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Aluminium of Greece	✗	✓	✓	✗
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CMA Inc	✓	✓	✓	✗
CQG International	✓	✓	✓	✗
E*Broker	✓	✗	✓	✗
E*TRADE Korea Ltd.	✓	✗	✓	✗
Edaily Co.Ltd	✓	✗	✓	✗
eSignal/Futuresource	✓	✓	✓	✗

FactSet Research Systems Inc.	✓	✓	✓	✓
Fastmarkets.com	✓	✓	✓	✓
Fidessa	✓	✓	✓	✗
MetalsMarket.Net	✓	✓	✓	✗
FT Support srl	✓	✓	✓	✓
Hithink Flush Information Network Co. Ltd	✓	✗	✓	✗
Imagine Software	✓	✓	✓	✗
I-Net Bridge	✗	✓	✓	✗
Infront	✓	✓	✓	✗
Interactive Data	✓	✓	✓	✓
IRESS	✗	✓	✓	✗
Ji Ji Press	✗	✓	✓	✗
Kiodex	✓	✓	✓	✗
LMElive	✓	✓	✓	✗
Markit Group Limited	✓	✓	✓	✗
Matriks	✓	✓	✓	✗
Metal Bulletin	✓	✓	✓	✗
Metal on Market	✓	✓	✓	✓
Metal Radar	✓	✗	✓	✓
Metalprices.com	✓	✓	✓	✗
Metalquote	✓	✓	✓	✗
Morningstar	✓	✓	✓	✓
Peony Online, Inc	✗	✓	✓	✗
Platts	✗	✓	✓	✗
Prime Tass	✓	✓	✓	✓
Proquote	✓	✓	✓	✗
Quick Corp	✓	✓	✓	✗
Radiocor	✓	✓	✓	✗
Samsung Futures Inc	✓	✗	✓	✗
Shanghai Wind	✓	✗	✓	✗
SIX Telekurs	✓	✓	✓	✓
Suedkupfer	✓	✗	✓	✗
SunGard Global Trading	✓	✓	✓	✓
Systemx	✓	✓	✓	✓
Telequote Data International	✓	✗	✓	✗
Telvent DTN, Inc.	✓	✓	✓	✗
Thomson Reuters	✓	✓	✓	✓
Tickerplant	✓	✗	✓	✗
Townsend Analytics/ReaTick	✓	✓	✓	✗
Traderforce	✓	✗	✓	✗
Valor Economico S/A	✓	✓	✓	✗
VWD	✓	✓	✓	✓
Xignite	✗	✓	✓	✗

regime	✓	✗	✓	✗
Yonhap Infomax	✓	✗	✓	✓

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LME Prices and Reports

A guide for data users

Market Data

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This guide to the key LME prices and reports has been designed for data users to quickly get to grips with industry reference prices for non-ferrous metals published by the London Metal Exchange. In addition to Non-Ferrous Metals Futures, Options and TAPOs the LME trades Steel Billet, Cobalt and Molybdenum futures contracts. This document is not a full and complete analysis of all data published by the Exchange but rather a guide to the essential data most commonly used and requested.

Background Information about the London Metal Exchange

The London Metal Exchange allows members to trade internationally 24-hours a day via three trading platforms: the Ring, LMEselect and the inter-office telephone market. Market data generated from trading activity is streamed live directly to approved data distributors.

A summary of prices by trading venue

Futures Prices from the Ring <i>(Open Outcry Trading)</i> 11:40 – 17:00 UK Time	Futures Member Contributed Prices <i>(Interoffice Telephone Market)</i> 24 Hours / Monday – Friday	Futures and Options Prices from LMEselect <i>(Electronic Trading)</i> 01:00 – 19:00 UK Time
Daily Official and Settlement Prices – Non – Ferrous Metals and Steel Billet (Approx 13:15 UK Time Daily)	Contributed prices are input by Category 1 (Ring Dealing) and Category 2 (Associate Broker Clearing) Members	Pre-trade best bid and ask pairs with aggregate volume
Official Settlement FX rates for Euro, GBP and Yen and Daily moving monthly average FX.	All prices indicative (soft quote) in bid / ask pairs in US Dollars.	Post trade prices with traded volume
Separate Bid, Ask and traded prices for any futures contract quoted as an outright or spread. (No volume published.	Prices for 3 month outright contracts, nearby and far forward spreads prices and average prices contributed for futures only.	Market Depth – Best five (5) bids / ask pairs and volume for 3 Month Futures Contracts.
Daily Official Index value		Open, High, Low, Last traded 3 Month Prices published at 19:00 UK daily.
Daily Unofficial Prices for all contracts following Ring 4 open outcry trading (Approx 15:40 UK Time)		

- Please note: All LME prices are quoted in US / tonne unless specified.

