Methodology and specifications guide
Metallurgical coal

Latest update: November 2018

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INTRODUCTION

Platts methodologies are designed to produce price assessments that are representative of market value, and of the particular markets to which they relate. Methodology documents describe the specifications for various products reflected by Platts assessments, the processes and standards Platts adheres to in collecting data, and the methods by which Platts arrives at final assessment values for publication.

Platts discloses publicly the days of publication for its price assessments, and the times during each trading day in which Platts considers transactions in determining its assessments levels. This schedule of publication is available on Platts website, at the following link: http://www.platts.com/HolidayHome.

The dates of publication and the assessment periods are subject to change in the event of outside circumstances that affect Platts ability to adhere to its normal publication schedule. Such circumstances include network outages, power failures, acts of terrorism and other situations that result in an interruption in Platts operations at one or more of its worldwide offices. In the event that any such circumstance occurs, Platts will endeavor, whenever feasible, to communicate publicly any changes to its publication schedule and assessment periods, with as much advance notice as possible.

Platts methodologies have evolved to reflect changing market conditions through time, and will continue to evolve as markets change. A revision history, a cumulative summary of changes to this and previous updates, is included at the end of the methodology. Methodology is reviewed regularly to ensure it reflects current market reality. Such reviews are carried out by Platts reporters and their managers, supplemented and supported by price methodology specialists who operate separately from the reporting teams. Platts follows a clearly defined process for public consultation on material changes to its methodologies. This process is based on full transparency and communication with industry stakeholders aimed at gaining market acceptance for any proposed introduction or changes to methodology. For more information on the review and approval procedures, please visit: https://www.spglobal.com/platts/en/our-methodology/methodology-review-change

All Platts methodologies reflect Platts commitment to maintaining best practices in price reporting.

How this methodology statement is organized

This description of methodology for assessments is divided into seven major parts (I-VII) that parallel the entire process of producing the end-of-day price values.

- Part I describes what goes into Platts assessments, including details on what data market participants are expected to submit, the process for submitting data and criteria for timeliness of market data submissions, as well as the editorial collection of input data from market sources.
- Part II describes any security and confidentiality practices that Platts uses in handling and treating data, including the separation between Platts price reporting and its news reporting.
- Part III is a detailed account of how Platts collects bids, offers, trades and other market data, and what Platts does with the data to formulate its assessments. It includes descriptions of the methods that Platts uses for reviewing data, and the methods used to convert raw data into assessments. This also includes the procedures used to identify anomalous data. This section describes how and when judgment is applied in this process, the basis upon which transaction data may be excluded from a price assessment, and the relative importance assigned to each criterion used in forming the price assessment. This section describes the minimum amount of transaction data required for a particular price assessment to be published. This is based on reported transactions and other market information. Finally, this section describes how Platts addresses assessment periods where one or more reporting entities submit market data that constitute a significant proportion of the total data upon which the assessment is based.
- Part IV explains the process for verifying that published prices comply with Platts standards.
- Part V lays out the verification and correction process for revising published prices and the criteria Platts uses to determine when it publishes a correction.
- Part VI explains how users of Platts assessments can contact Platts for clarification of data that has been published, or to share a complaint. It also describes how to find out more about Platts complaint policies.
- Part VII is a list of detailed specifications for the trading locations and products for which Platts publishes assessments for a particular commodity. This section describes why specific units of measurement are used, and what conversion factors are used to move between units of measurement, where relevant.

PART I: INPUT DATA

Platts objective is to ensure that input data that editors use as the basis for their price assessments is of the highest quality. Ensuring that data used in Platts assessments is of high quality is crucial to maintaining the integrity of Platts various price assessment processes.

Platts encourages entities that submit any input data for consideration in its assessment processes to submit all market data that they have which may be relevant to the assessment being made. Platts aim is to determine the full circumstances surrounding all reported transactional data, including details of quality, specifications, order sizes, dimensions, lead times and any locational and loading/delivery information. Platts uses that...
information to determine a typical and repeatable market level for the commodity being assessed.

**Reporting data to Platts**

Platts assesses a variety of different markets and commodities. In some of these Platts receives information from back office functions. However, in many markets back office functions are not best placed to communicate relevant market data to Platts editors, and in these instances Platts has processes in place to ensure that data is corroborated either through reviews of entities participating in its process, or through source validation and publication of information.

As part of its standard editorial practise, Platts routinely reviews the companies participating in its price assessment processes. These reviews ensure the suitability of data and information that are used to formulate Platts end-of-day price assessments. These reviews are conducted on a regular basis, and may take into consideration an array of issues including, but not limited to, adherence to editorial guidelines, operational and logistical issues, as well as counterparty acceptance. Further details concerning Platts MOC Participation Guidelines can be found online at [https://www.platts.com/market-on-close](https://www.platts.com/market-on-close).

The reviews are not designed to impede a company's ability to bilaterally engage in market transactions; the objective at all times is to ensure the integrity of published price assessments. Platts does not disclose the nature or scope of routine reviews of data providers that participate in its price assessment activities.

Platts may consider verifiable data reported and published through the day as provided for publication by individual sources, through established editorial methods.

Platts has developed guidelines for Management of Sources that address source identification, source evaluation, source development, using source information and source dependency. Individual sources are verified as per Platts Source Management Guidelines.

Platts considers several criteria as whether to use source information. These criteria include:

- Company reputation
- Source position within a company
- Source understanding and knowledge of the market in question
- Ability of source to provide relevant, valuable information
- Ability of Platts to verify information with other sources
- Source credibility

**What to report**

Platts encourages all market participants to submit all data that may be relevant to Platts assessments, including but not limited to:

- Firm bids that are open to the marketplace as a whole, with standard terms
- Firm offers that are open to the marketplace as a whole, with standard terms
- Expressions of interest to trade with published bids and offers, with standard terms
- Confirmed trades
- Indicative values, clearly described as such
- Reported transactional activity heard across the market, clearly described as such
- Other data that may be relevant to Platts assessments

**How to report**

Platts accepts any reasonable method of delivery/communication for information provided for publication in real-time, including for bids, offers and transactions. Platts editors typically communicate with market participants through phone, eWindow (if relevant) and/or online instant messaging systems.

Platts tries to accommodate the communication needs of its customers and will endeavor to open any additional communication channels required. Other means of communication, such as emails during the assessment process, are acceptable but are considered to be atypical. If a market participant chooses to communicate with Platts editorial using such atypical means, this needs to be highlighted well ahead of the assessment process.

