

Director, Radiocommunication Bureau

**CHANGE IN REFERENCE SITUATION (EPM) BETWEEN WRC-2000 AND
MARCH 2015 FOR REGIONS 1 & 3 PLAN BEAMS**

This document provides a summary of the change in the reference situation (EPM) of the Regions 1 & 3 Plan Beams contained in Appendices **30 & 30A**.

The minimum and maximum values of EPM per Plan Beam as established by WRC-2000 and at March 2015 are provided in Table 1 for the downlink, Table 2 for the 14 GHz feeder-link, and Table 3 for the 17 GHz feeder-link Plan beams.

Attachment: Tables 1, 2 and 3.

ATTACHMENT

TABLE 1

Change in EPM for Regions 1 and 3 Downlink Plan Beams (12 GHz band)

Adm	Plan Beam	long_nom	WRC-2000		March 2015	
			Min. EPM	Max. EPM	Min. EPM	Max. EPM
AFG	AFG__100	50	-0.5	5.68	-17.41	-11.84
AFS	AFS02100	4.8	4.54	10.68	-18.68	-16.6
AGL	AGL29500	-24.8	3.62	6.34	3.62	6.34
ALB	ALB29600	62	8.55	36.43	-3.69	9.06
ALG	ALG__100	-24.8	-0.81	15.19	-1.27	15.18
AND	AND34100	-37	0.28	0.9	0.2	0.82
ARM	ARM06400	22.8	0.43	5.42	-18.37	-12.61
ARS	ARS34000	17	1.98	7.83	1.44	7.23
ARS	ARS__100	17	-0.39	10.31	-0.99	7.21
AUS	AUS00400	152	5.68	10.02	1.62	9.09
AUS	AUS00700	164	4.76	11.25	4.67	12.03
AUS	AUS00900	164	3.56	11.68	3.68	11.76
AUS	AUS00800	164	5.35	12.85	5.6	17.92
AUS	AUS0090A	164	7.09	13.03	7	12.79
AUS	AUS00500	152	5.1	14.3	2.08	13.07
AUS	AUS00600	152	4.32	15.32	1.66	11.16
AUS	AUS0070A	164	7.69	15.79	7.71	15.99
AUS	AUS0090B	164	7.66	16.2	7.62	15.91
AUS	AUS0040B	152	16.32	16.32	14.14	15.8
AUS	AUS0040A	152	16.91	16.91	14.56	15.6
AUS	AUS0040C	152	17.35	17.35	17.68	18.04
AUS	AUSB__100	164	4.56	20.23	4.61	19.61
AUS	AUSA__100	152	7.45	21.48	2.23	22.19
AUT	AUT01600	-18.8	-0.08	3.42	-0.08	3.27
AZE	AZE06400	23.2	-0.05	7.7	-18.81	-15.21
BDI	BDI27000	11	3.03	6.26	-17.59	-15.26
BEL	BEL01800	38.2	1.73	5.78	-16.18	-13.53
BEN	BEN23300	-19.2	2.61	6.07	2.61	6.07

BFA	BFA10700	-30	1.5	5.68	1.45	5.63
BGD	BGD22000	74	4.13	16.95	0.19	4.83
BHR	BHR25500	34	0.85	9.24	-6.34	-5.38
BIH	BIH14800	56	5.88	8.43	0.26	3.18
BLR	BLR06200	37.8	1.33	5.39	-11.52	-6.43
BOT	BOT29700	-0.8	0.85	4.29	-19.72	-16.99
BRM	BRM29800	104	-0.08	8.38	-0.02	8.4
BRU	BRU33000	74	4.48	7.03	-16.57	-16.01
BTN	BTN03100	86	8.87	14.55	-9.41	-6.02
BUL	BUL02000	-1.2	-0.42	2.51	-1.32	0.66
CAF	CAF25800	-13.2	1.35	7.3	0.93	5.98
CBG	CBG29900	86	9.65	13.31	-9.76	-1.95
CHN	CHN20000	122	0.68	2.36	9.78	9.92
CHN	CHN19000	122	-0.04	3.9	2.97	10.8
CHN	CHN15800	134	-1	4.39	10.02	12.76
CHN	CHNC_100	134	-0.43	5.51	15.73	21.16
CHN	CHN15500	62	1.46	6.03	2.15	10.66
CHN	CHNF_100	92.2	4.37	13.62	10.81	16.53
CHN	CHNA_100	62	1.88	13.92	3.41	15.3
CHN	CHNE_100	92.2	1.51	16.39	1.46	17.29
CLN	CLN21900	50	0.52	3.81	-21.42	-16.21
CME	CME30000	-13	0.44	2.47	-0.31	1.67
COD	COD__100	-19.2	4.72	9.75	4.72	9.75
COG	COG23500	-13.2	0.66	5.26	0.58	5.09
COM	COM20700	29	9.52	12.61	-16.26	-13.24
CPV	CPV30100	-33.5	8.8	12.25	8.81	12.27
CTI	CTI23700	-24.8	2.87	4.63	2.87	4.63
CVA	CVA08500	-1.2	-0.81	4.15	-21.8	-19.57
CVA	CVA08300	-1.2	0.54	5.21	-18.05	-16.51
CYP	CYP08600	-1.2	-0.04	3.38	-0.74	1.68
CZE	CZE14403	-12.8	-0.94	3.91	-1.52	3.08
CZE	CZE14402	-12.8	-0.94	3.91	-1.52	3.08
CZE	CZE14401	-12.8	-0.85	5.51	-1.2	4.61
D	D 08700	-18.8	-0.18	3.71	-0.18	3.55

