71	0.91			0.50	
United Kingdom	0.60	0.63	0.27		0.36	0.30	0.71	0.19	0.38	0.21	0.45	1.14		0.35	0.32	0.32	0.31	0.23	0.55	0.37	0.40	0.54	0.63	0.43	0.30	0.24	0.34			0.50	
United States	0.60	0.63	0.30		0.26	0.30	0.71	0.07	0.38	0.30	0.45	1.14		0.35	0.32	0.31	0.38	0.00	0.55	0.37	0.40	0.54	0.63	0.43	0.39	0.33	0.31		0.76		
Vietnam		0.63	0.15		0.22	0.30	0.71	0.29	0.38	0.13	0.45	1.14	0.22	0.18	0.32	0.16	0.20		0.55	0.37		0.54	0.63	0.43	0.19	0.17	0.22		0.76	0.50	

All tariffs in USD: Making a Local roaming call (European countries) [**† and table 2 for notes]		From																	
		Belgium	Bulgaria	Cyprus	Czech Republic	Estonia	Finland	Germany	Greece	Ireland	Lithuania	Luxembourg	Malta	The Netherlands	Romania	Slovak Republic	Spain	Sweden	UK
Roaming to	Austria	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Belgium		0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Bulgaria	0.49		0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Cyprus	0.49	0.59		0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Czech Republic	0.49	0.59	0.56		0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Denmark	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Estonia	0.49	0.59	0.56	0.64		0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Finland	0.49	0.59	0.56	0.64	0.60		0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	France	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Germany	0.49	0.59	0.56	0.64	0.60	0.60		0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Greece	0.49	0.59	0.56	0.64	0.60	0.60	0.58		0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Hungary	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Ireland	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48		0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Italy	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Latvia	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Lithuania	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59		0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Luxembourg	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60		0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Malta	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55		0.58	0.49	0.58	0.49	0.63	0.58
	The Netherlands	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58		0.49	0.58	0.49	0.63	0.58
	Poland	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
	Portugal	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58
Romania	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58		0.58	0.49	0.63	0.58	
Slovak Republic	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49		0.49	0.63	0.58	
Slovenia	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63	0.58	
Spain	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58		0.63	0.58	
Sweden	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49		0.58	
UK	0.49	0.59	0.56	0.64	0.60	0.60	0.58	0.48	0.59	0.60	0.55	0.58	0.58	0.49	0.58	0.49	0.63		
USA	1.14	4.51	1.48	2.64	1.83	2.66	0.58	2.71	1.75	1.72	2.88	1.26	1.76	0.85	3.43	1.89	2.31	1.82	
Asia-Pacific	1.25	4.51	1.48	2.64		2.34	1.87	4.92	2.50				2.83		4.92	3.14			
Other countries	2.08	4.51	1.48	4.70		3.73	3.76		2.50				2.83			0.75-1.25			

Roaming vs. Domestic ratios		Price per minute for an off-net call at peak times	Ratio of Roaming charge versus per minute tariff in the visited country	From													
				Afghanistan	Bangladesh	Bhutan	India	Indonesia	Malaysia	Maldives	Mongolia	Nepal	Pakistan	Philippines	Singapore	Sri Lanka	Thailand
Roaming In	Afghanistan	0.12			5.00		5.00	6.25	21.17	5.33	6.33	5.00	7.50	21.58	11.17	5.75	7.83
	Bangladesh	0.03	50				21.3	20	53.00	26.67	24.33	13.33	30.00	43.00	24.00	25.00	18.67
	Bhutan	0.06		21.5			21.33		37.17	32.33	27.00	21.50			36.00	25.00	27.17
	India	0.03	78.125	33.4375	42.5			23.4375	99.38	51.56	45.94	32.50		80.94	49.38	64.69	45.94
	Indonesia	0.09	29.07	5.23		5.23			12.91	7.33	7.33	5.23	17.33	15.00	5.81	9.42	7.67
	Malaysia	0.12	24.19	2.10		2.26	4.84			16.45	4.84	1.77	7.26	10.40	2.90	2.74	3.06
	Maldives	0.12	12.61	1.43		2.52	6.30	17.39			1.93	2.52	7.56	10.84	12.10	2.86	3.45
	Mongolia	0.07	40.54			8.38	16.89	40.81	12.70					17.43	19.46	11.08	14.86
	Nepal	0.05	53.19	8.72		10.43		44.04	16.38				19.15	36.60	30.64	12.98	14.68
	Pakistan	0.02	93.75	23.75				37.50	119.38	37.50	25.63	22.50		80.63	90.00	32.50	37.50
	Philippines	0.16	18.75	1.56		1.63	3.75	6.94	2.00	1.44			5.63		4.50	2.00	2.38
	Singapore	0.12	21.74	3.74		3.74	5.22	9.65	5.04	5.04	2.17	7.83	11.22		4.70	5.22	
	Sri Lanka	0.04	68.18	7.27		7.27	28.41	36.14	10.00	9.32	7.27	33.86	29.32	32.73			10.68
Thailand	0.03	80.65	21.29	24.52	20.65	19.35	40.97	28.06	28.39	21.29	29.03	41.61	23.23	25.81			