The following reporting methods are accepted by Platts editorial staff:

- Commonly used Instant Messaging software
- eWindow
- Telephone
- Email

Reporters covering the markets in Asia and the Middle East are contactable from around 09:30 to around 18:30 Singapore time, those covering Europe and Africa from around 09:30 to around 18:30 London time, and those covering the Americas from around 08:30 to around 17:30 Houston time.

**MOC data publishing principles**

The Platts Market on Close (MOC) assessment process establishes core standards for how data is collected and published, how data is prioritized by value, and ultimately how data is analyzed in the course of completing Platts assessments.
Transparency underpins Platts data publishing processes. Under Platts MOC guidelines for collecting and publishing data, Platts publishes market information including but not limited to firm bids and offers, expressions of interest to trade and confirmed trades that are received from market participants throughout the day.

This information is published in real-time, as it is received, on Platts information services. Platts publishes all information received so that it can be fully tested by the market at large. Information collected and published includes the identities of buyers and sellers, confirmed prices, volumes, location, and stated trading terms.

Platts assessments are designed to reflect repeatable market value at the close of the assessment process. Platts tracks market price evolution during the entire day, and publishes a wide range of data relating to market value as it does so. All data that has been published through the day is analyzed during the assessment process. Towards the close of the day, Platts focuses its assessment process to publish named firm bids and offers, expressions of interest to trade and confirmed trades, with all relevant details. This transparent data is prioritized in the assessment process, because it is available to the entire market for testing.

In order to ensure that all firm bids and firm offers that still stand at the close of the assessment process have been fully tested in the market at large, Platts has established clearly defined time cut-offs that apply when publishing firm bids and firm offers in the MOC process. Time cut-offs for the submission and subsequent publication of new bids and offers are applied so that MOC participants cannot bid or offer late in the process, and to ensure that every bid and offer published by Platts is logistically executable.

Bids and offers published by Platts are considered to be firm until Platts is informed otherwise, or until the close of the assessment process for the day, whichever comes first. Platts expects all participants in the MOC process to be contactable at all times.

Platts will consider all firm bids and offers as open to the market at large and executable unless informed otherwise by the counterparty submitting the market information. If no communication is made to Platts to withdraw or change the parameters of the bid or offer it is assumed that it is available to the marketplace. Platts seeks verification of any transaction originating from a bid or offer submitted for inclusion in the Platts MOC process.

Input data may also include fully and partially confirmed bids, offers and trades, notional trading values and other market information as provided for publication by individual sources, through established editorial methods.

Market reporters endeavor to verify all market information they receive, including by testing it within the market through the publishing process. Trades reported as executed are verified as being executed and Platts ensures that any firm bids/offers reported are available to the market as a whole.

Platts uses various techniques to confirm the quality of data it receives, including cross checks with counterparties as well as requests for supporting documentation. Platts eliminates data in the price assessment process that cannot be verified in the market to the extent deemed appropriate.

All Platts market reporters are trained to analyze the data they receive and to question sources to establish the fullest set of information possible around price data. Reporters are trained to seek a wide variety of information to test reported transactional activity, including the specific price agreed, the counterparty to the trade, the point of origin and destination for delivery of the commodity, the size of the transaction, any physical quality commitments agreed as part of the trade, the terms and conditions of a trade and when a trade was agreed.

Platts publishes the most relevant information collected that meets its methodological standards, typically through real-time information services and with as much transparency as possible in order to test information within the market.

MOC data submission process
Platts has specific guidelines around data submissions to ensure high quality of information in the assessment process. This includes detailed guidelines on timings for submissions, which can be found in the specific guide for each commodity process. The purpose of the time cut-offs is primarily to ensure logistical executability and standards of incrementability and repeatability to ensure an orderly assessment process. As such, they may be changed at short notice if evolving market conditions require.

To ensure proper dissemination of market information, new bids and offers for publication by Platts must be received by Platts no later than stated cut-off periods.

In order to ensure that all published data is fully tested in the market, Platts has established guidelines around how quickly bids and offers may be improved when they have been published, and by what amount. These incrementability guidelines define the quantum and speed at which bids and offers may typically be improved in the MOC assessment process. Incrementability does not apply to bids and offers that are moving away from market value, though Platts analyzes bids and offers that are moved lower, and higher, respectively, to ensure reasonability.

Platts may notify the market of any adjustment to the standard increments in the event of market volatility or a disruptive event. A market participant can withdraw a bid or offer from Platts MOC process at any time, so long as no other potential trading counterparty has indicated that it has interest to buy or sell into the bid/offer.

Platts expects that market participants bidding and offering in the MOC process should perform on their bid/offer with the first company of record to express interest to Platts for publication during the MOC process. In the event of a dispute on the timing, Platts will review its records and determine which company communicated to Platts first its intention to execute on a bid/
offer displayed on the Platts systems. Platts prioritizes data on the basis of timeliness. This sequence is critical for an orderly assessment process.

Platts editorial guidelines governing its assessment process require it must consider only those transactions, bids or offers where market participants perform under typical contractual terms. Platts accepts that individual companies may have trading limits with counterparties and that national legislation may prevent companies from dealing in materials of certain origins. Such counterparty issues are dealt with on a case-by-case basis.

All bids and offers are firm from the moment of submission.

Submissions of bids, offers or transactions should not be considered as received by Platts unless acknowledged as received by Platts. For communication initiated by phone Platts will consider the time when the trader actually communicated the bid/offer or transaction. Acknowledgment may take the form of “yes,” “OK,” “y,” “k,” or any other reasonable forms, including by sending back the published information. Platts recognizes the time of receiving a message of a company’s intent to buy/sell, as opposed to the time a message was sent by the trading party.

Bids and offers submitted on time but in an incomplete form, where the terms are only clarified after the cut-off deadline, will not be used in the assessment process.

As a general recommendation Platts advises market participants not to wait for the last possible minute before the cut-off deadlines for bids and offers, as the communication may not be completed on time.

A buyer or seller can communicate with Platts directly to express buying or selling interest. Platts may also take into consideration bids and offers made via a broker, provided the buyer or seller have communicated to Platts that they have authorized the broker to speak on their behalf.

Platts only considers for publication and assessment transactional interest that is expressed by participants for bids or offers that have already been published by Platts. Interest in bids or offers at prices that have not been published, and therefore may not be fully available for testing in the marketplace as a whole, may be disregarded. Should a buyer lower its bid or a seller increase its offer, an expression to trade at a previously published level will not be considered.

Platts editorial processes require full clarity when communicating bids/offers and intentions to trade. When expressing an intention to hit a bid or lift an offer in the MOC processes, any message should typically include the specific price of the trade and the name of the counterparty. Information may not be published if it is not sufficiently clear when communicated to Platts.