Listed below are the different types of data provided by the LME. Please note that this is a reference guide for the different types of data only and does not include technical specifications of the data.

1. Daily official and settlement prices

The LME publishes daily official prices (both bid and offer) for all non-ferrous metals traded on the Exchange. The settlement price is the official cash seller's price (offer) for contract settlement in two days' time (T+2).

The LME publishes the daily official metal prices from the last bid and offer prompt dates for cash, 3 months, 15 months, 27 months, DEC1, DEC2 and DEC3. They are discovered from open-outcry trading close of the second ring trading session.

Official and Settlement prices are very important, as the industry use these as the basis for pricing physical contracts and LME prices are the industry accepted reference price.

All LME prices are reported in US Dollars per metric tonne.

2. Daily unofficial prices

Unofficial prices are discovered in ring 4, from the last bid and offer prompt dates for cash, 3 months, 15 months, 27 months, DEC1, DEC2 and DEC3. They give a snapshot of the afternoon trading, which provides a reference for markets opening in other time zones and geographies.

3. Daily Indicative Closing Prices (Futures Evening Evaluations)

The Indicative Evening Evaluations (with spreads and outright prices) will be published daily at the start of kerb trading at 16:15 UK time, for all metals. The prices are published in US Dollars and are a reflection of the forward price curve for each metal on a real-time basis, subject to the discretion of the Quotations Committee.

4. Daily Closing prices (Futures Evening Evaluations)

LME Quotations Committee determines the Evening Evaluations using the closing prices for all LME contracts from the close of kerbs 8 and 9 at the end of open outcry trading (17:00 UK). For more information about the establishment of closing prices please see http://www.lme.com/price_discovery.asp. They are used by the LCH.Clearnet for daily margining of member positions. Provisional (with spreads and outright prices) and Final prices (with spreads outright prices) are published in US Dollars for each available forward Futures prompt date by contract. Prices for Euro, GBP and Yen are also published with the Final Evening Evaluations.

5. Options Contributed Volatilities and Strikes

Published at the end of the trading day at 18:15 UK Time. Closing Volatilities is contributed in delta space and converted by LME into corresponding raw Strikes in the MDD CVS report (data source: LMEcvrs system): this report contains the closing volatilities contributed by major options trading LME members at the end of the trading day. The volatilities are provided for five Delta points: -10 delta, -25 delta, +50 delta, +25 delta, +10 delta and At The Money (ATM). The volatilities are averaged in LMEcvrs before they are published. The wing volatilities (-10,-25,+50,+25,+10 deltas) are displayed as differentials to the 50 delta value. The LME calculates the corresponding raw strikes to each of the delta points as opposed to LCH.Clearnet which can only accept gradated/recognised strikes. The LME closing volatilities reflect the prevailing market sentiment from those LME members that trade

significant volume of Exchange Traded, Member to Member, Options contracts in each of the metals in the previous calendar quarter.

6. LMEselect Tick Data

Bid / ask and traded prices and volume are transmitted for all trading on the LME's Electronic Trading System LMEselect. Trading on LMEselect is auto matched and cleared and are transmitted in real time to vendors.

7. LMEswaps

LMEswaps are monthly futures contracts, available for the eight non-ferrous metals: aluminium, aluminium alloy, copper, nickel, tin, zinc and lead. They are settled financially against the floating Monthly Average Settlement Price (MASP) at the end of the averaging month. LMEswaps will be traded only on LMEselect (electronically) and telephone (inter-office).

8. Select Order Book

The five best bids/ offers and volume for each contract is transmitted from the LME's electronic trading platform LMEselect showing the market depth of trading.

9. LMEselect Open High Low Close (OHLC)

Each trading day at 19:00 UK Time, the OHLC from the LMEselect system is published for the 3 month prompt date (provided the contract has traded on the particular business day).

10. LME Asian Benchmark Price

The LME Asian Benchmark Price is published daily from the LME at 07:30am UK time (London local time during winter GMT hours) and at 08:30am UK time (London local time during Summer BST hours). This price serves as an unofficial marker for the end of trading in Asia and start of trading in Europe.