**Ration calculation = Roaming tariff a roamer payes to make a call in the visited country  
Tariff a pre-paid customer has to pay to make a local off net call**

Please refe table 3 for notes

## Notes and remarks

\* The currency conversion was taken from <http://www.oanda.com/currency/converter/> for 05 July 2010

† The empty cells imply the unavailability of data



Table 1 - The conversion rates, operator, links/source and remarks for each country a roamer is coming from

Country	Conversion as of 05 July 2010	Currency	Operator	Source/Link	Remarks
Afghanistan	45.87	AFN	Roshan telecom	<a href="http://www.roshan.af/web/?page_id=408">http://www.roshan.af/web/?page_id=408</a>	Tariff were in USD. The countries are categorized according to a band
Australia	1.18809	AUD	Telstra	<a href="http://www.telstra.com.au/mobile/internet_roaming/">http://www.telstra.com.au/mobile/internet_roaming/</a>	Have different tariff for each country in AUD
Bangladesh	67.58	BDT	Grameenphone	<a href="http://www.grameenphone.com/index.php?id=234">http://www.grameenphone.com/index.php?id=234</a>	Some tariff were in USD and some were in BTN.
Bhutan	46.568	BTN	Tashicell	<a href="http://www.tashicell.com/?page_id=22">http://www.tashicell.com/?page_id=22</a>	Tariff were indicted only for three countries
Brunei Darussalam	1.3669	BND	B-Mobile	<a href="http://www.bmobile.com.bn/rates_postroam_voice.htm">http://www.bmobile.com.bn/rates_postroam_voice.htm</a>	Tariff were stated in BND
Cambodia	4,167.10	KHR	Mfone	<a href="http://www.mfone.com.kh/intercountries.aspx">http://www.mfone.com.kh/intercountries.aspx</a>	Used the third largest operator tariff as other operators did not have it in their respective websites. The tariff were stated in USD as a flat rate for all countries that roaming is active
Canada	1.0618	CAD	Rogers	<a href="http://www.rogers.com/web/content/add-ons/travelwithyourphone?tab3_content">http://www.rogers.com/web/content/add-ons/travelwithyourphone?tab3_content</a>	Tariff were in CAD
China	6.7616	CNY	Chine Mobile	<a href="http://www.10086.cn/focus/roaming/international/xwgg/201004/t20100427_16137.htm">http://www.10086.cn/focus/roaming/international/xwgg/201004/t20100427_16137.htm</a>	Tariff were in HKD
Hong Kong	7.79431	HKD	One2free	<a href="http://one2free.hkcs.com/jsp/roaming_and_idd/coverage_and_charges/overview.jsp">http://one2free.hkcs.com/jsp/roaming_and_idd/coverage_and_charges/overview.jsp</a> <a href="http://www.airtel.in/wps/wcm/connect/airtel.in/Airtel.in/Home/ForYou/Mobile/Postpaid/Roaming/International/">http://www.airtel.in/wps/wcm/connect/airtel.in/Airtel.in/Home/ForYou/Mobile/Postpaid/Roaming/International/</a>	HKD 3.6 (Sent to HK non-CSL) & HKD 4 (Sent to other countries) for Pay-as-you-go or package subscribers. They provide roaming in Myanmar via Thuraya (Satellite)
India	46.9707	IND	Bharthi Airtel	<a href="http://www.telkomsel.com/web/simpatias_international_roaming">http://www.telkomsel.com/web/simpatias_international_roaming</a>	Tariff were stated in INR . Only peak values are taken. Used the Delhi cycle
Indonesia	9,057.97	IDR	Telkomsel	<a href="http://www.telkomsel.com/web/simpatias_international_roaming">http://www.telkomsel.com/web/simpatias_international_roaming</a>	Tariff were given in USD
Japan	87.7	JPY	NTT DoCoMo	<a href="http://www.nttdocomo.co.jp/english/service/world/roaming/area/index.html">http://www.nttdocomo.co.jp/english/service/world/roaming/area/index.html</a>	Tariff were given in JPY
Laos	8,008.40	LAK	Lao Telecom	<a href="http://www.laotel.com/lr.php">http://www.laotel.com/lr.php</a>	Tariff were given in USD
Macau	7.8248	MOP	Three	<a href="http://3g.three.com.mo/eng/36300.jsp">http://3g.three.com.mo/eng/36300.jsp</a>	Tariff were given in MOP. Only peak values are taken when some countries have indicated non-peak values
Malaysia	3.14403	MYR	Maxis	<a href="http://www.maxis.com.my/personal/latest/roam120.asp">http://www.maxis.com.my/personal/latest/roam120.asp</a>	Tariff were in MYR