DJI	DJI09900	16.8	6.71	10.03	-7.91	-6.55
DNK	DNK091XR	-33.5	-0.92	4.25	-0.98	1.61
DNK	DNK__100	-25.2	-1.49	7.4	-1.64	7.4
DNK	DNK090XR	-33.5	0.88	8.3	-21.48	0.07
E	HISP33D2	-30	-0.97	5.42	-2.22	2.94
E	HISP33D1	-30	-0.4	6.95	-0.4	4.57
E	HISPA27D	-30	1.28	8.82	1.27	7.73
E	HISPASA4	-30	1.28	8.82	1.27	7.73
E	E___100	-30	5.61	11.58	5.48	11.25
EGY	EGY02600	-7	5.89	24.08	3.33	8.06
ERI	ERI09200	22.8	2.32	7.03	-2.27	0.66
EST	EST06100	44.5	5.62	10.93	-1.81	3.08
ETH	ETH09200	36	11.83	13.94	-18.01	-16.29
F	F___100	-7	5.04	6.86	-15.33	-12.32
F	NCL10000	140	4.22	6.9	4.22	6.9
F	WAL10200	140	7.79	8.71	7.79	8.71
F	F 09300	-7	4.31	18.2	-9.03	8.64
F	OCE10100	-160	99.9	99.9	99.9	99.9
FIN	FIN10400	22.8	-0.4	8.25	-14.01	0.51
FIN	FIN10300	22.8	-0.54	9.86	-3.5	2.34
FJI	FJI19300	-178	6.05	6.88	6.05	6.88
FSM	FSM00000	158	14.56	26.62	-5.38	25.71
G	G 02700	-33.5	-0.11	6.27	-0.51	4.53
GAB	GAB26000	-13.2	-0.02	3.18	-0.08	3.12
GEO	GEO06400	23.2	4.07	14.75	-18.7	-7.18
GHA	GHA10800	-25	4.73	11.25	4.73	11.24
GMB	GMB30200	-37.2	1.88	7.31	1.88	7.32
GNB	GNB30400	-30	0.03	5.81	0.02	5.76
GNE	GNE30300	-18.8	1.44	3.89	1.44	3.89
GRC	GRC10500	-1.2	-0.43	6.22	-23.25	-0.33
GUI	GUI19200	-37	0.88	3.61	0.88	3.61
HNG	HNG10602	-12.8	-0.44	4.41	-1.03	3.58
HNG	HNG10603	-12.8	-0.44	4.41	-1.02	3.58
HNG	HNG10601	-12.8	-0.26	5.97	-0.62	4.89

HOL	HOL21300	38.2	1.6	4.65	-0.14	3.3
HRV	HRV14802	-12.8	-0.94	3.91	-1.52	3.08
HRV	HRV14803	-12.8	-0.94	3.91	-1.52	3.08
HRV	HRV14801	-12.8	-0.76	5.49	-1.12	4.41
I	I 08200	9	-3.8	-0.25	-5.02	-2.43
IND	IND04700	68	4.97	6.28	3.32	4.59
IND	INDB_100	55.8	2.14	8.44	-0.01	4.08
IND	IND03700	68	4.51	10.63	2.64	8.28
IND	INDA_100	55.8	2.62	13.41	0.04	6.94
IND	INDD_100	68	4.6	13.41	0.15	7.88
INS	INSB_100	104	4.07	15.18	4.07	15.18
INS	INSA_100	80.2	9.73	37	4.81	9.96
IRL	IRL21100	-37.2	0.55	5.04	0.58	5.14
IRN	IRN10900	34	0.93	14.33	-0.09	8.35
IRQ	IRQ25600	50	3.64	6.52	-19.31	-15.67
ISL	ISL05000	-33.5	0.08	5.39	-1.5	2.05
ISL	ISL04900	-33.5	3.58	23.48	3.5	19.82
ISR	ISR11000	-4	3.02	11.83	-5.38	-0.87
J	000BS-3N	109.85	4.06	20.25	1.8	20.47
J	J 1110E	110	3.11	21.32	1.1	21.63
J	J 10985	109.85	4.04	21.59	2.78	21.83
J	J 11100	110	3.25	22.67	2.11	23
JOR	JOR22400	11	-0.98	4	-2.07	1.54
KAZ	KAZ06600	56.4	1.32	12.04	0.86	7.65
KEN	KEN24900	-0.8	2.78	5.35	-15.35	-12.72
KGZ	KGZ07000	50	0.54	2.61	-0.65	1.38
KIR	KIR__100	176	10.5	24.17	10.73	28.04
KOR	KO11201D	116	4.99	7.17	7.02	8.61
KOR	KOR11201	116	4.99	7.17	7.02	8.61
KOR	KOR11200	116	-1.21	8.3	-0.95	11.02
KRE	KRE28600	140	13.97	18.21	14.1	18.44
KWT	KWT11300	11	5.39	8.02	-0.02	6.49
LAO	LAO28400	122.2	-1.82	3.04	-22.87	-20.59
LBN	LBN27900	11	-0.62	5.47	-1.66	2.68