The LME Asian Benchmark Price is available for LME Aluminium, LME Copper and LME Zinc and is calculated on the 3 month average LMEselect trades using a trade weighted average price over a 15 minute pricing period between 07:00-07:15am UK time in winter and between 08:00-08:15am UK time in Summer.

11. Daily index value

At 18:30 UK time the LME publishes the daily official index value. The value is an indicator of daily price movement as a whole across all LME metal contracts.

Index weighting

Weightings of the six metals are derived from global production volume and trade liquidity averaged over the preceding five-year period.

Constituent metal	Primary Aluminium	Copper	Lead	Nickel	Tin	Zinc
Approx no of lots	25	20	5	5	3	8
Tonnage	625	500	125	30	200	200

Volume weighting	41.8	33.4	8.4	2.0	1.0	13.4
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The index value is calculated as the sum of the prices for the three qualifying months multiplied by the corresponding weights, multiplied by a constant. For more information please visit <http://www.lme.com/lmex.asp>

12. Reports

12.1. Open Interest

The LME publishes two types of open interest: Exchange Open Interest (EOI) and Market Open Interest (MOI). Both EOI and MOI are reported in lots by contract, by prompt and in the case of options and TAPOs, by strike and by call or put.

12.1.1. Exchange Open Interest (EOI)

EOI is a calculation produced by LCH.Clearnet representing its exposures to clearing members. It shows the open positions and the calculations are based on registered contracts between LME clearing members only recorded on the Matching System. This is a daily report published one business day in arrears.

12.1.2. Market Open Interest (MOI)

MOI is a calculation produced by the LME's Compliance Department that represents the open interest of both LME clearing members and non-clearing members and their clients for each prompt date. MOI is calculated from the open positions reported to the LME by members. MOI is an indication of the liquidity and depth of the market and is published daily two business days in arrears.

12.2. Warrant banding

The warrant banding report is a daily report showing the number of market participants with certain concentrations of LME warrants.

It is reported by metal and is displayed in five bands: 30 - <40%, 40 - <50%, 50 - <80%, 80 - <90%, 90 - 100%. It is reported 2 business days in arrears.

Whenever a participant's holdings of LME warrants is 30% or more of the total LME warrants it appears in the respective band below.

The report also displays the percentage of LME live warrants that remain unreported for each contract.

12.3. Futures banding

The futures banding report is a daily report showing the number of market participants holding futures positions as a percentage (%) of Market Open Interest.

The futures banding report is presented by contract (including LMEX), by long and short position, by prompt date. The prompt date is indicated as M1, M2 and M3 representing the three nearby third Wednesday prompt dates, or second Wednesday prompt dates in the case of LMEX contracts.

The positions are broken down into five 'bandings' in terms of the size of the positions as a percentage of Market Open interest for that particular third Wednesday prompt date : 5- <10%, 10-<20%, 20-<30%, 30-<40%, 40%>. It is reported 2 business days in arrears.

Note that M1, M2 and M3 represent the three nearby third Wednesday prompts. Each of them roll on the Monday before the third Wednesday.

12.4. Warrant cash banding (WC banding)

The Warrant Cash is a daily report showing the number of market participants with concentrations of LME Warrant holdings Cash Today ("Tom "), Cash and Cash plus one day positions as a percentage of live stock by contracts, in five bands: 30 - <40%, 40 - <50%, 50 - <80%, 80 - <90%, 90% >. The report is published two business days in arrears. The dominance of positions indicated may no longer be valid at the time of publication.

The key component of this calculation – live stocks – is LME live warrants for the metals/plastics. It does not include holdings of metals where the warrant has been cancelled.

12.5. Warrant tom banding (WT banding)

The warrant Tom (WT) is a daily report showing the number of market participants with concentrations of positions by metals, in five bands: 30 - <40%, 40 - <50%, 50 - <80%, 80 - <90%, 90%>. The aggregate of a participant's LME warrant holdings and Cash Today ("Tom") positions as a percentage of total stock at close of business as of two days ago. The positions indicated may no longer be held.

The denominator of this ratio – total stocks – is LME live warrants for the metal. It does not include holdings of metals not yet placed on warrant or where the warrant has been cancelled.

12.6. Matched trades

Details matched and cleared trades for each contract between members. Ring Trades must be matched up to 30 minutes after the end of the each contract's trading session. Similarly Telephone trades must be matched up to 30 minutes after traded.

