



WMR Spot Rates - Start & End Dates

ISO	Currency	Start	End	Reason	ISO	Currency	Start	End	Reason
ALL	Albania Lek	01/12/1998			LVL	Latvian Lat	27/05/1997	01/01/2014	EUR#
DZD	Algerian Dinar	01/12/1998			LBP	Lebanese Pound	04/01/1994		
AOA	Angola Kwanza	12/01/2004			LSL	Lesotho Loti	12/01/2004		
ARS	Argentine Peso	04/01/1994			LTL	Lithuanian Litas	27/05/1997	01/01/2015	EUR#
AWG	Aruba Guilder	12/01/2004			LUF	Luxembourg Franc	04/01/1994	01/01/1999	EUR#
AUD	Australian Dollar	04/01/1994			MOP	Macao Pataca	12/01/2004		
ATS	Austrian Schilling	04/01/1994	01/01/1999	EUR#	MKD	Macedonia Denar	12/01/2004		
AZM	Azerbaijan Manat	12/01/2004	01/01/2006	AZN	MGF	Madagascar Franc	12/01/2004	01/01/2005	MGA
AZN	New Azerbaijan Manat	01/01/2006			MGA	Madagascar Ariary	01/01/2005		
BSD	Bahamas Dollar	12/01/2004			MWK	Malawi Kwacha	01/12/1998		
BHD	Bahrain Dinar	04/01/1994			MYR	Malaysian Ringgit	04/01/1994		
BDT	Bangladesh Taka	04/01/1994			MVR	Maldives Rufiyaa	12/01/2004		
BBD	Barbados Dollar	12/01/2004			MTL	Maltese Lira	01/12/1998	01/01/2008	EUR#
BYR	Belarus Ruble	12/01/2004	30/06/2016	BYN	MRO	Mauritanian Ouguiya	27/05/1997	15/06/2018	MRU
BYN	Belarusian Ruble	03/07/2016			MRU	Mauritanian Ouguiya	18/06/2018		
BEF	Belgian Franc	04/01/1994	01/01/1999	EUR#	MUR	Mauritius Rupee	06/03/1996		
BZD	Belize Dollar	15/05/2001			MXN	Mexican Peso	04/01/1994		
BMD	Bermudan Dollar	04/01/1994			MDL	Moldova Leu	12/01/2004		
BTN	Bhutan Ngultrum	12/01/2004			MNT	Mongolia Tugrik	12/01/2004		
BOB	Bolivian Boliviano	04/01/1994			MAD	Moroccan Dirham	09/12/1994		
BAM	Bosnia Herzegovina Mark	12/01/2004			MZM	Mozambique Metical	01/12/1998	03/07/2006	MZN
BWP	Botswana Pula	04/01/1994			MZN	New Mozambique Metical	03/07/2006		
BRR	Brazilian Cruzeiro	04/01/1994	04/07/1994	BRL	NAD	Namibia Dollar	12/01/2004		
BRL	Brazilian Real	04/07/1994			NPR	Nepal Rupee	12/01/2004		
BND	Brunei Dollar	04/01/1994			ANG	Netherlands Antilles Guilder	12/01/2004		
BGL	Bulgarian Lev - OLD	04/01/1994	01/12/1998	BGN	NZD	New Zealand Dollar	04/01/1994		
BGN	Bulgarian Lev	01/12/1998			NIO	Nicaragua Gold Cordoba	12/01/2004		
BIF	Burundi Franc	01/12/1998			NGN	Nigerian Naira	04/01/1994		
CAD	Canadian Dollar	04/01/1994			NOK	Norwegian Krone	04/01/1994		
KYD	Cayman Islands Dollar	15/05/2001			OMR	Omani Rial	04/01/1994		
XAF	Central African Franc	27/05/1997			XPF	Pacifique Franc Franc	12/01/2004		
CLP	Chilean Peso	04/01/1994			PKR	Pakistani Rupee	04/01/1994		
CNY	Chinese R. Yuan	04/01/1994			PAB	Panama Balboa	12/01/2004		
COP	Colombian Peso	04/01/1994			PGK	Papua NG Kina	04/01/1994		
KMF	Comoros Franc	12/01/2004			PYG	Paraguay Guarano	01/12/1998		
CDF	Congo Dem.c Rep. Franc	12/01/2004			PEN	Peru New Sol	04/01/1994		
CRC	Costa Rica Colon	12/01/2004			PHP	Philippine Peso	04/01/1994		
XOF	Cote D'Ivoire Franc	27/05/1997			PLZ	Polish Zloty	04/01/1994	01/01/1995	PLN
HRK	Croatian Kuna	27/05/1997	01/01/2023	EUR#	PLN	Polish Zloty (New)	01/01/1995		
CUP	Cuba Peso	12/01/2004			PTE	Portuguese Escudo	04/01/1994	01/01/1999	EUR#
CYP	Cyprus Pound	27/05/1997	01/01/2008	EUR#	QAR	Qatar Rial	01/12/1998		
