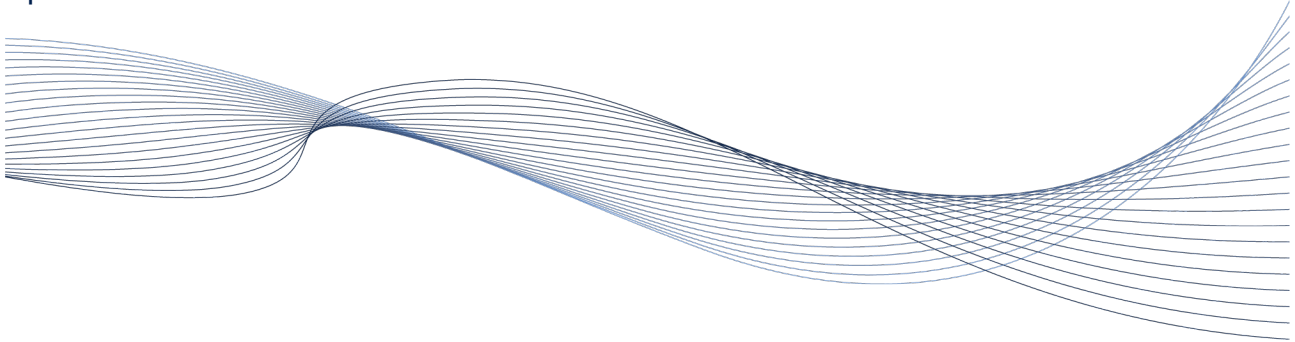


# IRESS Global Solutions

## International Exchange Availability

April 2012



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This document contains information on:

- International exchanges available in IRESS
- International indices available in IRESS
- Exchange update times
- Exchange royalties associated with live data.

### International Exchanges Available in IRESS

Supported World Exchanges	IRESS Exch.Code	Quoted (Multiplier)	Live Level 1	Live Level 2	Delayed Level 1	Delay Time (mins)	End of Day	News	Corporate Actions	Time Series
<b>AUSTRALASIA</b>										
Australia Stock Exchange	ASX/AXW	AUD (1 Cent)	✓	✓	✓	20	✓	✓	✓	✓
ASX 24 (Sydney Futures Exchange)	SFE	AUD (1 Cent)	✓	✓	✓	15	✓			✓
New Zealand Stock Exchange	NZ	NZD (1 Cent)	✓	✓	✓	20	✓	✓	✓	✓
<b>AFRICA</b>										
Johannesburg Stock Exchange	JSE	ZAR (1 Cent)			✓	15	✓			✓
<b>ASIA</b>										
Bombay Stock Exchange	BSE	INR (1 Rupee)			✓	5	✓			✓
Bursa Malaysia	KLS	MYR (1 Ringgit)	✓	✓	✓	15	✓		Coming Soon	✓
Hong Kong Exchange and Clearing Limited	HKE	HKD (1 Dollar)	✓	✓	✓	15	✓		✓	✓
Hong Kong Exchange Futures			Coming Soon							
National Stock Exchange of India	NSE	INR (1 Rupee)					✓			
Indonesia Stock Exchange	IDX	IDR (1 Rupiah)			✓	10	✓			✓