12.7. Daily futures volumes (turnovers)

The Futures Trading Volume Summary published 4 times throughout each business day updates total traded volume for each period of the trading day in lots. The total official volume for the previous business day is provided in USD, LME clearing currencies GBP, Euro and Japanese Yen. Futures Trading Volume Detailed Report provides traded volume in lots for each available prompt date and is published daily at 10:15 UK Time.

12.8. Daily options volumes

The Options Trading Volume Summary published 4 times throughout each business day providing the cumulative traded volume for each period of the day by call/put and a total in lots. The total official volume for the previous business day for calls and puts and a total is confirmed.

12.9. Provisional or auto declared options report

These are 2 separate monthly reports sent as provisional and final auto-declared traded options. The report consists of 3 strike prices: the ATM (at-the-money) strike price, the strike price equal to 2 gradations above the ATM and 2 gradations below the ATM. The report is provided by commodity type and month. The provisional report is made available at 18:00 hours UK time on declaration day (Tuesday before 1st Wednesday of the month). The Auto Declared report is made available only on the declaration day at 19.30 hours UK time.

Data is supplied for all contracts that are tradable options. The lower strike threshold is the highest strike at which call options will be exercised. The higher strike threshold is the lowest strike at which put options will be exercised.

12.10. Notional Average Prices (TAPO)

The notional average prices for the TAPOS contracts on a monthly basis. The report provides the price data by commodity and month. It is provided at 19:00 UK time on each trading day.

12.11. Final auto exercise strike price

The strike price report for auto exercised LME option contracts.

12.12. Daily warehouse stocks movement report

The reporting period for daily stock movements in and out of LME registered warehouses is from 16.30 the previous day until 16.30 on the day to which the stock report refers.

The stock report is then published to the market daily at 9.00 the following day. For example, the LME stock position as at 16.30 on 10th November is reported at 09.00 on the 11th November, and so on.

This report provides an overview of the quantity of material (in metric tonnes) of LME approved brands currently held on warrant in LME approved warehouses.

See below for a quick guide to understand the report. These are general warehousing terms for further clarification. Please note that the warehouse stocks are reported in tonnage, not lots.

Detail on stocks delivered in/out; live and cancelled warrants (tonnage) is provided by location.

Opening Stock	The opening stock is the closing stock from the previous day's report.	
Delivered In	Quantity of metal/plastic for which LME warrants have been issued during the reporting period (business day).	
Delivered Out	Amount of metal/plastic that has physically been removed from the warehouse company environment/location during the reporting period. A movement of metal/plastic corresponding to 50% of any warrant lot is considered a full delivery for reporting purposes.	
Closing Stock	The opening stock plus the delivered in stock minus the delivered out stock.	
	Open tonnage (live warrants) Warrants in free circulation (i.e. tradable, not cancelled)	Cancelled tonnage (cancelled warrants) Warrants that have been cancelled and are therefore no longer available for trade - tonnage waiting for the owner's instructions to the warehouse company for removal from the warehouse <i>or</i> possibly re-issue of warrants. Please note that there is no overall effect on the closing stock until the cancelled tonnage is physically removed from the warehouse.

12.13. Monthly average official and settlement prices

The average of the daily official settlement prices for the month published once a month on the last trading day of the month for Futures Contracts and TAPOs.

13. Prompt date calendar report

Each trading day at 00:01 The LME transmits the Prompt Date Calendar Report which confirms the key prompt dates for the current trading day on the LME. This report confirms the date roll for the cash, 3M and standard prompt dates and is vital for accurate display of key prices as it takes account of non prompt dates and UK banking holidays and Exchange closures.

11. Summary of Report and Price Schedules

11.1 LME Report Schedule Summary

Report Code	Report Name	Scheduled Report Time
1 ABR	The LME Asian Benchmark Price	07:30
2 MOI	Market Open Interest	08:45
3 WSM	Warehouse Stock Movements	09:00
5 FIS	Future Open Interest Summary	09:10
6 OIS	Options Open Interest Summary	09:10
7 OMT	Options Matched Trades	09:30
8 OTS	Options Trading Volume Summary	10:00
9 FTS	Futures Trading Volume Summary	10:00
10 FID	Futures Open Interest Detail	10:15
11 FTD	Futures Trading Volume Detail	10:15
12 OID	Options Open Interest Detail	10:30
13 OTD	Options Trading Volume Detail	10:30
14 FBN	Futures Banding	11:00
15 WHL	Warrant Holdings	11:00
16 WHC	Warrant Holdings Cash	11:00
17 WHT	Warrant Holdings Tom	11:00
18 OTS	Options Trading Volume Summary	12:20
19 FTS	Futures Trading Volume Summary	12:20
20 OMT	Options Matched Trades	12:30
21 OTS	Options Trading Volume Summary	14:20