Following any trade, an intention to rebid or reoffer must be received by Platts as soon as is possible and within a reasonable time frame, as per incrementability guidelines.

Unless sellers/buyers expressly inform Platts of their continued interest to buy/sell after a deal, Platts will presume the original buyers or sellers are not there for additional volume.

A rebid or reoffer must match the initial position’s parameters, with the exception of price. A rebid or reoffer can be made at the same level or inferior to the traded price. For example Company B hits Company A’s bid for $100/mt during the MOC. Company A can rebid at $100/mt or below this level. If the MOC process for the market includes a “freeze” period at the close of the process, bids and offers may only be repeated at the last published price.

When there are multiple bids or offers at the same level, the first participant to express their interest in a bid or offer to be the counterparty for the subsequent trade, Platts will monitor time stamps in the event of a dispute to determine who the first buyer or seller was. In the event of a bid or offer being repeated, the queue of participants expressing interest in that position will be reset. Platts will not consider any interest expressed in a rebid or reoffer before the position is published to be executable during the MOC assessment process.

After a bid or offer is published, only price can be changed, while in certain markets volume may be adjusted to be multiples of a minimum volume. The quality or loading/delivery timing cannot be changed. Buyers or sellers can withdraw bids/offers at any time, provided no prior interest to transact has been expressed by any potential counterparty. If a participant trades another position during the MOC assessment process, they must communicate to Platts if they wish to withdraw their existing position following the trade. Otherwise, it is assumed the participant’s own position remains active.

All participants that have reported bids and offers for publishing in the Platts process are expected to promptly report any transactions stemming from available bids or offers reported to Platts as part of the MOC assessment process.

Platts synchronizes its computer clocks every day precisely, and will compare the time of any submitted bid, offer or transactional interest against this synchronized time. Please note that Platts applies the timing deadlines strictly.

For the purposes of clock synchronization, market participants may find the following internet link to be helpful: www.time.gov. This link offers an atomic clock reading for US time zones.

In markets where Platts eWindow is in operation, the eWindow clock will be used to determine the correct sequence of events when a bid or offer is amended, withdrawn, or traded by an interested counterparty. Bids or offers submitted by phone, or any other medium, such as instant messaging software, shall be
Platts may publish bids, offers and trades with atypical pricing terms, including benchmark bases and timing. Market information with atypical pricing inherently differs in value from the typical and commonly observable information in the market.

Bids and offers which are deemed as atypical relative to the market may not be fully taken into consideration for the assessment process. In the absence of an associated, liquid derivative instrument atypical pricing bases may be difficult or impossible to evaluate on an outright price equivalent.

Such bids/offers or transactions would be at best indicators of an overall market condition but they would not be seen as exact indicators of market price.

Any unusual condition or request regarding a commodity should be specified at the moment the initial bid or offer is made. Any unusual request that surfaces at the time a counterparty is ready to trade and that impedes the normal flow of a transaction could be seen as an impediment to trade.

Information reported by market participants that may have legal implications, including but not limited to potential libel, will not be published.

Market participants are encouraged to inform Platts when they cannot trade with another typical market participant due to performance, credit or legal issues before the cut off deadlines for initial bids and offers. Platts may ask market participants to provide supporting documentation to ensure the integrity of its assessment process.

Law
Contracts using English law are considered standard in the assessment process.

Embargoed products
Laws stating that nationals from specific countries may not buy products from embargoed countries may prevent market participants from lawfully executing transactions. A seller therefore may not assume that a buyer has the obligation to buy embargoed materials. Under Platts Market on Close assessment guidelines, commodities supplied from countries or entities that are subject to trading embargoes and sanctions recognized under international law should not be delivered against transactions concluded during the Platts MOC assessment processes. Bids and offers that contain statements surrounding delivery of embargoed materials will be considered by Platts for publication, and if published after review may be subject to normalization in value.

Late performance
Platts is aware that physical conditions regarding logistics which are beyond the control of the seller or buyer may result in lateness, quality issues or conditions seen as a deviation from the original wording in the contract, for example late delivery/loading.

These deviations will be seen in the larger context of physical trading, and should not be seen as an indication of Platts condoning lateness.

Platts will review patterns of logistical performance, as adjustments due to late performance and/or quality issues should be extraordinary and not recurring events.

Participants who are intending to sell should not offer when there is a known and distinct possibility that loading/delivery may be delayed. If congestion or delays prevent performance under the contractual terms, the seller should make reasonable and timely efforts to supply from an alternative source, or the seller should engage in other measures to alleviate the buyer’s exposure.

Platts may ask market participants to provide information that may have legal implications. However, Platts cannot be held responsible for any legal, credit or performance issues. Participants are encouraged to inform Platts when they are aware of any unusual condition or request regarding a commodity.

Participants who are intending to sell should not offer when there is a known and distinct possibility that loading/delivery may be delayed. In summary, performance is paramount and all bids and offers must be firm and transactions should be performable within the contractual parameters.

Platts only recognizes bids, offers and transactions where no party claims a right to unilaterally cancel a transaction. If a transaction becomes difficult the party causing the issue must seek resolution including alternative loadings, qualities, dates or book outs.

Compensation
Platts publishes bids, offers and transactions on the basis that participants will fulfil the full value of the physical contract.

A party deemed to have underperformed or not performed under the original contract is expected to compensate the affected party.
In almost all circumstances, the compensation is not, and should not be due to a flat price change, but should include parameters such as backwardation, logistics, and the inconvenience for the buyer in the case of a seller not performing, or contagio, logistics and the inconvenience for the seller in the case of a buyer not performing. Compensation should not include consequential costs.

Such adjustments should be fair and in line with market practice, and should be reciprocal in the event that the inverse situation occurs in the future.

Compensation is subject to editorial review to ensure market practices and overall fairness in the transaction have been followed. Platts review may include an analysis of reasonable compensation. Platts views compensation as a part of full performance due under the parameters of a trade reported in the assessment process.

**Force majeure**

Force majeure is part of trading and may be invoked under very special circumstances. Platts editors will monitor the application of it to ensure that force majeure is not invoked frivolously.

**Booking out trades**

Booking out trades done during the Platts Market on Close assessment process is acceptable under exceptional circumstances. A stressed party may request to book out a trade, but its counterparty is under no obligation to accept such request.

In those exceptional cases where both counterparties agree to book out a trade, Platts expects the original spirit of the contract to be fulfilled where the non-performing party offers to buy/sell back the position and compensates the affected party.

In almost all circumstances, the adjustment is not and should not be due to a flat price change, but should to include parameters such as market structure, logistics and the inconvenience for the buyer or seller expecting a normal transaction. Such adjustments should be fair and in line with market practice, and should be reciprocal in the event that the inverse situation occurs in the future.