LBR	LBR24400	-33.5	0.36	7.77	0.36	7.78
LBY	LBY__100	-24.8	2.4	6.75	2.37	6.75
LIE	LIE25300	-18.8	0.39	6.71	0.39	6.56
LSO	LSO30500	4.8	2.89	7.79	-19.04	-15.71
LTU	LTU06100	23.2	-0.19	4.85	-1.77	2.46
LUX	LUX11400	28.2	2.76	8.01	-5.11	-2.87
LVA	LVA06100	23.2	-0.94	3	-15.02	0.91
MAU	MAU__100	29	11.03	16.55	-17.35	7.13
MCO	MCO11600	34.2	-0.97	4.44	-10.1	-4.52
MDA	MDA06300	50	0.66	4.53	-11.22	-3.93
MDG	MDG23600	29	13.19	16.18	-16.68	-13.27
MHL	MHL00000	146	25.07	29.09	30.2	34.35
MKD	MKD14800	22.8	3.24	4.49	-17.78	-16.46
MLA	MLA__100	91.5	0.77	8.82	-3.94	3.7
MLD	MLD30600	50	4.3	11.26	-16.18	-11.73
MLI	MLI__100	-19.2	4.61	8.59	4.61	8.59
MLT	MLT14700	22.8	1.72	3.38	-18.57	-17.83
MNG	MNG24800	74	6.62	99.9	-17.77	-14.14
MOZ	MOZ30700	-1	2.76	10.25	-19.28	-18.24
MRC	MRC20900	-25.2	-0.36	4.14	-0.79	4.14
MTN	MTN__100	-36.8	1.05	14.93	1.05	14.86
MWI	MWI30800	4.8	3.24	8.89	-18.5	-17.83
NGR	NGR11500	-37.2	6.84	11.59	6.84	11.59
NIG	NIG11900	-19.2	3.52	9.16	3.52	9.16
NMB	NMB02500	-18.8	8.64	13.58	8.64	13.58
NOR	NOR12100	-0.8	-0.58	1.6	-6.6	-0.66
NOR	NOR12000	-0.8	-0.74	9.03	-8.53	0.7
NPL	NPL12200	50	2.24	6	-17.67	-14.76
NRU	NRU30900	134	7.32	14	7.33	14.01
NZL	NZL__100	158	8.46	19.42	3.96	19.25
OMA	OMA12300	17.2	0.85	4.25	-9.53	3.48
PAK	PAK12700	38.2	2.01	7.3	1.09	6.2
PHL	PHL28500	98	2.32	8.89	2.27	8.87
PLW	PLW00000	140	11.17	13.47	11.18	13.48

PNG	PNG13100	134	6.39	9.84	6.4	9.86
POL	POL13200	50	2.36	8.14	-9.83	2.42
POR	POR__100	-37	1.1	10.45	0.88	10.45
PSE	YYY00000	-13.2	4.83	5.95	4.29	5.61
QAT	QAT24700	20	5.84	7.11	1.67	3.04
ROU	ROU13600	50	3.87	6.13	-19.04	-17.1
RRW	RRW31000	11	5.67	12.09	-16.47	-14.78
RUS	RSTRED12	36	-4.33	4.71	-12.08	-2.64
RUS	RSTREA12	36	-4.33	4.71	-12.08	-2.64
RUS	RSTREA11	36	-3.61	6.28	-12.09	-3.01
RUS	RSTRED11	36	-3.61	6.28	-12.09	-3.01
RUS	RSTRSD12	36	3.35	7.71	-4.56	0.36
RUS	RSTRSD14	36	3.52	8.23	-5.11	-0.72
RUS	RSTRSD11	36	4.48	9.28	-5.17	-0.01
RUS	RSTRSD13	36	4.85	10.58	-5.26	-1.13
RUS	RSTRSD22	56	3.46	27.79	-8.19	11.14
RUS	RSTRSD21	56	9.3	28.47	-8.59	10.66
RUS	RSTRSD31	86	5.51	99.9	-0.18	11.6
RUS	RSTRSD32	86	99.9	99.9	2.86	12.48
RUS	RSTRSD51	140	15.77	99.9	15.79	99.9
RUS	RSTRSD52	140	99.9	99.9	99.9	99.9
RUS	RUS00401	110	13.21	99.9	13.23	99.9
RUS	RUS00402	110	99.9	99.9	99.9	99.9
S	S 13800	5	-0.36	7.29	-3.82	-1.95
S	S 13900	5	8.67	13.57	2.09	3.52
SDN	SDN__100	-7	5.42	10.49	-14.93	0.98
SEN	SEN22200	-37	-0.34	7.45	-0.31	7.45
SEY	SEY00000	42.5	12.27	17.77	4.62	12.64
SLM	SLM00000	128	11.68	16.11	4.1	7.48
SMO	SMO05700	-178	1.57	7.23	1.57	7.23
SMR	SMR31100	-36.8	3.13	4.94	2.96	4.94
SNG	SNG15100	88	1.33	5.64	-0.74	3.29
SOM	SOM31200	37.8	3.29	14.16	-14.3	-10.91
SRB	SRB14800	-7	-1.2	2.24	-17.42	-14.44

