

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		0.76	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	0.50
	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	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 refer 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	http://www.roshan.af/web/?page_id=408	Tariff were in USD. The countries are categorized according to a band
Australia	1.18809	AUD	Telstra	http://www.telstra.com.au/mobile/internet_roaming/	Have different tariff for each country in AUD
Bangladesh	67.58	BDT	Grameenphone	http://www.grameenphone.com/index.php?id=234	Some tariff were in USD and some were in BTN.
Bhutan	46.568	BTN	Tashicell	http://www.tashicell.com/?page_id=22	Tariff were indicted only for three countries
Brunei Darussalam	1.3669	BND	B-Mobile	http://www.bmobile.com.bn/rates_postroam_voice.htm	Tariff were stated in BND
Cambodia	4,167.10	KHR	Mfone	http://www.mfone.com.kh/intercountries.aspx	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	http://www.rogers.com/web/content/add-ons/travelwithyourphone?tab3_content	Tariff were in CAD
China	6.7616	CNY	Chine Mobile	http://www.10086.cn/focus/roaming/international/xwgg/201004/t20100427_16137.htm	Tariff were in HKD
Hong Kong	7.79431	HKD	One2free	http://one2free.hkcs.com/isp/roaming_and_idd/coverage_and_charges/overview.jsp http://www.airtel.in/wps/wcm/connect/airtel.in/Airtel.in/Home/ForYou/Mobile/Postpaid/Roaming/International/	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	http://www.telkomsel.com/web/simpatias_international_roaming	Tariff were stated in INR . Only peak values are taken. Used the Delhi cycle
Indonesia	9,057.97	IDR	Telkomsel	http://www.telkomsel.com/web/simpatias_international_roaming	Tariff were given in USD
Japan	87.7	JPY	NTT DoCoMo	http://www.nttdocomo.co.jp/english/service/world/roaming/area/index.html	Tariff were given in JPY
Laos	8,008.40	LAK	Lao Telecom	http://www.laotel.com/lr.php	Tariff were given in USD
Macau	7.8248	MOP	Three	http://3g.three.com.mo/eng/36300.jsp	Tariff were given in MOP. Only peak values are taken when some countries have indicated non-peak values
Malaysia	3.14403	MYR	Maxis	http://www.maxis.com.my/personal/latest/roam120.asp	Tariff were in MYR
Maldives	12.63002	MVR	Dhiraagu	http://www.dhiraagu.com.mv/mobile/international_services/postpaid_charges.php	Have different tariffs due to multiple operators for the some country reported in MVR
Mongolia	1,360	MNT	Mobicom Corporation	http://www.mobicom.mn/index.jsp?mmid=50&mid=51#0.263351621106267%page	Tariff were in MNT
Nepal	73.085	NPR	Ncell (Spice Nepal)	http://www.spicenepal.com/postpaid/roaming/international	Largest operator NTC does not have tariffs online therefore Spice Nepal tariffs are used.
New Zealand	1,451.29	NZD	Vodafone New Zealand	http://www.vodafone.co.nz/roaming/countries/	Tariff were in NZD
Pakistan	83.759	PKR	Mobilink GSM	http://www.mobilinkgsm.com/lr/Tariffs.pdf	Tariff were in USD
Papua New Guinea	2.6685	PGK	Digicel Papua New Guinea	http://www.digicelpng.com/en/coverage_roaming/roaming_rates http://site.globe.com.ph/mobile/general_mobile_services/international_services/international_roaming/prepaid?sid=TC9uS8uxpRYAAD60t@EAAABYe	Tariff were in USD. Largest operator Bmobile does not have tariffs online therefore Digicel tariffs are used.
Philippines	46.396	PHP	Globe Philippines	http://site.globe.com.ph/mobile/general_mobile_services/international_services/international_roaming/prepaid?sid=TC9uS8uxpRYAAD60t@EAAABYe	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	http://mobile.beeline.ru/msk/roaming/world.wbp	Tariff were in RUB. Used the second largest as the MTS did not have in their website
Singapore	1.3916	SGD	SingTel	http://home.singtel.com/consumer/roaming/	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	http://www.cht.com.tw/PersonalCat.php?Page=emome&CatID=33	Tariff were in TWD
Thailand	31.9131	THB	AIS	http://activities.ais.co.th/app/lrnew/index_gsm.aspx?lang=en&search_mode=1&keyword=http://www.timortelecom.tp/index.php?option=com_content&view=article&id=15&Itemid=64&lang=en	Tariff were in THB
Timor-Leste	1	USD	Timor telecom	http://www.t-mobile.co.uk/services/going-abroad/details-by-country/	Post paid CAMEL roaming tariff is applied.
United Kingdom	0.65809	GBP	t-mobile	http://www.t-mobile.co.uk/services/going-abroad/details-by-country/	Tariff were in GBP. The countries were categorized according to zone bands
United States	1	USD	AT and T Wireless	http://www.wireless.att.com/learn/international/roaming/international-roaming.jsp	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	http://customer.proximus.be/en/index.html	Tariff were in Euro
Bulgaria	1.55	BGN	M-Tel	http://www.mtel.bg/checkpoint.php	Tariff were in BGN
Cyprus	0.80	Euro	Cyrtamobile-Vodafone	http://www.cyrtamobile-vodafone.com/	Tariff were in Euro
Czech Republic	20.42	CZK	T-Mobile	http://t-mobile.cz/Web/English/Default.aspx	Tariff were in CZK
Estonia	12.20	EET	EMT	http://www.emt.ee/	Tariff were in EET
Finland	0.80	Euro	Sonera	http://www.sonera.fi/	Tariff were in Euro
Germany	0.80	Euro	T-Mobile	http://www.t-mobile.de/	Tariff were in Euro
Greece	0.80	Euro	Cosmote	http://www.cosmote.gr/cosmote/cosmote.portal	Tariff were in Euro
Ireland	0.80	Euro	Vodafone, world	http://www.vodafone.ie/	Tariff were in Euro
Lithuania	2.71	LTL	Omnitel	http://www.omnitel.lt/?i3_en	Tariff were in LTL
Luxembourg	0.80	Euro	LuxGSM	http://www.luxgsm.lu/index.php?p=1	Tariff were in Euro
Malta	0.80	Euro	Vodafone	http://www.vodafone.com.mt	Tariff were in Euro
The Netherlands	0.80	Euro	KPN Nederland's	http://www.kpn.com/	Tariff were in Euro
Romania	0.80	Euro	Orange	http://www.orange.ro/	Tariff were in Euro
Slovak Republic	0.80	Euro	Orange	http://www.orange.sk/	Tariff were in Euro
Spain	0.80	Euro	movistar	http://www.movistar.es/	Tariff were in Euro
Sweden	7.48	SEK	Telia	http://www.telia.se/	Tariff were in SEK
UK	0.66	GBP	t-mobile	http://www.t-mobile.co.uk/services/going-abroad/details-by-country/	Tariff were in GBP.

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

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