Furthermore, circle outs may occur when the original seller sells a parcel that is later sold into a third party that has a sale into the primary seller. Such “circle outs” are considered a normal part of trading as sometimes chains originate and finish at the same point.

Book outs and circle outs are subject to editorial review to ensure market practices and overall fairness in the transaction have been followed. Platts review may include proposals/arrangements to protect the integrity of its assessment process.

**Review of trades**

Platts may track all aspects of performance on trades reported during its MOC assessment process. Platts not only focuses on the performance of the transaction at the time of trade, but also on any significant issues stemming from such trades, including logistics and eventual delivery. Trades executed through the Platts Market On Close assessment process may be reviewed from time to time for performance completion. Platts therefore may request documentary material to determine performance and validity. Such material may include details of quality, location, vessel and laycan nominations. MOC trades may be subject to editorial review to ensure market practices and performance in the transaction have been followed.

A failure to meet Platts guidelines for participation and performance in the MOC may lead to an event driven review. Event driven reviews are designed to help ensure that transactional information and other data inputs used as the basis for Platts price assessments are representative of market value on an ongoing basis.

Post-deal tracking enables Platts to determine the actual performance of the participants in the trade and the validity of their inputs. Platts may publish confirmation of trade performance information.

**Specification**

Platts assessments reflect typically traded qualities of commodities. Specifications are available in individual specifications guides, published on the Platts website [www.platts.com](http://www.platts.com).

**Testing of products**

Traded commodities are subject to standard testing techniques and protocols to determine contractual performance. Platts typically follows the standards already in place in the trading market, although it may monitor these to ensure that the standards are adequate.

**Implied guarantees in specifications**

Bids and offers submitted to Platts that include numerical specifications will be assumed to have a series of zeroes to the right of the decimal point or to the right of the last digit to the right of the decimal point.

As an example, a fuel oil cargo with a maximum guarantee of 0.1 Shell Hot Filtration will be considered as 0.1000 etc. If the specification guarantees are otherwise, the buyer or seller should specify it clearly to avoid potential disputes.

**Merchantability**

Platts only considers in its assessments commodities that are merchantable. Hence, buyers may assume that offers or transactions are for a commodity that is merchantable. Sellers must ensure their offers or transactions are for merchantable commodities.

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**PART II: SECURITY AND CONFIDENTIALITY**

Data is stored in a secure network, in accordance with Platts policies and procedures. Platts assessments are produced in accordance with Platts Market on Close assessment methodology. This means that all data for use in Platts assessments may be published by Platts editorial staff while assessing the value of the markets.
Platts does not have confidentiality agreements in place for information that is sent for use in its assessments.

**PART III: DETERMINING ASSESSMENTS**

The following section describes how Platts uses concluded and reported transactions, bids, offers and any other market information it has collected in the manner described in section one, to formulate its price assessments. Additionally, this section describes other information, including the normalization of market data, assumptions and extrapolations that are considered when making a final assessment.

**MOC price assessment principles**

Through the MOC assessment process, Platts considers market information gathered throughout the normal trading day, and publishes such information throughout the day. Platts analyzes all published information in determining its final published price assessments.

Platts seeks to establish and publish the value of markets that prevail at the close of the assessment process. Platts has aligned the timestamps reflected in its assessments with what typically is a period of high activity in the markets that Platts observes. Platts believes that aligning its price assessments to typical periods of greater market activity and liquidity provides a robust basis upon which to derive an assessment of market value. Timestamps for each assessment are included in the specifications guide for that assessment.

Platts has adopted the MOC methodology in order to provide complete clarity over the precise point in time reflected in its market assessments. Like the quality of a commodity, its delivery location, delivery dates, contract terms, and the volume to be supplied, the time of commercial activity is an important attribute considered in Platts price assessments. The time that a bid or offer is shown to the market, or a transaction concluded, is vitally important in understanding the market value of the respective commodity, in the same way that the quality of the commodity, where it will be delivered and when it will be delivered are important factors. By clearly reflecting value at a defined point in time Platts is able to properly reflect outright and spread value.

The clarity established by providing a well-defined timestamp is also important for understanding the relationships between the markets that Platts assesses. By ensuring that all assessments within a region reflect market value at the same moment in time, spreads that exist between commodities are also able to be fully and properly reflected. For example, comparing the value of a raw material to a processed commodity is possible when both values have been determined at the same moment in time. By contrast, comparing the price of raw material in the morning, to processed material in the afternoon, might deeply impair the relationship between the commodities – particularly when the respective market prices move independently during the intervening period.

By providing clear timestamps for assessments, the Platts MOC process is designed to provide assessments that properly reflect outright and spread value during times of high volatility equally well as in times of modest volatility.

MOC guidelines are designed to avoid distortion of the final price assessments by eliminating inputs that are not fully verifiable, and by disregarding one-offs or unrepeatable transactions, or those that may distort the true market level. Transactions between related parties are, for instance, not considered in the assessment process.

Deals done below the level of prevailing bids or above the level of prevailing offers (i.e., selling through the bid or buying through the offer) will not be reflected in Platts assessments. Platts will only publish expressions of interest to trade with the most competitive, tradeable bid or offer available.

Platts does not specify a minimum amount of transaction data, or a transaction data threshold, for the publication of its price assessments. Physical commodity markets vary in liquidity. Any particular market analyzed on its own will typically demonstrate rising and falling levels of transactional activity through time. Platts is committed to providing an assessment of value for every market that it covers, equally well in times of heightened or reduced liquidity.

Platts seeks to receive market information from as broad a cross section of the market as possible. If a very limited number of market-makers are active in the market, or if a limited number submit data that constitutes a significant proportion of the total data upon which the assessment is based, Platts will continue to seek fully transparent and verifiable data from the market at large and to apply Platts methodology principles of transparency and time sensitivity. Platts considers data for assessment of any market where a single company provides more than half of all available information to be one where such a company provides a significant proportion of data. For consideration in the MOC process such a company’s bids or offers must be clearly available for execution by any other potential MOC trading counterparty.

**Normalization price adjustment techniques**

Platts seeks to align the standard specifications for the markets it assesses and the timestamps reflected in its assessments with standard industry practice. However, physical commodity markets are generally heterogeneous in nature. Key attributes often vary from the base standard reflected in Platts assessments as material is supplied to market.

The quality, delivery location and other specific terms of trade may vary in the physical commodity markets assessed by Platts. This means that simple averages of trades may not produce a representative assessment value of a physically heterogeneous market.