SRL	SRL25900	-33.5	-0.44	6.17	-0.36	6
STP	STP24100	-7	4.85	8.75	-12.48	-6.11
SUI	SUI14000	-18.8	0.22	3.24	0.22	3.14
SVK	SVK14403	-12.8	-0.44	4.41	-1.02	3.58
SVK	SVK14402	-12.8	-0.44	4.41	-1.02	3.58
SVK	SVK14401	-12.8	-0.35	5.97	-0.71	4.89
SVN	SVN14800	33.8	0.44	3.97	-0.47	2.74
SWZ	SWZ31300	4.8	3.19	5.39	-18.07	-16.25
SYR	SYR22900	11	-1.03	4.18	-1.97	1.9
SYR	SYR33900	11	1.4	4.56	0.28	2.26
TCD	TCD14300	17	8.77	25.4	-8.14	-5.46
TGO	TGO22600	-30	7.45	9.15	7.38	9.15
THA	THA14200	98	-0.2	5.45	-0.2	5.45
TJK	TJK06900	38	0.63	11.46	-0.19	10.42
TKM	TKM06800	50	0.95	13.79	-15.63	-8.99
TLS	TLS00000	128	9.22	13.32	4.48	7.82
TON	TON21500	170.75	9.64	13.34	11.6	24.25
TUN	TUN27200	-25.2	-0.91	2.46	-1.44	2.46
TUN	TUN15000	-25.2	-0.95	4.35	-1.63	4.35
TUR	TUR14500	42	1.71	8.19	1.75	6.53
TUV	TUV00000	176	6.17	12.78	6.32	13.1
TZA	TZA22500	11	2.58	15.39	-18.28	-17.36
UAE	UAE27400	52.5	3.15	17.82	-17.79	-14.49
UGA	UGA05100	17	3.6	8.64	-9.18	-8.22
UKR	UKR06300	38.2	0.57	4.37	-1.46	-0.01
USA	MRA33200	121.8	3.48	7.68	0.42	5.69
USA	GUM33100	122	5.95	8.62	4	6.06
USA	PLM33200	170	6.48	10.16	6.58	10.34
USA	USAA_100	170	7.43	11.87	7.58	12.42
USA	WAK33400	140	13.99	15.96	13.99	15.97
UZB	UZB07100	33.8	1.94	6.61	0.07	4.62
VTN	VTN32500	107	0.21	13.31	0.46	14.46
VUT	VUT12800	140	4.32	13.07	4.32	13.07
YEM	YEM__100	11	-0.26	9.18	-20.62	-2.13

ZMB	ZMB31400	-0.8	2.78	9.14	-20.02	-17.25
ZWE	ZWE13500	-0.8	2.59	8.46	-19.23	-16.77

TABLE 2

Change in EPM for Regions 1 and 3 Feeder-link Plan Beams (14 GHz band)

Adm	Plan Beam	long_nom	WRC-2000		March 2015	
			Min. EPM	Max. EPM	Min. EPM	Max. EPM
AFS	AFS02101	4.8	10.96	19.91	-39.56	-31.51
AFS	AFS02102	4.8	10.96	19.91	-39.56	-30.42
CHN	CHN19001	122	47.67	51.54	45.32	46.99
CHN	CHN19002	122	41.95	999.9	41.49	48.86
CME	CME30002	-13	16.34	19.3	16.34	19.31
CME	CME30001	-13	16.34	19.31	16.34	19.31
ETH	ETH09201	36	1.41	4.07	1.11	3.69
ETH	ETH09202	36	1.41	4.07	1.13	3.84
GHA	GHA10801	-25	14.07	17.88	14.07	17.88
GHA	GHA10802	-25	14.07	17.88	14.07	17.88
IND	INDA_102	55.8	24.65	32.01	24.4	31.77
IND	INDA_101	55.8	24.65	32.07	24.4	31.77
IRN	IRN10902	34	13.88	16.25	5.96	9.95
IRN	IRN10901	34	13.88	16.72	5.18	6.8
IRQ	IRQ25601	50	-0.06	2.3	-0.11	2.25
IRQ	IRQ25602	50	-0.06	4.81	-0.11	4.73
KOR	KO11201D	116	7.46	9.27	7.46	9.27
KOR	KOR11201	116	7.46	9.27	7.46	9.27
MOZ	MOZ30702	-1	15.69	17.7	10.02	12.16
MOZ	MOZ30701	-1	15.69	17.71	10.02	11.35
NIG	NIG11902	-19.2	4.16	9.5	4.16	9.5
NIG	NIG11901	-19.2	4.16	9.52	4.16	9.52
NMB	NMB02502	-18.8	4.48	9.88	4.48	9.88
NMB	NMB02501	-18.8	4.48	9.9	4.48	9.9
NPL	NPL12202	50	1.2	6.16	1.2	6.14