CZK	Czech Koruna	09/12/1994			QOF	Qatar Rial Offshore	11/12/2017		
DKK	Danish Krone	04/01/1994			ROL	Romanian Leu	27/05/1997	30/06/2005	RON
DEM	Deutsche Mark	04/01/1994	01/01/1999	EUR#	RON	Romanian Leu (New)	01/07/2005		
DOP	Dominican Republic Peso	12/01/2004			RUR	Russian Rouble	04/01/1994	06/03/1996	RUB
NLG	Dutch Guilder	04/01/1994	01/01/1999	EUR#	RUB	Russian Rouble	06/03/1996		
ECD	East Caribbean Dollar	12/01/2004			RWF	Rwanda Franc	12/01/2004		
XEU	Ecu	04/01/1994	01/01/1999	EUR#	WST	Samoa Tala	12/01/2004		
ECS	Ecuadorian Sucre	09/12/1994			SAR	Saudi Riyal	04/01/1994		
EGP	Egyptian Pound	09/12/1994			CSD	Serbia & Montenegro Dinar	12/01/2004	24/11/2006	RSD & EUR*
SVC	El Salvador Colon	12/01/2004			RSD	Serbian Dinar	24/11/2006		
EEK	Estonian Kroon	27/05/1997	01/01/2011	EUR#	SCR	Seychelles Rupee	12/01/2004		
ETB	Ethiopia Birr	12/01/2004			SLL	Sierra Leone Leone	12/01/2004		
EUR	Euro	01/12/1998			SGD	Singapore Dollar	04/01/1994		
FJD	Fiji Islands Dollar	01/12/1998			SKK	Slovakian Koruna	06/03/1996	01/01/2009	EUR#
FIM	Finnish Markka	04/01/1994	01/01/1999	EUR#	SIT	Slovenian Tolar	27/05/1997	01/01/2007	EUR#
FRF	French Franc	04/01/1994	01/01/1999	EUR#	SBD	Solomon Islands Dollar	12/01/2004		
GMD	Gambian Dalasi	01/12/1998			ZAR	South African Rand	04/01/1994		
GEL	Georgia Lari	12/01/2004			KRW	South Korean Won	04/01/1994		
GHC	Ghana Cedi	27/05/1997	02/07/2007	GHS	ESP	Spanish Peseta	04/01/1994	01/01/1999	EUR#
GHS	Ghana Cedi	02/07/2007			XDR	Special Drawing Rights	02/10/1994		
GRD	Greek Drachma	04/01/1994	01/01/2001	EUR#	LKR	Sri Lanka Rupee	04/01/1994		
GTQ	Guatemala Quetzal	12/01/2004			GBP	Sterling	04/01/1994		
GNF	Guinea Franc	01/12/1998			SDD	Sudan Dinar/Pound	12/01/2004	02/07/2007	SDG
HTG	Haiti Gourde	12/01/2004			SDG	Sudanese Pound	02/07/2007	25/05/2009	See Note 2
HNL	Honduras Lempira	12/01/2004			SRG	Surinam Guilder	12/01/2004	13/02/2004	SRD
HKD	Hong Kong Dollar	04/01/1994			SRD	Surinam Dollar	13/02/2004		
HUF	Hungarian Forint	04/01/1994			SZL	Swaziland Lilangeni	12/01/2004		
ISK	Iceland Krona	27/05/1997			SEK	Swedish Krona	04/01/1994		
INR	Indian Rupee	04/01/1994			CHF	Swiss Franc	04/01/1994		
IDR	Indonesian Rupiah	04/01/1994			TWD	Taiwan Dollar	04/01/1994		
IRR	Iran Rial	12/01/2004	25/05/2009	See Note 2	TZS	Tanzania Schilling	01/12/1998		
IEP	Irish Punt	04/01/1994	01/01/1999	EUR#	THB	Thailand Baht	04/01/1994		See Note 1
ILS	Israeli Shekel	04/01/1994			TOF	Thailand Baht (Offshore)	18/04/2007		See Note 1
ITL	Italian Lira	04/01/1994	01/01/1999	EUR#	TOP	Tonga Pa'anga	12/01/2004		
JMD	Jamaica Dollar	12/01/2004			TTD	Trinidad & Tobago Dollar	12/01/2004		
JPY	Japanese Yen	04/01/1994			TND	Tunisian Dinar	27/05/1997		
JOD	Jordanian Dinar	04/01/1994			TRL	Turkish Lira	04/01/1994	01/01/2005	TRY
KZT	Kazakhstan Tenge	01/12/1998			TRY	Turkish Lira (New)	01/01/2005		
KES	Kenyan Schilling	27/05/1997			AED	UAE	09/12/1994		
KWD	Kuwaiti Dinar	04/01/1994			UGX	Ugandan Schilling	01/12/1998		
KGS	Kyrgystan Som	12/01/2004			UAH	Ukraine Hryvnia	01/12/1998		