Because of the complex nature of the physical markets, market data typically must be aligned with standard definitions to allow for a fully representative final published assessment. Platts aligns data collected through an analysis of the physical markets with
its standard assessment specifications through a process called normalization.

Normalization is an essential price adjustment technique used to align reported market information to the base standard reflected in Platts price assessments.

Platts establishes the level of normalization by surveying markets and observing the economic impact of variance from the base standard. This is done by analyzing freight rates (for locational differences), quality premiums (for quality differences), the movements of all markets through time (for time differences) and other premiums associated with the size of trades and delivery terms.

Normalization for time may be done by analyzing movement in a related market observed through time, and that movement may provide a basis by which to align market value of an earlier reported bid, offer or transaction to market value at the MOC close. The alignment for time is essential to ensure that Platts price assessments reflect the prevailing value of a market at the close of the MOC process.

Prioritizing data

Transparency underpins Platts assessment process, just as it does Platts data publishing processes. Platts assessment process considers firm bids, firm offers and arms-length transactions that are transparent and open to sufficient, credible counterparties. Bids, offers or transactions that are not transparent may not be considered in the assessment process; bids above transparent offers or offers below transparent bids are not considered in the assessment process. Platts considers changes to bids or offers when those changes are made transparently and in normal increments.

When determining a final market assessment, Platts gives the greatest priority to fully verifiable and transparent market information. A firm bid or offer that has been published by Platts in accord with its data publishing standards, as outlined in part 1 above, and which still stands open to the marketplace at the close of the assessment process, will establish clear parameters for Platts final published assessments. Platts will typically assess market value between the best firm bid and best firm offer open to the market at the close. This ensures that Platts assessments reflect the transactable value at the close.

Completed, transparent transactions that are fully published by Platts are important in helping establish where trading interest prevails in the market, and may help determine where, in a bid/off offer spread, Platts may assess value for publication.

Firm bids and offers that are available to the entire market may take precedence over trades that have been concluded earlier in the assessment process when establishing the value of the market, particularly if bids are available at the close above previously traded levels, or offers are available to the market below previously traded levels. Value is a function of time.

Similarly, firm bids and offers that are available to the entire market take precedence over transactional activity reported to Platts after completion.

The level of each bid or offer must stand firm in the marketplace long enough for any counterparty to transact; otherwise the bid or offer may be deemed non-executable. Platts may not consider bids, offers or transactions that are the result of market gapping. Gapping occurs when a bid and an offer are more than one increment apart and a trade occurs. Platts will analyse and evaluate such trades for their representative value. They may not be fully reflected in the final assessment.

Platts assessment guidelines are designed to avoid any distortion of the final price assessment and so inputs that are not verifiable and “one-off” or unrepeatable transactions may be disregarded from the price assessment process.

Single transactions may be a reflection of market value. However single transactions need to be measured against the broad span of similar transactions. If for instance a buyer decides to trade an offer but is unwilling to buy more material offered at the same level if the seller reoffers it would be determined that the buyer failed the repeatability test. Equally if the seller does not reoffer, the seller fails the repeatability test. As such the transaction may not be fully reflected in the price assessment.

Similarly, Platts may not publish bids or offers that are provided through untested price levels. When transactions are concluded at levels that have not been fully tested by the market because price changes have been non incremental, Platts may determine that actual market value is between the last incremental bid and the transaction at the gapped level.

When no bid, offer or transaction data exists, Platts may consider other verifiable data reported and published through the day, including fully and partially confirmed trades, notional trading values and other market information as provided for publication. Platts may observe direct market activity as well as the effect of movements in related markets through spread differentials or blending and shipping economics, for example.

Platts takes into account representative transactions executed at arms-length in the open market occurring during the trading day, up to the close, and additionally taking into account bid and offer information submitted during this period. Platts editors may require direct verification from the principals to a reported bid, offer or deal when communicated through a third party, including a broker.

Assessment calculations

Units of measurement

Platts publishes its assessments reflecting the currencies and units of measurement in which the products typically trade.

Commodities are generally internationally traded in US dollars, and Platts assessments are typically published in that currency as a result. Certain markets, such as regional markets, trade
using local currency. Platts assesses the value of such markets as appropriate in local currency.

Commodities typically trade in volumetric or energy units, and Platts assessments for these markets reflect common practice in each market. The units and unit range considered for each individual Platts assessment of a physical market is described in the specifications guide for each commodity.

In certain cases Platts converts its assessments to other currencies or units of measurement to allow for ease of comparison or analysis in regional markets. Such conversions are done using exchange rates published regionally. Conversion factors are described in the specifications guide for each commodity alongside individual assessment codes.

**Use of judgment**

Judgment guidelines promote consistency and transparency and are systematically applied by Platts. Where judgment is exercised, all information available is critically analyzed and synthesized. The various possibilities are critically analyzed and fully evaluated to reach a judgment.

Platts reporters follow specific methodology when exercising judgment or discretion during their assessment process. Platts editors apply judgment when determining (1) whether information is suitable for publication, (2) when and how to normalize data and (3) where to assess final value. All such judgment is subject to review by Platts editorial management for adherence to the standards published in Platts methodologies.

Judgment may be applied when analyzing transactional data to determine if it meets Platts standards for publication; judgment may also be applied when normalizing values to reflect differences in time, location, and other trading terms when comparing transactional data to the base standard reflected in Platts assessments.

To ensure all assessments are as robust as possible, Platts editorial systems are backed by a strong corporate structure that includes managerial and compliance oversight.

An evaluation process is conducted before publication on every benchmark assessment by a competent peer or manager. The price assessments are reviewed and the exercise of judgment is further discussed and verified during this process. Finally, assessments that are used as benchmarks are supported by assessment rationales. These rationales explain the application of judgment and are published together with the relevant price assessment, offering full transparency to the market.

To ensure the consistent exercise of discretion, Platts ensures that reporters are trained and regularly assessed in their own and each other’s markets. Platts manages and maintains internal training guides for each of the different products assessed which aim to ensure Platts price assessments are produced consistently.

Every assessment of a benchmark, including the use of discretion, is reviewed and approved by a competent peer or manager prior to publication.

Reporters are trained to identify potentially anomalous data. Platts defines anomalous data as any information, including transactions, which is inconsistent with or deviates from our methodology or standard market conventions.

As a publisher owned by S&P Global, independence and impartiality are at the heart of what Platts does. Platts has no financial interest in the price of the products or commodities on which it reports. Platts aim is to reflect where the actual market level is.

Platts focuses primarily on assessing the value of a commodity trading in the spot market. A spot price for a physical commodity is the value at which a standard, repeatable transaction for merchantable material takes place, or could take place, in the open market at arms’ length. Platts spot price assessments reflect this value at precisely the close of the assessment process.