NPL	NPL12201	50	1.2	39.77	1.2	28.97
PAK	PAK12702	38.2	0.88	5.93	0.83	5.83
PAK	PAK12701	38.2	0.88	15.91	0.83	14.92
PNG	PNG13102	134	25.23	26.18	25.23	26.18
PNG	PNG13101	134	25.23	26.19	25.23	26.19
SDN	SDN__102	-7	26.09	29.46	26.09	29.46
SDN	SDN__101	-7	26.09	29.47	26.09	29.47
SEN	SEN22202	-37	39.62	42.48	39.62	42.48
SEN	SEN22201	-37	39.62	42.49	39.62	42.49
SEY	SEY00001	42.5	35.33	37.1	35.33	37.1
SEY	SEY00002	42.5	35.33	37.2	35.33	37.2
SOM	SOM31201	37.8	-0.26	1.97	-0.34	1.89
SOM	SOM31202	37.8	-0.26	3.57	-0.33	3.49
TGO	TGO22602	-30	14.14	15.93	14.14	15.93
TGO	TGO22601	-30	14.14	15.94	14.14	15.94
USA	USAC_101	140	18.56	34.67	18.56	34.67
USA	USAC_102	140	18.56	34.67	18.56	34.67
YEM	YEM__102	11	47.26	55.74	13.71	23.68
YEM	YEM__101	11	47.26	55.75	13.14	21.06

TABLE 3

Change in EPM for Regions 1 and 3 Feeder-link Plan Beams (17 GHz band)

Adm	Plan Beam	long_nom	WRC-2000		March 2015	
			Min. EPM	Max. EPM	Min. EPM	Max. EPM
AFG	AFG24501	50	1.46	3.16	0.52	2.22
AFG	AFG24502	50	1.52	5.68	0.51	4.26
AGL	AGL29500	-24.8	6.76	9.46	6.77	9.47
ALB	ALB29600	62	12.75	48.98	12.54	28.49
ALG	ALG25152	-24.8	-1.12	1.89	-0.51	2.49
AND	AND34100	-37	10.58	13.39	10.26	12.82
ARM	ARM06400	22.8	2.43	7.55	1.43	6.22
ARS	ARS00375	17	4.3	8.17	2.62	5.87

ARS	ARS34000	17	6.79	8.18	4.48	5.88
AUS	AUS00500	152	-3.3	2.62	-3.34	2.56
AUS	AUS00400	152	-0.29	2.64	-0.37	2.58
AUS	AUS0040A	152	-0.41	2.99	-0.5	2.92
AUS	AUS00700	164	-2.87	3	-2.87	2.99
AUS	AUS00800	164	0.15	3.02	0.13	3.01
AUS	AUS0070A	164	-3.08	3.34	-3.09	3.33
AUS	AUSB0000	164	-0.08	3.34	-0.09	3.33
AUS	AUS00701	164	3.02	6.02	3.02	6.02
AUS	AUS00703	164	3.02	6.02	3.02	6.02
AUS	AUS00704	164	3.02	6.02	3.02	6.02
AUS	AUS00705	164	3.02	6.02	3.02	6.02
AUS	AUS00706	164	3.02	6.02	3.02	6.02
AUS	AUS00501	152	3.02	6.02	3.02	6.02
AUS	AUS00505	152	3.02	6.02	3.02	6.02
AUS	AUS00504	152	3.02	6.02	3.02	6.02
AUS	AUS00503	152	3.02	6.02	3.02	6.02
AUS	AUS00502	152	3.02	6.02	3.02	6.02
AUS	AUS00702	164	3.02	6.02	3.02	6.02
AUS	AUS00506	152	3.02	6.02	3.02	6.02
AUS	AUSB0004	164	6.02	6.02	6.02	6.02
AUS	AUSB0006	164	6.02	6.02	6.02	6.02
AUS	AUSB0005	164	6.02	6.02	6.02	6.02
AUS	AUSB0001	164	6.02	6.02	6.02	6.02
AUS	AUSB0002	164	6.02	6.02	6.02	6.02
AUS	AUSB0003	164	6.02	6.02	6.02	6.02
AUS	AUS00402	152	6.04	6.04	6.04	6.04
AUS	AUS00401	152	6.04	6.04	6.04	6.04
AUS	AUS00403	152	6.04	6.04	6.04	6.04
AUS	AUS00404	152	6.04	6.04	6.04	6.04
AUS	AUS00405	152	6.04	6.04	6.04	6.04
AUS	AUS00801	164	6.04	6.04	6.04	6.04
AUS	AUS00802	164	6.04	6.04	6.04	6.04
AUS	AUS00803	164	6.04	6.04	6.04	6.04