Maldives	12.63002	MVR	Dhiraagu	<a href="http://www.dhiraagu.com.mv/mobile/international_services/postpaid_charges.php">http://www.dhiraagu.com.mv/mobile/international_services/postpaid_charges.php</a>	Have different tariffs due to multiple operators for the some country reported in MVR
Mongolia	1,360	MNT	Mobicom Corporation	<a href="http://www.mobicom.mn/index.jsp?mmid=50&amp;mid=51#0.263351621106267%page">http://www.mobicom.mn/index.jsp?mmid=50&amp;mid=51#0.263351621106267%page</a>	Tariff were in MNT
Nepal	73.085	NPR	Ncell (Spice Nepal)	<a href="http://www.spicenepal.com/postpaid/roaming/international">http://www.spicenepal.com/postpaid/roaming/international</a>	Largest operator NTC does not have tariffs online therefore Spice Nepal tariffs are used.
New Zealand	1,451.29	NZD	Vodafone New Zealand	<a href="http://www.vodafone.co.nz/roaming/countries/">http://www.vodafone.co.nz/roaming/countries/</a>	Tariff were in NZD
Pakistan	83.759	PKR	Mobilink GSM	<a href="http://www.mobilinkgsm.com/lr/Tariffs.pdf">http://www.mobilinkgsm.com/lr/Tariffs.pdf</a>	Tariff were in USD
Papua New Guinea	2.6685	PGK	Digicel Papua New Guinea	<a href="http://www.digicelpng.com/en/coverage_roaming/roaming_rates">http://www.digicelpng.com/en/coverage_roaming/roaming_rates</a> <a href="http://site.globe.com.ph/mobile/general_mobile_services/international_services/international_roaming/prepaid?sid=TC9uS8uxpRYAAD60t@EAAABYe">http://site.globe.com.ph/mobile/general_mobile_services/international_services/international_roaming/prepaid?sid=TC9uS8uxpRYAAD60t@EAAABYe</a>	Tariff were in USD. Largest operator Bmobile does not have tariffs online therefore Digicel tariffs are used.
Philippines	46.396	PHP	Globe Philippines	<a href="http://site.globe.com.ph/mobile/general_mobile_services/international_services/international_roaming/prepaid?sid=TC9uS8uxpRYAAD60t@EAAABYe">http://site.globe.com.ph/mobile/general_mobile_services/international_services/international_roaming/prepaid?sid=TC9uS8uxpRYAAD60t@EAAABYe</a>	Largest operator SMART does not have tariffs online therefore GLOBE tariffs are used. Tariff stated are for pre-paid connection
Russia	30.168	RUB	Beeline	<a href="http://mobile.beeline.ru/msk/roaming/world.wbp">http://mobile.beeline.ru/msk/roaming/world.wbp</a>	Tariff were in RUB. Used the second largest as the MTS did not have in their website
Singapore	1.3916	SGD	SingTel	<a href="http://home.singtel.com/consumer/roaming/">http://home.singtel.com/consumer/roaming/</a>	Tariff were in SGD
Sri Lanka	113.309	LKR	Dialog Telekom	Information were sent by customer service agent: roam@dialog.lk	Tariff were sent by Dialog customer service agents. In LKR
Taiwan	32.205	TWD	Chunghwa Telecom	<a href="http://www.cht.com.tw/PersonalCat.php?Page=emome&amp;CatID=33">http://www.cht.com.tw/PersonalCat.php?Page=emome&amp;CatID=33</a>	Tariff were in TWD
Thailand	31.9131	THB	AIS	<a href="http://activities.ais.co.th/app/lrnew/index_gsm.aspx?lang=en&amp;search_mode=1&amp;keyword=http://www.timortelecom.tp/index.php?option=com_content&amp;view=article&amp;id=15&amp;Itemid=64&amp;lang=en">http://activities.ais.co.th/app/lrnew/index_gsm.aspx?lang=en&amp;search_mode=1&amp;keyword=http://www.timortelecom.tp/index.php?option=com_content&amp;view=article&amp;id=15&amp;Itemid=64&amp;lang=en</a>	Tariff were in THB
Timor-Leste	1	USD	Timor telecom	<a href="http://www.t-mobile.co.uk/services/going-abroad/details-by-country/">http://www.t-mobile.co.uk/services/going-abroad/details-by-country/</a>	Post paid CAMEL roaming tariff is applied.
United Kingdom	0.65809	GBP	t-mobile	<a href="http://www.t-mobile.co.uk/services/going-abroad/details-by-country/">http://www.t-mobile.co.uk/services/going-abroad/details-by-country/</a>	Tariff were in GBP. The countries were categorized according to zone bands
United States	1	USD	AT and T Wireless	<a href="http://www.wireless.att.com/learn/international/roaming/international-roaming.jsp">http://www.wireless.att.com/learn/international/roaming/international-roaming.jsp</a>	Tariff were in USD. Verizon had CDMA tariff. AT and T reported a more clear tariff structure.