Platts overall objective is to reflect the transactable value of the commodity assessed. In cases where the apparent value of the commodity includes extra optionalities, the intrinsic value of the commodity may be masked. In such cases, Platts reporters may use judgment to normalize bids, offers or transactions with such extraneous elements to the base market standard, or may exclude them altogether. Optionalities that may mask the value of the commodity include but are not limited to loading or delivery options held by the buyer or seller, size option tolerances exercisable by the buyer or seller, or quality specifications.

**Outright, differential and spread prices**

Platts assesses the outright value of a commodity, as well as differentials when it trades with reference to a benchmark. Platts analyzes all data collected and published by Platts throughout the day. Final assessments are above firm bids, and below firm offers, that stand at the close of the Market on Close assessment process. This is true for outright values and differentials.

Platts physical price assessments use a variety of inputs, including outright price bids/offers, floating price bids/offers, spread price bids/offers (including EFPs, EFSs etc.) and combinations of fixed and floating prices. Platts’ objective is to assess the prevailing tradable outright price of the commodity at the close of the market assessment period. In the event of an observed conflict between outright values and differentials or spreads, outright values prevail in Platts final published assessments.

Platts establishes the hedgable, outright value of floating and spread price indications by applying them to the observable, prevailing value of underlying relevant derivatives instruments. In the event of conflicts observed between the outright values derived from floating and spread prices with different underlying references, Platts takes into account considerations that include the relative liquidity of each relevant derivatives market, and the typicality of a given spread or floating price, when exercising judgement around whether to prioritize one particular floating price or spread over another.
Platts may publish bids, offers and trades with atypical pricing terms, including benchmark bases and timing. Market information with atypical pricing inherently differs in value from the typical and commonly observable information in the market.

Bids and offers which are deemed as atypical relative to the market may not be fully taken into consideration for the assessment process. In the absence of an associated, liquid derivative instrument atypical pricing bases may be difficult or impossible to evaluate on an outright price equivalent.

Such bids/offers or transactions would be at best indicators of an overall market condition but they would not be seen as exact indicators of market price.

Timing
Platts produces time-sensitive assessments that reflect the value of the markets it covers precisely at the close of the price assessment process in each region. By providing clear timestamps for every region the Platts assessment process is designed to provide price assessments that properly reflect outright and spread value.

As an example, gasoline has a value, naphtha has a value and the gasoline versus naphtha spread has a value, and all three match when measured at the same time. By contrast, a system of averages can lead to distortions in the gasoline versus naphtha spread if the distribution of deals done for gasoline and naphtha differs over the averaging period. Thus if gasoline trades actively at the beginning of the assessment period and naphtha trades actively at the end of the assessment period in a rising market, the assessed spread value resulting from an averaging process will not be reflective of actual market value. This distortion can arise even if the value of spread trades in their own right has remained constant. The MOC approach drastically reduces the possibility of such distortions.

Assessments reflect typical loading and delivery schedules for each market assessed. The standard loading and delivery periods are included in the individual specifications guide for each commodity.

Market structure, such as backwardation and contango, is also factored into the Platts assessment process. If a company offers a parcel loading 15 days forward, the offer may provide market information for the Platts assessment for parcels loading 15 days forward. Platts would still need to assess days 16 through 30 (in a 15-30 day market) and publish an assessment that reflects market value 15-30 days forward ahead of the day of assessment.

Market structure
Platts is very stringent in following timings for loading or delivery due to the variability in market value across time. This variability increases as the market structure, backwardation or contango, in the markets increases.

Platts factors in the backwardation/contango and reflects its impact on the published assessment. The assessment reflects the value of the commodity normalized to the center of the loading/delivery window. In a contango market, the excess of prompt material causes the front period to be significantly lower in value than material available at the end of the window. In a backswatered market the tightness of supply causes the prompter material to be at a higher price than material available at the end of the window.

Platts methodology eliminates any arbitrary movement in assessments caused simply by the different loading/delivery ranges traded. By normalizing prices to the mid-point of a clearly defined date range, the consistency of prices is maintained. The day-to-day changes in the price assessments therefore reflect an actual price move in the value of the commodity, rather than an artificial change because a cargo happens to be loading/delivering in the front period of the window rather than the back period, or vice versa.

The date ranges reflected by Platts reflect the prevailing trading practices in the region. By not taking very prompt days into consideration, transactions reflecting distressed prices are excluded. The definition of this period varies according to specific markets.

Determination of backwardation or contango
In calculating market structure, the prices of tradable instruments, including derivatives such as futures and swaps, may be used.

Typical calculations include a determination made for the difference in price over a month; a granular value is then calculated from this for each day.

Outright and floating price information
The three main factors used in the commodities markets for price determination are:

- **Outright price**
- **Differentials**
- **Derivatives**

These three factors — outright price, premiums and derivatives — converge in a spot price. Platts may use all three in its assessments.

**Outright price:** The ultimate question in the mind of an end-user, producer, trader or broker is price. Outright prices are the simple statement of a price at which something can be bought or sold, with the entire value stated — for example, an offer of a cargo of iron ore at $100/mt. Price in turn determines expense, processing margin, profit, loss, etc. The spot market trades actively on an outright price basis and a floating price basis. Platts takes both into account in its assessments. Platts will publish activity on both a fixed and floating basis.

**Differentials:** Many transactions are carried out in relation to a benchmark. In this case a differential, also known as a
premium/discount is generated. Differentials can arise if the quality, volumes or loading times for a given transaction differ from the benchmark. In addition, floating price transactions are done in relation to assessments that will be published in the future – for example, a bid for a cargo at $10/mt above the Platts assessment of that same commodity, as published immediately before, during and after delivery of the cargo. Premiums usually rise when the market’s backwardation steepens, and the steeper the curve, the greater the premium. In a contango situation, premiums have a tendency to turn into discounts.

**Derivatives:** Derivatives are a major determinant in price; they trade frequently and throughout the day. These markets are very reactive and may provide market participants with timely information on market conditions. They can react to arbitrage conditions or movements in overseas markets as well as local conditions. Derivatives may allow companies to adapt their price exposure because they enable market participants to transform floating prices to fixed or fixed to floating.

**PART IV: PLATTS EDITORIAL STANDARDS**

All Platts employees must adhere to the S&P Global Code of Business Ethics (COBE), which has to be signed annually. The COBE reflects S&P Global’s commitment to integrity, honesty and acting in good faith in all its dealings.

In addition, Platts requires that all employees attest annually that they do not have any personal relationships or personal financial interests that may influence or be perceived to influence or interfere with their ability to perform their jobs in an objective, impartial and effective manner.