WMR Spot Rates - Start & End Dates

ISO	Currency	Start	End	Reason
UYU	Uruguay Peso	09/12/1994		
USD	US Dollar	04/01/1994		
UZS	Uzbekistan Som	12/01/2004		
VUV	Vanuatu Vatu	04/01/1994		
VEB	Venezuelan Bolivar	04/01/1994	01/01/2008	VEF
VEF	Venezuelan Bolivar Fuerte	01/01/2008	17/08/2018	VES
VES	Venezuelan Bolivar Soberano	20/08/2018		
VND	Vietnam Dong	01/12/1998		
YER	Yemen Rial	12/01/2004		
ZMK	Zambian Kwacha	27/05/1997	31/12/2012	ZMW
ZMW	New Zambian Kwacha	31/12/2012		
ZWD	Zimbabwe Dollar	04/01/1994	01/02/2010	ZWL
ZWL	Zimbabwe Dollar	01/02/2010	13/11/2015	See Note 3
ZWL	Zimbabwe Dollar	28/10/2019	31/08/2024	ZWG
ZWG	Zimbabwe Gold	02/09/2024		
TOF	Thai Baht Offshore	18/04/2007	***	
ZDN	Zimbabwe Dollar Notional	18/04/2007	02/06/2008	
CNH	Chinese R Yuan HK	28/02/2011		
IDT	Indonesia Onshore Traded	08/04/2013	07/10/2013	

Notes

- # Although these currencies no longer exist we still provide coverage of them at the rate they were fixed against the EUR.
- * Montenegro use the EUR but are not an official part of the Eurozone
- 1 THB and TOF converged so TOF was discontinued on 08/09/08
They later diverged again so TOF was reintroduced on 29/06/09
- 2 IRR & SRD no longer covered by our service
- 3 Zimbabwe dollar retired - as a result of demonetisation