Table 2 - The conversion rates, operator, links/source and remarks for each country a roamer is coming from

Country	Conversion as of 05 July 2010	Currency	Operator	Source/Link	Remarks
Belgium	0.80	Euro	Proximus	<a href="http://customer.proximus.be/en/index.html">http://customer.proximus.be/en/index.html</a>	Tariff were in Euro
Bulgaria	1.55	BGN	M-Tel	<a href="http://www.mtel.bg/checkpoint.php">http://www.mtel.bg/checkpoint.php</a>	Tariff were in BGN
Cyprus	0.80	Euro	Cyrtamobile-Vodafone	<a href="http://www.cyrtamobile-vodafone.com/">http://www.cyrtamobile-vodafone.com/</a>	Tariff were in Euro
Czech Republic	20.42	CZK	T-Mobile	<a href="http://t-mobile.cz/Web/English/Default.aspx">http://t-mobile.cz/Web/English/Default.aspx</a>	Tariff were in CZK
Estonia	12.20	EET	EMT	<a href="http://www.emt.ee/">http://www.emt.ee/</a>	Tariff were in EET
Finland	0.80	Euro	Sonera	<a href="http://www.sonera.fi/">http://www.sonera.fi/</a>	Tariff were in Euro
Germany	0.80	Euro	T-Mobile	<a href="http://www.t-mobile.de/">http://www.t-mobile.de/</a>	Tariff were in Euro
Greece	0.80	Euro	Cosmote	<a href="http://www.cosmote.gr/cosmote/cosmote.portal">http://www.cosmote.gr/cosmote/cosmote.portal</a>	Tariff were in Euro
Ireland	0.80	Euro	Vodafone, world	<a href="http://www.vodafone.ie/">http://www.vodafone.ie/</a>	Tariff were in Euro
Lithuania	2.71	LTL	Omnitel	<a href="http://www.omnitel.lt/?i3_en">http://www.omnitel.lt/?i3_en</a>	Tariff were in LTL
Luxembourg	0.80	Euro	LuxGSM	<a href="http://www.luxgsm.lu/index.php?p=1">http://www.luxgsm.lu/index.php?p=1</a>	Tariff were in Euro
Malta	0.80	Euro	Vodafone	<a href="http://www.vodafone.com.mt">http://www.vodafone.com.mt</a>	Tariff were in Euro
The Netherlands	0.80	Euro	KPN Nederland's	<a href="http://www.kpn.com/">http://www.kpn.com/</a>	Tariff were in Euro
Romania	0.80	Euro	Orange	<a href="http://www.orange.ro/">http://www.orange.ro/</a>	Tariff were in Euro
Slovak Republic	0.80	Euro	Orange	<a href="http://www.orange.sk/">http://www.orange.sk/</a>	Tariff were in Euro
Spain	0.80	Euro	movistar	<a href="http://www.movistar.es/">http://www.movistar.es/</a>	Tariff were in Euro
Sweden	7.48	SEK	Telia	<a href="http://www.telia.se/">http://www.telia.se/</a>	Tariff were in SEK
UK	0.66	GBP	t-mobile	<a href="http://www.t-mobile.co.uk/services/going-abroad/details-by-country/">http://www.t-mobile.co.uk/services/going-abroad/details-by-country/</a>	Tariff were in GBP.