Market reporters and editors are mandated to ensure adherence to published methodologies as well as internal standards that require accurate records are kept in order to document their work.

Platts has a Compliance function that is independent of the editorial group. The Compliance team is responsible for ensuring the quality and adherence to Platts policies, standards, processes and procedures. The Compliance team conduct regular assessments of editorial operations, including checks for adherence to published methodologies.

S&P Global Platts appoints an independent, external auditor with appropriate experience and capability to review and report on its adherence to this stated methodology. The annual report is published online at https://www.platts.com/regulatory-engagement.

**PART V: CORRECTIONS**

Platts is committed to promptly correcting any material errors. When corrections are made, they are limited to corrections to data that was available when the assessment was calculated.

**PART VI: REQUESTS FOR CLARIFICATIONS OF DATA AND COMPLAINTS**

Platts strives to provide critical information of the highest standards, to facilitate greater transparency and efficiency in physical commodity markets.

Platts customers raise questions about our methodologies and the approach we take in our price assessments, proposed methodology changes and other editorial decisions in relation to our price assessments. These interactions are strongly valued by Platts and we encourage dialog concerning any questions a customer or market stakeholder may have.

However, Platts recognizes that occasionally customers may not be satisfied with responses received or the services provided by Platts and wish to escalate matters. Full information about how to contact Platts to request clarification around an assessment, or make a complaint, is available on our website, at: http://www.platts.com/ContactUs/Complaints.
PART VII: DEFINITIONS OF THE TRADING LOCATIONS FOR WHICH PLATTS PUBLISHES INDEXES OR ASSESSMENTS

Platts metallurgical coal price assessments are timestamped; the time and location are noted below unless otherwise stated in the specification:

Asia Pacific 5.30 pm Singapore

Atlantic 4.30 pm London

The following Metallurgical Coal specifications guide contains the primary specifications and methodologies for Platts Metallurgical Coal assessments throughout the world. The various components of this guide are designed to give Platts subscribers as much information as possible about a wide range of methodology and specification issues.

This methodology is current at the time of publication. Platts may issue further updates and enhancements to this methodology and will announce these to subscribers through its usual publications of record. Such updates will be included in the next version of the methodology. Platts editorial staff and managers will usually be ready to provide guidance when assessment issues require clarification.

Platts publishes daily assessments for six grades of hard coking coal, two assessments for PCI coal, one assessment for semi-soft coking coal and three assessments for metallurgical coke, for locations of loading/delivery detailed in the table below.

<table>
<thead>
<tr>
<th>$/mt</th>
<th>FOB Australia</th>
<th>CFR China</th>
<th>CFR India</th>
<th>FOB China NW Europe</th>
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<td>■</td>
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<tr>
<td>Premium Low Vol</td>
<td>■</td>
<td>■</td>
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<td>■</td>
</tr>
<tr>
<td>HCC 64 Mid Vol</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Low Vol PCI</td>
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<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Mid Tier PCI</td>
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<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Semi Soft</td>
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<td>■</td>
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<tr>
<td>Met Coke</td>
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<td>■</td>
</tr>
<tr>
<td>Met Coke 66/65</td>
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<tr>
<td>Peak Downs FOB (China Netback)</td>
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</tr>
<tr>
<td>Premium Low Vol FOB (China Netback)</td>
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ASSESSED SPECIFICATIONS