AUS	AUS00804	164	6.04	6.04	6.04	6.04
AUS	AUS00805	164	6.04	6.04	6.04	6.04
AUS	AUS00806	164	6.04	6.04	6.04	6.04
AUS	AUS00406	152	6.04	6.04	6.04	6.04
AUS	AUSA0000	152	-0.43	43.06	-0.52	20.42
AUS	AUSA0006	152	6.02	48.26	6.02	46.53
AUS	AUSA0004	152	6.02	53.35	6.02	46.72
AUS	AUSA0005	152	6.02	55.86	6.02	42.38
AUS	AUSA0002	152	6.02	60.51	6.02	50.64
AUS	AUSA0001	152	6.02	61.18	6.02	51.69
AUS	AUSA0003	152	6.02	61.5	6.02	51.01
AUS	AUS00900	164	31.88	999.9	25.01	999.9
AUS	AUS0090A	164	38.92	999.9	25.37	999.9
AUS	AUS00906	164	48.1	999.9	47.84	999.9
AUS	AUS00904	164	50.19	999.9	49.5	999.9
AUS	AUS00905	164	56.36	999.9	50.71	999.9
AUS	AUS00903	164	60.54	999.9	55.31	999.9
AUS	AUS00901	164	61.71	999.9	57.99	999.9
AUS	AUS00902	164	61.92	999.9	57.95	999.9
AUS	AUS00600	152	999.9	999.9	29.53	999.9
AUS	AUS00605	152	999.9	999.9	54.65	999.9
AUS	AUS00604	152	999.9	999.9	59.85	999.9
AUS	AUS00602	152	999.9	999.9	63.18	999.9
AUS	AUS00606	152	999.9	999.9	63.43	999.9
AUS	AUS00603	152	999.9	999.9	63.49	999.9
AUS	AUS00601	152	999.9	999.9	64.28	999.9
AUT	AUT01600	-18.8	-0.27	1.06	-0.24	1.09
AZE	AZE06400	23.2	2.49	5.29	-2.95	-2.02
BDI	BDI27000	11	0.38	4.45	0.35	4.41
BEL	BEL01800	38.2	-1.21	5.9	-1.25	5.73
BEN	BEN23300	-19.2	4.39	11.9	4.39	11.9
BFA	BFA10700	-30	11.99	17.71	-0.44	2.54
BGD	BGD22000	74	0.85	6.3	0.63	5.89
BHR	BHR25500	34	6.59	6.69	6.59	6.69

BIH	BIH14800	56	12.33	15.11	3.49	5.71
BLR	BLR06200	37.8	0.16	2.84	-0.79	1.72
BOT	BOT29700	-0.8	-0.43	5.1	-26.66	-20.56
BRM	BRM29800	104	13.8	17.74	13.8	17.74
BRU	BRU3300A	74	11.27	13.85	10.09	12
BTN	BTN03100	86	5.56	10.76	5.31	10.51
BUL	BUL02000	-1.2	1.6	6.63	-2.71	0.46
CAF	CAF25800	-13.2	-0.35	1.64	-0.39	1.57
CBG	CBG29900	86	2.08	5.44	2.07	5.44
CHN	CHN15900	134	1.97	2.22	2	2.25
CHN	CHN15800	134	0.62	3.84	0.65	3.88
CHN	CHN16000	92.2	4.92	9.59	4.92	9.59
CHN	CHN16100	92.2	11.07	13.04	11.07	13.04
CHN	CHN20000	122	13.75	15.94	14.88	17.46
CHN	CHN15500	62	-0.48	16.82	-0.52	15.39
CHN	CHN15400	62	2.55	16.94	2.46	15.52
CLN	CLN21900	50	0.78	6	-4.92	-3.02
COD	COD__100	-19.2	2.11	7.82	2.11	7.82
COG	COG23500	-13.2	9.81	14.22	9.68	14.07
COM	COM20700	29	9.93	14.43	9.09	13.14
CPV	CPV30100	-33.5	11.56	15.19	11.56	15.18
CTI	CTI23700	-24.8	5.24	8.67	5.25	8.68
CVA	CVA08500	-1.2	1.68	2.29	-4.13	-3.52
CVA	CVA08300	-1.2	1.68	2.9	-4.13	-3.52
CYP	CYP08600	-1.2	4.62	8.58	-3.37	-2.12
CZE	CZE14402	-12.8	-0.69	2.65	-1.08	2.18
CZE	CZE14403	-12.8	-0.69	2.65	-1.08	2.18
CZE	CZE14401	-12.8	0.03	5.35	-0.43	4.71
D	D 08700	-18.8	-0.38	3.72	-0.36	3.73
DJI	DJI09900	16.8	5.97	9.66	5.76	9.34
DNK	DNK09100	-33.5	1.06	3.86	1.06	3.86
DNK	DNK09000	-33.5	5.14	7.49	5.14	7.48
DNK	DNK__100	-25.2	-0.93	9.55	1.84	12.76
E	HISP33D4	-30	10.1	10.36	10.12	10.38