WMR Forward Rates - Start & End Dates

ISO	Currency	Start	End	Reason
ARS	Argentina	29/03/2004		
AUD	Australia	02/01/1997		
ATS	Austria	02/01/1997	01/01/1999	EUR#
BHD	Bahrain	29/03/2004		
BEF	Belgium	02/01/1997	01/01/1999	EUR#
BWP	Botswana	11/07/2011		
BRL	Brazil	29/03/2004		
BGN	Bulgaria	29/03/2004		
CAD	Canada	02/01/1997		
CLP	Chile	29/03/2004		
CNH	China (HK)	11/07/2011		
CNY	China	11/02/2002		
COP	Colombia	29/03/2004		
HRK	Croatia	29/03/2004	01/01/2023	EUR#
CYP	Cyprus	29/03/2004	01/01/2008	EUR#
CZK	Czech Republic	02/01/1997		
DKK	Denmark	02/01/1997		
XEU	ECU	02/01/1997	01/01/1999	EUR#
EGP	Egypt	29/03/2004	28/10/2022	-
EEK	Estonia	29/03/2004	01/01/2011	EUR#
EUR	Europe	05/01/1999		
FIM	Finland	02/01/1997	01/01/1999	EUR#
FRF	France	02/01/1997	01/01/1999	EUR#
DEM	Germany	02/01/1997	01/01/1999	EUR#
GHS	Ghana	11/07/2011		
GRD	Greece	02/01/1997	01/01/2001	EUR#
HKD	Hong Kong	02/01/1997		
HUF	Hungary	24/10/1997		
ISK	Iceland	29/03/2004		
INR	India	24/10/1997		
IDR	Indonesia	02/01/1997		See Note 1
IEP	Ireland	02/01/1997	01/01/1999	EUR#
ILS	Israel	29/03/2004		
ITL	Italy	02/01/1997	01/01/1999	EUR#
JPY	Japan	02/01/1997		
JOD	Jordan	29/03/2004		
KZT	Kazakhstan	29/03/2004		
KES	Kenya	29/03/2004		
KWD	Kuwait	02/01/1997		
LVL	Latvia	29/03/2004	01/01/2014	EUR#
LTL	Lithuania	29/03/2004	01/01/2015	EUR#
MYR	Malaysia	02/01/1997		See Note 2
MTL	Malta	29/03/2004	01/01/2008	EUR#
MXN	Mexico	02/01/1997		
MAD	Morocco	29/03/2004		
NZD	New Zealand	02/01/1997		
NGN	Nigerian Naira	31/12/2012		
NOK	Norway	02/01/1997		
OMR	Oman	29/03/2004		
PKR	Pakistan	29/03/2004		
PEN	Peru	29/03/2004		
PHP	Philippines	02/01/1997		
PLN	Poland	11/02/2002		
PTE	Portugal	02/01/1997	01/01/1999	EUR#
QAR	Qatar	29/03/2004		
ROL	Romania	29/03/2004	30/06/2005	RON
RON	Romania	01/07/2005		
RUB	Russia	29/03/2004		
SAR	Saudi Arabia	02/01/1997		
RSD	Serbia	11/07/2011		
SGD	Singapore	02/01/1997		
SKK	Slovakia	11/02/2002	01/01/2009	EUR#
SIT	Slovenia	29/03/2004	01/01/2007	EUR#
ZAR	South Africa	02/01/1997		
KRW	South Korea	11/02/2002		
ESP	Spain	02/01/1997	01/01/1999	EUR#
LKR	Sri Lanka	11/07/2011		
SEK	Sweden	02/01/1997		
CHF	Switzerland	02/01/1997		
TWD	Taiwan	02/01/1997		
THB	Thailand	02/01/1997		
TOF	Thai Offshore	18/04/2007	08/09/2008	29/06/2009
NLG	The Netherlands	02/01/1997	01/01/1999	EUR#
TND	Tunisia	29/03/2004		
TRL	Turkey	02/01/1997	01/01/2005	TRY
TRY	Turkey	01/01/2005		
UGX	Uganda	11/07/2011		
GBP	UK	02/01/1997		
UAH	Ukraine	29/03/2004	29/06/2015	-
AED	United Arab Emirates	02/01/1997		
VEB	Venezuela	29/03/2004	01/01/2008	VEF
VEF	Venezuelan Fuerte	01/01/2008	26/05/2014	VES
VES	Venezuelan Bolivar Soberano	20/08/2018	20/08/2018	-
VND	Vietnam	11/07/2011		
ZMK	Zambia	11/07/2011		
ZMW	Zambia	31/12/2012	31/12/2012	

WMR NDF Rates - Start & End Dates

ISO	Currency	Start	End	Reason
CNYNDF	China	28/09/2009		
EGPNDF	Egypt	31/10/2022		
INRNDF	India	28/09/2009		
IDRNDF	Indonesia	28/09/2009		
KZTNDF	Kazakhstan	01/03/2010		
MYRNDF	Malaysia	28/09/2009		
NGNNDN	Nigerian Naira	31/12/2012		
PHPNDF	Philippines	28/09/2009		
RUBNDF	Russia	01/03/2010		
KRWNDF	South Korea	28/09/2009		
TWDNDF	Taiwan	27/09/2010		
UAHNDF	Ukraine	01/03/2010		
VNDNDF	Vietnam	27/09/2010	26/05/2014	-

Notes

- # Although these currencies no longer exist we still provide coverage of them at the rate they were fixed against the EUR.
- 1 IDR introduced capital controls which resulted in no forwards market between 19/02/2001 and 01/06/2007, which is when they were lifted
- 2 MYR introduced capital controls which resulted in no forwards market between 02/09/1991 and 29/07/05, which is when they were lifted

WMR Metal Rates - Start & End Dates

ISO	Currency	Start	End	Reason
XAU	Gold	12/08/2024		
XAG	Silver	12/08/2024		
XPD	Palladium	12/08/2024		
XPT	Platinum	12/08/2024		

About FTSE Russell

FTSE Russell is a leading global provider of index and benchmark solutions, spanning diverse asset classes and investment objectives. As a trusted investment partner we help investors make better-informed investment decisions, manage risk, and seize opportunities.

Market participants look to us for our expertise in developing and managing global index solutions across asset classes. Asset owners, asset managers, ETF providers and investment banks choose FTSE Russell solutions to benchmark their investment performance and create investment funds, ETFs, structured products, and index-based derivatives. Our clients use our solutions for asset allocation, investment strategy analysis and risk management, and value us for our robust governance process and operational integrity.