## International Exchanges Continued

Supported World Exchanges	IRESS Exch. Code	Quoted (Multiplier)	Live Level 1	Live Level 2	Delayed Level 1	Delay Time (mins)	End of Day	News	Corporate Actions	Time Series
<b>ASIA Continued</b>										
 Shanghai Stock Exchange	SHG	CNY (1 Yuan)			✓	15	✓			✓
 Singapore Exchange Ltd	SGX	SGD (1 Dollar)	✓	✓	✓	20	✓	✓	✓	✓
 Singapore Exchange Futures		SGD (1 Dollar)	Coming Soon							
 Taiwan Stock Exchange	TAI	TWD (1 Dollar)			✓	20	✓			✓
 Tokyo Stock Exchange	TKS	JPY (1 Yen)			✓	20				✓
 South Pacific Stock Exchange	SPS	FJD (1 Dollar)	✓	✓			✓			
 Stock Exchange of Thailand	BKK	THB (1 Baht)			✓	15	✓			✓
<b>EUROPE</b>										
 Barcelona Stock Exchange	BAR	EUR (1 Euro)					✓			✓
 Deutsche Borse	ETR	EUR (1 Euro)	✓	✓	✓	15	✓		Coming Soon	✓
 Eurex	ERX	EUR (1 Euro)	✓		✓	15	✓			
 Irish Stock Exchange	DUB	EUR (1 Euro)					✓			✓
 London Stock Exchange	LSE	GBP (1 Pence)	✓	✓	✓	15	✓		Coming Soon	✓
 Netherlands Stock Exchange	AMS	EUR (1 Euro)					✓			✓
 NYSE LIFFE	LIF LIC	EUR (1 Euro)	✓		✓	15	✓			
 Paris Stock Exchange	PAR	EUR (1 Euro)					✓			✓
 Russian Trading System Stock Exchange	RTS	RUB (1 Ruble)					✓			✓
 Swiss Exchange	SWX VTX	CHF (1 Franc)					✓			✓
<b>OMX Nordic Exchanges</b>										
 Copenhagen (Denmark Stock Exchange)	CSE	DKK (1Krone)					✓			✓
 Helsinki (Finland Stock Exchange)	HEL	EUR (1 Euro)					✓			✓
 Oslo Bors (Norway Stock Exchange)	OSL	NOK (1 Krone)					✓			✓
 Sweden	STO	SEK (1 Krona)					✓			✓

## International Exchanges Continued

Supported World Exchanges	IRESS Exch. Code	Quoted (Multiplier)	Live Level 1	Live Level 2	Delayed Level 1	Delay Time (mins)	End of Day	News	Corporate Actions	Time Series
<b>NORTH AMERICA</b>										
Chicago Mercantile Exchange	CME	USD (1 Dollar)	✓		✓	10	✓			✓
Chicago Board of Trade	CBT		✓		✓	10	✓			✓
New York Mercantile Exchange (NYMEX)	NYM		✓		✓	10	✓			✓
Commodity Exchange (COMEX)			Coming Soon							
Nasdaq	NAS NQB NQO	USD (1 Dollar)	✓		✓	20	✓		✓	✓
New York Stock Exchange	NYS	USD (1 Dollar)	✓		✓	20	✓		✓	✓
	ARC	USD (1 Dollar)	✓		✓	20	✓		✓	✓
	AME	USD (1 Dollar)	✓		✓	20	✓		✓	✓
Toronto Stock Exchange	TSX TSXV	CAD (1 Dollar)	✓		✓	20	✓			✓
<b>SOUTH AMERICA</b>										
Bovespa (Sao Paulo Stock Exchange)	BSP	BRL (1 Real)					✓			✓
Stock Exchange of Mexico	MEX	MXN (1 Peso)					✓			✓

## International Indices Available in IRESS

Supported World Exchanges	IRESS Exch. Code	Quoted (Multiplier)	Live Level 1	Live Level 2	Delayed Level 1	Delay Time (mins)	End of Day	News	Corporate Actions	Time Series
Dow Jones	DOWJON.IZ				✓	20	✓	✓	N/A	✓
FTSE	FTSE.IZ				✓	15	✓	N/A	N/A	✓
Hang Seng	HNGKNG.IZ				✓	15	✓	N/A	N/A	✓
Nasdaq Futures	NASFUT.ID				✓	20	✓	N/A	N/A	✓
Nikkei	JAPAN.IZ				✓	20	✓	N/A	N/A	✓
S&P 500	SP500.IZ				✓	10	✓	N/A	N/A	✓
S&P Futures	SPFUT.ID				✓	10	✓	N/A	N/A	✓