E	HISPASA4	-30	10.12	10.38	10.14	10.39
E	HISP27D4	-30	10.12	10.38	10.14	10.39
E	HISP33D6	-30	11.1	11.36	11.12	11.38
E	HISPASA6	-30	11.12	11.38	11.14	11.39
E	HISP27D6	-30	11.12	11.38	11.14	11.39
E	E____100	-30	7.59	15.21	7.62	15.23
EGY	EGY02600	-7	9.18	31.61	8.8	21.86
ERI	ERI09200	22.8	1.33	4.46	0.48	3.69
EST	EST06100	44.5	13.78	16.69	5.19	8.34
F	F 09300	-7	-0.44	1.95	-5.23	1.63
F	F____300	140	6.72	12.29	6.72	12.29
F	F____200	140	10.21	13.69	10.22	13.69
F	F____100	-7	16.42	29.02	11.7	24.52
F	OCE10100	-160	999.9	999.9	999.9	999.9
FIN	FIN10300	22.8	0.22	3.86	-0.37	3.17
FIN	FIN10400	22.8	0.22	3.86	-0.37	3.17
FJI	FJI19300	-178	3.28	4.11	3.28	4.11
FSM	FSM00000	158	5.73	9.9	5.71	9.87
G	G 02700	-33.5	4.22	8.75	4.04	8.39
GAB	GAB26000	-13.2	1.7	7.88	1.69	7.85
GEO	GEO06400	23.2	5.99	10.24	-2.06	0.82
GMB	GMB30200	-37.2	1.33	4.69	1.33	4.69
GNB	GNB30400	-30	15.23	16.94	9.64	11.74
GNE	GNE30300	-18.8	13	16.28	13	16.28
GRC	GRC10500	-1.2	-0.56	2.68	-12.47	-10.22
GUI	GUI19200	-37	0.78	3.69	0.78	3.69
HNG	HNG10602	-12.8	-0.69	2.65	-1.08	2.18
HNG	HNG10603	-12.8	-0.69	2.65	-1.08	2.18
HNG	HNG10601	-12.8	0.03	3.33	-0.43	2.91
HOL	HOL21300	38.2	-0.79	2.93	-0.84	2.84
HRV	HRV14803	-12.8	-0.69	2.65	-1.08	2.18
HRV	HRV14801	-12.8	0.03	3.39	-0.43	2.98
HRV	HRV14802	-12.8	-0.69	4.67	-1.08	4.11
I	I 08200	9	11.05	12.58	1.75	3.17

IND	INDB_101	55.8	5.27	8.74	1.1	4.61
IND	IND03700	68	5.18	10.16	2.56	6.58
IND	INDD_100	68	3.03	10.31	2.1	8.94
IND	INDB_102	55.8	-0.23	10.74	-0.44	9.65
IND	INDA_101	55.8	0.54	21.41	-0.53	11.88
IND	INDA_102	55.8	9.33	23.76	5.46	15.53
IND	IND04701	68	40.81	41.62	34.69	35.51
IND	IND04702	68	44.2	47.92	35.31	37.41
INS	INS02800	80.2	14.51	20.41	10.99	17.08
INS	INS03501	104	36.37	40.97	35.84	39.83
INS	INS03502	104	42.11	49.09	35.88	40.41
IRL	IRL21100	-37.2	9.19	12.66	9.19	12.66
IRN	IRN10900	34	-0.25	3.91	-0.71	3.19
ISL	ISL05000	-33.5	1.06	3.86	1.06	3.86
ISL	ISL04900	-33.5	-0.05	16.29	-0.05	16.29
ISR	ISR11000	-4	18.17	23.33	2.26	6.26
J	J 1110E	110	19	24.15	16.71	33.21
J	000BS-3N	109.85	19.17	24.33	16.93	32.62
J	J 11100	110	21.23	26.28	18.48	34.92
J	J 10985	109.85	21.39	26.45	18.69	34.31
JOR	JOR22400	11	5.82	9.92	5.22	9.21
KAZ	KAZ06600	56.4	1.16	8.86	0.44	6.96
KEN	KEN24900	-0.8	1.35	7.14	-29.41	-27.03
KGZ	KGZ07000	50	-1.02	1.65	-1.5	0.99
KIR	KIR__100	176	1.22	11.19	1.22	11.19
KOR	KOR11201	116	28.17	30.98	28.14	30.92
KOR	KOR11202	116	31.82	36.53	31.52	35.97
KRE	KRE28600	140	12.19	14.95	12.19	14.95
KWT	KWT11300	11	7.11	10.09	7.08	10.05
LAO	LAO28400	122.2	0.3	2.76	0.48	2.85
LBN	LBN27900	11	-0.79	4.33	-0.94	4.1
LBR	LBR24400	-33.5	7.68	11.61	7.68	11.61
LBY	LBY28021	-24.8	-0.94	2.18	-0.69	2.92
LIE	LIE25300	-18.8	0.01	3.77	0.05	3.82

LSO	LSO30500	4.8	5.83	10.24	-8.85	-6.56
LTU	LTU06100	23.2	2.97	8.32	0.57	3.85
LUX	LUX11400	28.2	17.65	19.99	5.08	7.69
LVA	LVA06100	23.2	6.16	9.12	-16.27	-12.66
MAU	MAU__100	29	2.59	8.98	-5.2	-1.2
MCO	MCO11600	34.2	2.32	17.68	2.1	13.03
MDA	MDA06300	50	0.45	5.08	-0.03	4.34
MDG	MDG23600	29	27.47	31.61	-3.76	0.7
MHL	MHL00000	146	40.78	43.74	40.78	43.74
MKD	MKD14800	22.8	8.7	11.49	-2.73	2.91
MLA	MLA__100	91.5	11.37	16.42	9.46	14.08
MLD	MLD30600	50	5.2	5.76	4.79	5.29
MLI	MLI__100	-19.2	2.42	8.81	2.42	8.81
MLT	MLT14700	22.8	7.68	9.05	7.24	8.56
MNG	MNG24800	74	8.1	999.9	5.48	9.59
MRC	MRC20900	-25.2	-1.1	2.91	-0.65	3.15
MTN	MTN__100	-36.8	0.31	6.62	0.31	6.62
MWI	MWI30800	4.8	5.44	11.76	-31.23	-30.58
NGR	NGR11500	-37.2	-0.44	4.82	-0.44	4.82
NOR	NOR12100	-0.8	4.37	6.81	3.66	6.09
NOR	NOR12000	-0.8	-0.89	7	-1.03	6.49
NRU	NRU30900	134	17.58	18.75	17.58	18.75
NZL	NZL__100	158	8.35	24.4	8.3	24.31
OMA	OMA12300	17.2	1.99	7.36	1.84	7.09
PHL	PHL28500	98	5.09	9.39	4.94	9.26
PLW	PLW00000	140	7.86	11.86	7.86	11.86
POL	POL13200	50	4.49	6.25	-0.06	1.52
POR	POR__100	-37	-0.06	8.27	-0.14	8.2
PSE	YYY00001	-13.2	8.55	10.71	8.4	10.64
QAT	QAT24700	20	13.65	16.5	12.99	15.39
ROU	ROU13600	50	-0.86	2.7	-2.28	0.68
RRW	RRW31000	11	0.19	4.34	0.17	4.31
RUS	RSTRED11	36	-0.83	1.32	-1.27	0.89
RUS	RSTREA11	36	-0.83	1.32	-1.27	0.89