For over 35 years we have been at the forefront of driving change for the investor, always innovating to shape the next generation of benchmarks and investment solutions that open up new opportunities for the global investment community.

Contact us

To learn more, visit lseg.com/ftse-russell; email info@ftserussell.com; or call your regional Client Service team office:

EMEA +44 (0) 20 7866 1810

North America +1 877 503 6437

Asia-Pacific

Hong Kong +852 2164 3333

Tokyo +81 3 6441 1430

Sydney +61 (0) 2 7228 5659

Disclaimer

© [2024] London Stock Exchange Group plc and its applicable group undertakings ("LSEG"). LSEG includes (1) FTSE International Limited ("FTSE"), (2) Frank Russell Company ("Russell"), (3) FTSE Global Debt Capital Markets Inc. and FTSE Global Debt Capital Markets Limited (together, "FTSE Canada"), (4) FTSE Fixed Income Europe Limited ("FTSE FI Europe"), (5) FTSE Fixed Income LLC ("FTSE FI"), (6) FTSE (Beijing) Consulting Limited ("WOFE") (7) Refinitiv Benchmark Services (UK) Limited ("RBSL"), (8) Refinitiv Limited ("RL") and (9) Beyond Ratings S.A.S. ("BR"). All rights reserved.

FTSE Russell® is a trading name of FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, WOFE, RBSL, RL, and BR. "FTSE®", "Russell®", "FTSE Russell®", "FTSE4Good®", "ICB®", "Refinitiv", "Beyond Ratings®", "WMR™", "FR™" and all other trademarks and service marks used herein (whether registered or unregistered) are trademarks and/or service marks owned or licensed by the applicable member of LSEG or their respective licensors and are owned, or used under licence, by FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, WOFE, RBSL, RL or BR. FTSE International Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator. Refinitiv Benchmark Services (UK) Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator.

All information is provided for information purposes only. All information and data contained in this publication is obtained by LSEG, from sources believed by it to be accurate and reliable. Because of the possibility of human and mechanical inaccuracy as well as other factors, however, such information and data is provided "as is" without warranty of any kind. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the accuracy, timeliness, completeness, merchantability of any information or LSEG Products, or of results to be obtained from the use of LSEG products, including but not limited to indices, rates, data and analytics, or the fitness or suitability of the LSEG products for any particular purpose to which they might be put. The user of the information assumes the entire risk of any use it may make or permit to be made of the information.

No responsibility or liability can be accepted by any member of LSEG nor their respective directors, officers, employees, partners or licensors for (a) any loss or damage in whole or in part caused by, resulting from, or relating to any inaccuracy (negligent or otherwise) or other circumstance involved in procuring, collecting, compiling, interpreting, analysing, editing, transcribing, transmitting, communicating or delivering any such information or data or from use of this document or links to this document or (b) any direct, indirect, special, consequential or incidental damages whatsoever, even if any member of LSEG is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, such information.

No member of LSEG nor their respective directors, officers, employees, partners or licensors provide investment advice and nothing in this document should be taken as constituting financial or investment advice. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any representation regarding the advisability of investing in any asset or whether such investment creates any legal or compliance risks for the investor. A decision to invest in any such asset should not be made in reliance on any information herein. Indices and rates cannot be invested in directly. Inclusion of an asset in an index or rate is not a recommendation to buy, sell or hold that asset nor confirmation that any particular investor may lawfully buy, sell or hold the asset or an index or rate containing the asset. The general information contained in this publication should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Past performance is no guarantee of future results. Charts and graphs are provided for illustrative purposes only. Index and/or rate returns shown may not represent the results of the actual trading of investable assets. Certain returns shown may reflect back-tested performance. All performance presented prior to the index or rate inception date is back-tested performance. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index or rate was officially launched. However, back-tested data may reflect the application of the index or rate methodology with the benefit of hindsight, and the historic calculations of an index or rate may change from month to month based on revisions to the underlying economic data used in the calculation of the index or rate.

This document may contain forward-looking assessments. These are based upon a number of assumptions concerning future conditions that ultimately may prove to be inaccurate. Such forward-looking assessments are subject to risks and uncertainties and may be affected by various factors that may cause actual results to differ materially. No member of LSEG nor their licensors assume any duty to and do not undertake to update forward-looking assessments.

No part of this information may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the applicable member of LSEG. Use and distribution of LSEG data requires a licence from LSEG and/or its licensors.