## Exchange Update Times

IRESS Exch. Code	Day	Local Time				Time Zone
		Trading Hours		Quote	Time Series	
		Start	End	Updated		
<b>AUSTRALIASIA</b>						
ASX	Mon - Fri	10:00	16:00	10:00	21:00	Australia Eastern Standard Time
NZ	Mon - Fri	10:00	17:00	10:00	19:30	New Zealand Standard Time
<b>AFRICA</b>						
JSE	Mon - Fri	9:00	17:00	9:00	19:30	Central Africa Time
<b>ASIA</b>						
BSE	Mon - Fri	9:15	15:30	9:15	18:45	India Standard Time
KLS	Mon - Fri	9:00	17:00	9:00	20:30	Malay Peninsula Standard Time
HKE	Mon - Fri	9:30	16:00	9:30	17:30	China Standard Time
NSE	Mon - Fri	9:00	15:30	18:10	18:40	India Standard Time
IDX	Mon - Fri	9:30	16:00	9:30	17:10	SE Asia Standard Time
BKK	Mon - Fri	10:00	16:30	10:00	18:30	SE Asia Standard Time
SHG	Mon - Fri	9:30	15:00	9:30	16:40	China Standard Time
SGX	Mon - Fri	9:00	17:00	9:00	18:40	SE Asia Standard Time
TAI	Mon - Fri	9:00	13:30	9:00	16:10	China Standard Time
TKS	Mon - Fri	9:00	15:00	9:00	21:00	Tokyo Standard Time

**Exchange Update Times Continued**

IRESS Exch. Code	Day	Local Time				Time Zone
		Trading Hours		Quote	Time Series	
		Start	End	Updated		
<b>EUROPE</b>						
BAR	Mon - Fri	8:00	16:30	19:40	20:10	Central European Standard Time
ETR	Mon - Fri	9:00	17:30	9:00	21:40	GMT Standard Time
DUB	Mon - Fri	8:00	16:30	0:35	1:05	W Europe Standard Time
LSE	Mon - Fri	8:00	16:30	8:00	17:30	GMT Standard Time
AMS	Mon - Fri	9:00	17:30	18:25	18:55	Central European Standard Time
PAR	Mon - Fri	9:00	17:30	18:25	18:55	Central European Standard Time
RTS	Mon - Fri	10:00	23:50	19:30	20:00	Russia Standard Time
SWX	Mon - Fri	9:00	17:30	19:00	19:30	Central European Standard Time
<b>OMX Nordic Exchanges</b>						
CSE	Mon - Fri	9:00	17:00	19:40	20:10	Central European Standard Time
HEL	Mon - Fri	10:00	18:30	19:40	20:10	Central European Standard Time
OSL	Mon - Fri	9:00	17:30	18:05	18:35	Central European Standard Time
STO	Mon - Fri	8:00	17:30	19:40	20:10	Central European Standard Time













**Exchange Update Times Continued**

IRESS Exch. Code	Day	Local Time				Time Zone
		Trading Hours		Quote	Time Series	
		Start	End	Updated		
<b>NORTH AMERICA</b>						
NAS	Mon - Fri	9:30	16:00	9:30	17:30	Eastern Standard Time
NQB	Mon - Fri	9:30	16:00	9:30	17:30:05	Eastern Standard Time
NQO	Mon - Fri	9:30	16:00	9:30	17:30:05	Eastern Standard Time
NYS	Mon - Fri	9:30	16:00	9:30	17:30	Eastern Standard Time
ARC	Mon - Fri	9:30	16:00	9:30	17:30:05	Eastern Standard Time
AME	Mon - Fri	9:30	16:00	9:30	17:30:05	Eastern Standard Time
<b>SOUTH AMERICA</b>						
BSP	Mon - Fri	10:00	17:00	18:40	19:10	Central Brazilian Standard Time
MEX	Mon - Fri	8:30	15:00	17:15	17:45	Mexico Standard Time