RUS	RSTRSD11	36	-0.49	1.66	-0.74	1.42
RUS	RSTREA12	36	-1.2	1.78	-1.59	1.38
RUS	RSTRED12	36	-1.2	1.78	-1.59	1.38
RUS	RSTRSD12	36	-0.7	2.37	-0.92	2.13
RUS	RSTRSD21	56	10.98	19.37	5.89	13.49
RUS	RSTRSD22	56	17.2	19.89	11.14	13.9
RUS	RSTRSD51	140	0.06	999.9	0.06	999.9
RUS	RSTRSD52	140	1.63	999.9	1.63	999.9
RUS	RSTRSD31	86	1.94	999.9	1.9	999.9
RUS	RUS00401	110	13.22	999.9	13.22	999.9
RUS	RUS00402	110	20.78	999.9	20.78	999.9
RUS	RSTRSD32	86	999.9	999.9	30.8	999.9
S	S 13800	5	7.16	10.67	6.31	9.47
S	S 13900	5	9.83	12.3	8.21	10.68
SEY	SEY00000	42.5	19.92	21.82	18.55	20.89
SLM	SLM00000	128	13.38	18.66	13.4	18.69
SMO	SMO05700	-178	12.19	13.38	12.19	13.38
SMR	SMR31100	-36.8	10.59	12.67	10.49	12.53
SNG	SNG15100	88	13.02	18.17	13.02	18.17
SRB	SRB14800	-7	1.46	3.4	-7.82	-4.81
SRL	SRL25900	-33.5	9.71	17.71	9.71	17.7
STP	STP24100	-7	13.95	14.05	9.01	13.08
SUI	SUI14000	-18.8	0.26	1.55	0.29	1.57
SVK	SVK14402	-12.8	-0.69	2.65	-1.08	2.18
SVK	SVK14403	-12.8	-0.69	2.65	-1.08	2.18
SVK	SVK14401	-12.8	0.03	3.33	-0.43	2.91
SVN	SVN14800	33.8	5.91	8.32	5	7.31
SWZ	SWZ31300	4.8	3.37	7.63	-3.08	-0.94
SYR	SYR33900	11	-0.73	1.81	-0.85	1.69
SYR	SYR22900	11	-0.7	3.68	-0.86	3.42
TCD	TCD14300	17	4.03	5.63	2.93	4.61
THA	THA14200	98	5.34	8.3	5.16	8.12
TJK	TJK06900	38	1.89	5.8	1.12	4.53
TKM	TKM06800	50	-0.95	2.29	-1.71	1.52

TLS	TLS00000	128	19.62	24.8	19.68	24.89
TON	TON21500	170.75	11.56	12.8	11.56	12.8
TUN	TUN27200	-25.2	-1.2	0.6	-0.91	0.89
TUN	TUN15000	-25.2	-0.43	3.43	-0.35	3.48
TUR	TUR14500	42	7.85	8.72	6.83	7.8
TUV	TUV00000	176	4.66	9.81	4.66	9.81
TZA	TZA22500	11	0.05	3.23	-0.96	2.03
UAE	UAE27400	52.5	26.18	36.74	7.38	10.01
UGA	UGA05100	17	10.73	12.21	10.6	12.03
UKR	UKR06300	38.2	0.25	1.85	-0.43	0.93
USA	PLM33200	170	10.15	15.49	10.15	15.49
USA	MRA33200	121.8	0.23	17.57	0.24	17.59
USA	GUM33102	122	28.57	43.6	28.57	43.6
USA	GUM33101	122	28.57	43.61	28.57	43.61
USA	USAA_102	170	45.46	53.79	45.46	53.79
USA	USAA_101	170	45.45	999.9	45.45	999.9
UZB	UZB07100	33.8	0.28	8.48	-0.39	7.14
VTN	VTN32500	107	14.22	19.41	14.63	19.83
VUT	VUT12801	140	8.87	11.75	8.87	11.74
VUT	VUT12802	140	8.87	13.3	8.87	13.3
ZMB	ZMB31400	-0.8	-1.01	3.4	-23.83	-20.01
ZWE	ZWE13500	-0.8	7.62	10.09	-23.25	-19.16