Table 3 - The operator links/source for domestic tariff for each country

Country	Operator	Link/ Source
Afghanistan	Roshan	<a href="http://www.roshan.af/web/?page_id=23">http://www.roshan.af/web/?page_id=23</a>
Nepal	Referred LIRNEasia Mobile Benc	<a href="http://lirneasia.net/wp-content/uploads/2007/08/10-02-SA-Baskets-explained-v1-2.pdf">http://lirneasia.net/wp-content/uploads/2007/08/10-02-SA-Baskets-explained-v1-2.pdf</a>
Bangladesh	Grameenphone	<a href="http://www.grameenphone.com/index.php?id=178">http://www.grameenphone.com/index.php?id=178</a>
Pakistan	Mobilink GSM	<a href="http://www.mobilinkgsm.com/jaz/budget.php">http://www.mobilinkgsm.com/jaz/budget.php</a>
India	Referred LIRNEasia Mobile Benc	<a href="http://lirneasia.net/wp-content/uploads/2007/08/10-02-SA-Baskets-explained-v1-2.pdf">http://lirneasia.net/wp-content/uploads/2007/08/10-02-SA-Baskets-explained-v1-2.pdf</a>
Bhutan	Bhutan Telecom	<a href="http://www.druknet.bt/prepaid/">http://www.druknet.bt/prepaid/</a>
Sri Lanka	Dialog telekom	<a href="http://www.dialog.lk/personal/mobile/rate-plans/prepaid/per-second-package/">http://www.dialog.lk/personal/mobile/rate-plans/prepaid/per-second-package/</a>
Maldives	Dhiraagu	<a href="http://www.dhiraagu.com.mv/mobile/prepaid/plans.php">http://www.dhiraagu.com.mv/mobile/prepaid/plans.php</a>
Mongolia	Mobicom	<a href="http://www.mobicom.mn/index.jsp?mmid=3#0.6583878878867758%page">http://www.mobicom.mn/index.jsp?mmid=3#0.6583878878867758%page</a>
Philippines	Referred LIRNEasia Mobile Benc	<a href="http://lirneasia.net/wp-content/uploads/2007/08/10-02-SEA-Baskets-explained-v1-1.pdf">http://lirneasia.net/wp-content/uploads/2007/08/10-02-SEA-Baskets-explained-v1-1.pdf</a>
Indonesia	Telkomsel	<a href="http://www.telkomsel.com/web/tarif_kartuas">http://www.telkomsel.com/web/tarif_kartuas</a>
Thailand	Referred LIRNEasia Mobile Benc	<a href="http://lirneasia.net/wp-content/uploads/2007/08/10-02-SEA-Baskets-explained-v1-1.pdf">http://lirneasia.net/wp-content/uploads/2007/08/10-02-SEA-Baskets-explained-v1-1.pdf</a>
Malaysia	Hotlink	<a href="http://www.hotlink.com.my/web/portal/hotlink/hotlinkpage?WCM_GLOBAL_CONTEXT=/web/wcm/connect/Hotlink.Content.lib_en/">http://www.hotlink.com.my/web/portal/hotlink/hotlinkpage?WCM_GLOBAL_CONTEXT=/web/wcm/connect/Hotlink.Content.lib_en/</a>
Singapore	Singtel	<a href="http://info.singtel.com/personal/communication/mobile/prepaid-plans/plans-top-up/hi-card">http://info.singtel.com/personal/communication/mobile/prepaid-plans/plans-top-up/hi-card</a>