22 OMT	Options Matched Trades	14:30
23 FTS	Futures Trading Volume Summary	15:45
24 OMT	Options Matched Trades	16:00
25 OTS	Options Trading Volumes Summary	16:00
26 FTS	Futures Trading Volume Summary	16:00
27 OMT	Options Matched Trades	16:00
28 OMT	Options Matched Trades	18:00
29 CVS	Contributed Volatilities and Strikes	18:15

11.2 LME Price Transmission Summary

Price	Scheduled Transmission Time*
Member Indicative Quotes	From 00:01 (Start of Trading Day) / 24 hours
LMEselect Prices	From 01:00 – 19:00
Ring Prices	From 11:40 - 17:00
Official and Settlement Prices - Metals	From 13:15 at close Ring 2 Trading Session
Indicative Evening Evaluation (All contracts, Futures)	From 17:45 (approx)
Provisional Evening Evaluations (All contracts, Futures and Options)	From 17.30 (approx)
Final Evening Evaluations (All contracts, Futures and Options)	From 17.50 (approx)

* All times are UK (GMT or BST)

SUMMARY OF KEY PRICES BY LME CONTRACT TYPE

NON-FERROUS METALS

Tradable contract types	Official Prices	Settlement Prices	Unofficial Prices	Indicative Evening Evaluations (Closing Prices)	Provisional Evening Evaluations (Closing Prices)	Final Evening Evaluations (Closing Prices)	Matched Trades	Member Indicatives	Monthly Moving Average Price (MMAP)	Monthly Average Settlement Price (MASP)	Closing Premiums/Final ATM Strike Prices/Final ATM Volatilities
Outright Futures	•	•	•	•	•	•	•	•			
Carry Futures				•	•	•	•	•			
Traded Options					•	•	•				•
TAPOs					•	•	•		•	•	•
LMEmini					•	•	•				
LMEX	•						•				

SUMMARY OF KEY PRICES BY LME CONTRACT TYPE

STEEL (Launched 2010)

Tradable contract types	Official Prices	Settlement Prices	Unofficial Prices	Indicative Evening Evaluations (Closing Prices)	Provisional Evening Evaluations (Closing Prices)	Final Evening Evaluations (Closing Prices)	Matched Trades	Member Indicatives
Outright Futures	•	•	•	•	•	•	•	•
Carry Futures				•	•	•	•	•

MINOR METALS (Launched 22 February 2010)

Tradable contract types	Official Prices	Settlement Prices	Indicative Evening Evaluations (Closing Prices)	Provisional Evening Evaluations (Closing Prices)	Final Evening Evaluations (Closing Prices)	Matched Trades	Member Indicatives
Outright Futures	•	•	•	•	•	•	•
Carry Futures			•	•	•	•	•

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Market data

Accessing LME Market Data

The London Metal Exchange operation allows brokers to trade internationally 24-hours a day via three trading platforms; [the Ring](#), [LMEselect](#) and the [Inter-office telephone market](#). Market Data generated from this trading is streamed directly to distributors live, in real time.

The LME's products are differentiated by the timing of their delivery. They range from "real time" where end users can receive constant data messages and market reports to "30 minute delayed" data, next day and [historical data](#).

Real time data

The Exchange distributes real time information 24 hours a day via our [licensed real-time market data distributors](#) and via [LMElive](#) on a subscription basis. These distributors can make this data available to end users for a monthly subscription fee.

Delayed data

We also offer a "30 minute" delayed data service which is also accessible via our [licensed delayed market data distributors](#) and direct from the LME via [LMElive](#). This service may be more appropriate to those end users who wish to regularly monitor market activity but not constantly in real time.

Next day data

Next day data (published after midnight UK time) can also be accessed via our market data distributors. This data could suit your requirements if you are more interested in a daily overview of the market activity and is often provided by trade publications and news providers.

Free LME data

The LME offers a limited suite of delayed data products free of charge on this website after registration. Data offered includes:

Metals	Reports	LMEmini
Official prices Opening stocks Daily index value Monthly averages	Open interest WB, WT, WC banding Futures banding Monthly volumes for all contracts Graphing facility for LME official prices	Settlement prices Daily closing prices

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