# Futures Exchange Update Times

IRESS Exchange Code	Day	Time Series	Time Zone
Australasia			
SFE	Mon – Sat	16:50	Australian Eastern Standard Time
Europe			
ERX	Mon – Fri	22:05	Central European Standard Time
LIF	Mon – Fri	21:01	GMT Standard Time
North America			
CME	Sun – Fri	15:15	Central Standard Time
CBT	Sun – Fri	15:15	Central Standard Time
NYM	Sun – Fri	16:35	Central Standard Time

## Exchange Royalties for Live Data

Supported World Exchanges	IRESS Exch. Code	Exchange News	Level 1 Per Month (Professional user)	Level 1 Per Month (Non-professional user)	Level 2 Per Month (Professional user)	Level 2 Per Month (Non-professional user)	Time Based	Request Based
 Australian Securities Exchange	ASX / AXW				AUD 45	AUD 37.50	\$0.023/ minute capped at full Level 2 Professional/ Non-Professional royalty	\$0.01/ Level 1 quote capped at full Level 2 Professional/ Non-Professional royalty
	SFE				AUD 45	AUD 45		
 Bursa Malaysia	KLS				MYR 75	MYR 2.20		
 Chicago Mercantile Exchange	CME		USD 77 CME E-Mini – USD 27.50	USD 77 CME E-Mini – USD 27.50				
 Chicago Board of Trade	CBT		USD 77 CBOT E-Mini – USD 11	USD 77 CBOT E-Mini – USD 11				
 New York Mercantile Exchange	NYM		USD 77	USD 77				
 Deutsch Borse	ETR		EUR 62	EUR 17	EUR 75	EUR 22		
 Dow Jones Global Retail	DJGR	AUD15						
 Dow Jones International News	DJI	AUD75						
 Eurex	ERX		EUR 27.5	EUR 8.8				
 Hong Kong Exchange and Clearing Limited	HKE		HKD 132	HKD 132	HKD 220	HKD 220		
 London Stock Exchange	LSE		GBP 41	GBP 5	GBP 173	GBP 7		
 Nasdaq	NAS NQB NQO		USD 22	USD 1.10				

### Exchange Royalties for Live Data Continued

Supported World Exchanges	IRESS Exch. Code	Exchange News	Level 1 Per Month (Professional user)	Level 1 Per Month (Non-professional user)	Level 2 Per Month (Professional user)	Level 2 Per Month (Non-professional user)	Time Based	Request Based
 New York Stock Exchange	NYS		(Device) 1 – USD140 .00 2 – USD 87.50 3 – USD 64.10 4 – USD 58.30 5 – USD 52.50 6 to 9 – USD 43.75 10 to 19 – USD 34.95 20 to 29 – USD 33.30 30 to 99 – USD 30.25	USD 1.10 (first 250,000 users)				
	AME		USD 33.20 USD16.05 last sale + USD17.15 bid/ask	USD 1.10				
 New Zealand Stock Exchange	NZ				NZD 75 (Incl. News)	NZD 25 (Incl. News)		
 NYSE LIFFE	LIF LIC		Equity and Index derivatives – EUR 37.40 Commodities derivatives – EUR 19.80	Equity and Index derivatives – EUR 1.10 Commodities derivatives – EUR 1.10				
 Singapore Exchange Ltd	SGX	SGD6*	SGD 11	SGD 11	SGD 66	SGD 66		
 Toronto Stock Exchange	TSX		1 to 99 users (outside) – USD 64 100+ users (outside) – USD 50	USD 11 (outside)	Market by Price USD 33 (outside) Market Book USD 55 (outside)	Market by Price USD 10 (outside) Market Book USD 33 (outside)		
	TSXV			USD 27.50 (outside)	Market by Price USD 17.60 (outside) Market Book USD 28.60 (outside)	Market by Price USD13.20 (outside) Market Book USD 26.40 (outside)		

\* Live headlines and delayed news free with subscription to IRESS International Markets Live (IML).

**Note:** A 10% administration charge is included in Exchange Royalties for exchanges outside Australia and New Zealand.