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<tr>
<th>CSR</th>
<th>VM</th>
<th>Ash</th>
<th>S</th>
<th>P</th>
<th>TM</th>
<th>Fluidity</th>
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<td>20.70%</td>
<td>10.50%</td>
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<td>9.30%</td>
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<td>8.00%</td>
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<td>0.06%</td>
<td>10.50%</td>
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<tr>
<td>Low Vol</td>
<td></td>
<td></td>
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<tr>
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<tr>
<td>High-Vol B HCC</td>
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<table>
<thead>
<tr>
<th>HARD COKING COAL</th>
<th>CODE</th>
<th>Mavg</th>
<th>Wavg</th>
<th>QUALITY</th>
<th>QUANTITY</th>
<th>DIMENSIONS</th>
<th>LOCATION</th>
<th>TIMING</th>
<th>PAYMENT TERMS UOM</th>
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<td>HCC Peak Downs FOB Australia</td>
<td>HCCG00</td>
<td>HCCG03</td>
<td>74% CSR, 20.7% VM, 9.5% TM, 10.5% ash, 0.6% sulfur, 0.03% phosphorus, 400 dpdm maximum fluidity, 8.5 CSN, 71% vitrinite, 1.42% Ro Max, 50 mm max</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>FOB Hay Point, Australia</td>
<td>Loading in 7-45 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
</tr>
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<td>HCCG03</td>
<td>74% CSR, 20.7% VM, 9.5% TM, 10.5% ash, 0.6% sulfur, 0.03% phosphorus, 400 dpdm maximum fluidity, 8.5 CSN, 71% vitrinite, 1.42% Ro Max, 50 mm max</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>CFR Qingdao, China</td>
<td>Delivered in 20-65 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
</tr>
<tr>
<td>HCC Peak Downs CFR India</td>
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<td>HCCG03</td>
<td>74% CSR, 20.7% VM, 9.5% TM, 10.5% ash, 0.6% sulfur, 0.03% phosphorus, 400 dpdm maximum fluidity, 8.5 CSN, 71% vitrinite, 1.42% Ro Max, 50 mm max</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>CFR Paradip, India</td>
<td>Delivered in 22-65 days</td>
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<td>USD/MT</td>
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<tr>
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<td>PLVH00</td>
<td>PLVH03</td>
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<td>NA</td>
<td>CFR Hay Point, Australia</td>
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<td>USD/MT</td>
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<tr>
<td>Prem Low Vol HCC CFR China</td>
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<td>PLVH03</td>
<td>71% CSR, 21.5% VM, 9.7% TM, 9.3% ash, 0.5% sulfur, 0.045% phosphorus, 500 dpdm maximum fluidity, 65% vitrinite</td>
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<td>NA</td>
<td>CFR Qingdao, China</td>
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<td>TSC1043</td>
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<td>NA</td>
<td>CFR Qingdao, China</td>
<td>Delivered in 20-65 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
</tr>
<tr>
<td>Prem Low Vol HCC CFR India</td>
<td>PLVH00</td>
<td>PLVH03</td>
<td>71% CSR, 21.5% VM, 9.7% TM, 9.3% ash, 0.5% sulfur, 0.045% phosphorus, 500 dpdm maximum fluidity, 65% vitrinite</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>CFR Paradip, India</td>
<td>Delivered in 22-65 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
</tr>
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<td>HCCAU03</td>
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<td>Minimum 10,000 mt</td>
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<td>CFR Hay Point, Australia</td>
<td>Loading in 7-45 days</td>
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<td>USD/MT</td>
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<tr>
<td>TSI Hard Coking Coal Australia Export FOB East Coast Port</td>
<td>TSC1035</td>
<td>TSC1033</td>
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<td>NA</td>
<td>CFR Hay Point, Australia</td>
<td>Loading in 7-45 days</td>
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<td>USD/MT</td>
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<td>HCCCH03</td>
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<td>Prem Low Vol Coking Coal China Imports CFR Jingtang Port</td>
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<td>Minimum 10,000 mt</td>
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<td>USD/MT</td>
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<tr>
<td>Hard Coking Coal CFR India</td>
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<td>HCCCH03</td>
<td>62% CSR, 21.5% VM, 10.5% TM, 8% ash, 0.45% sulfur, 0.06% phosphorus, 100 dpdm maximum fluidity, 52% vitrinite</td>
<td>Minimum 10,000 mt</td>
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<td>CFR Qingdao, China</td>
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<td>USD/MT</td>
</tr>
<tr>
<td>Low Vol Hard Coking Coal FOB Australia $/mt</td>
<td>AAAM00</td>
<td>AAAM03</td>
<td>Low-vol HCC 19% VM, 58% CSR, 0.8% sulfur, 8% ash, 8% TM</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>FOB Hampton Roads, US</td>
<td>Loading in 14-45 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
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<tr>
<td>High Vol A Coking Coal FOB Australia $/mt</td>
<td>AAAM00</td>
<td>AAAM03</td>
<td>High-vol A HCC, 32% VM, 30,000 dpdm, 0.85% sulfur, 7% ash, 8% TM</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>FOB Hampton Roads, US</td>
<td>Loading in 14-45 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
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<tr>
<td>High Vol B Coking Coal FOB Australia $/mt</td>
<td>AAAM00</td>
<td>AAAM03</td>
<td>High-vol B HCC, 34% VM, 25,000 dpdm, 0.95% sulfur, 8% ash, 8% TM</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
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<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
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<tr>
<td>Prem Low Vol Ex-Stock JingTang Yuan/MT Wkly</td>
<td>AAUZ00</td>
<td>AAUZ03</td>
<td>71% CSR, 21.5% VM, 9.7% TM, 9.3% ash, 0.5% sulfur, 0.045% phosphorus, 500 dpdm maximum fluidity, 65% vitrinite</td>
<td>Typically 10,000-20,000 mt</td>
<td>NA</td>
<td>ex-stock JingTang port, China</td>
<td>Delivery within 20 days</td>
<td>Cash payment</td>
<td>CNY/MT</td>
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<tr>
<td>Prem Low Vol CFR, JingTang Equivalent $/MT Wkly</td>
<td>AAUZ00</td>
<td>AAUZ03</td>
<td>71% CSR, 21.5% VM, 9.7% TM, 9.3% ash, 0.5% sulfur, 0.045% phosphorus, 500 dpdm maximum fluidity, 65% vitrinite</td>
<td>Typically 10,000-20,000 mt</td>
<td>NA</td>
<td>ex-stock JingTang port, China</td>
<td>Delivery within 20 days</td>
<td>Cash payment</td>
<td>USD/MT</td>
</tr>
<tr>
<td>HCC 64 Mid Vol Ex-Stock JingTang Yuan/MT Wkly</td>
<td>AAUZ00</td>
<td>AAUZ03</td>
<td>64% CSR, 25.5% VM, 9.5% TM, 9% ash, 0.6% sulfur, 0.05% phosphorus, 1,700 dpdm maximum fluidity, 55% vitrinite</td>
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<td>NA</td>
<td>ex-stock JingTang port, China</td>
<td>Delivery within 20 days</td>
<td>Cash payment</td>
<td>CNY/MT</td>
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<tr>
<td>HCC 64 Mid Vol CFR JingTang Equivalent $/MT Wkly</td>
<td>AAUZ00</td>
<td>AAUZ03</td>
<td>64% CSR, 25.5% VM, 9.5% TM, 9% ash, 0.6% sulfur, 0.05% phosphorus, 1,700 dpdm maximum fluidity, 55% vitrinite</td>
<td>Typically 10,000-20,000 mt</td>
<td>NA</td>
<td>ex-stock JingTang port, China</td>
<td>Delivery within 20 days</td>
<td>Cash payment</td>
<td>USD/MT</td>
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<td>HCC Peak Downs FOB China Netback</td>
<td>HCCG00</td>
<td>HCCG03</td>
<td>74% CSR, 20.7% VM, 9.5% TM, 10.5% ash, 0.6% sulfur, 0.03% phosphorus, 400 dpdm maximum fluidity, 8.5 CSN, 71% vitrinite, 1.42% Ro Max, 50 mm max</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>FOB Hay Point, Australia</td>
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<td>Prem Low Vol HCC FOB China Netback</td>
<td>PLVH00</td>
<td>PLVH03</td>
<td>71% CSR, 21.5% VM, 9.7% TM, 9.3% ash, 0.5% sulfur, 0.045% phosphorus, 500 dpdm maximum fluidity, 65% vitrinite</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>CFR Hay Point, Australia</td>
<td>Loading in 7-45 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
</tr>
<tr>
<td>Prem Low Vol HCC FOB NWE</td>
<td>PLVH00</td>
<td>PLVH03</td>
<td>71% CSR, 21.5% VM, 9.7% TM, 9.3% ash, 0.5% sulfur, 0.045% phosphorus, 500 dpdm maximum fluidity, 65% vitrinite</td>
<td>Minimum 10,000 mt</td>
<td>NA</td>
<td>CFR Rotterdam, Netherlands</td>
<td>Delivered in 52-90 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
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</tbody>
</table>
**Hard coking coal**

**Hard Coking Coal (Peak Downs Region) FOB Australia (HCCGA00)**

Platts launched on August 23, 2010, daily spot Hard Coking Coal (Peak Downs Region) price assessments basis FOB Australia.

**Price Assessment:** Platts publishes the transactable value for Hard Coking Coal Peak Downs® indicating the assessed price at which a cargo could be traded on FOB Australia basis at the close of the assessment period on the day of publishing. Assessed values are based on normalizing the values of a range of hard coking coals with similar properties.

Platts Peak Downs Region assessment is based on FOB Australia export inputs, provided that these meet Platts’ editorial standards. Delivered indications, netted back to a FOB Australia basis, may be considered to test against FOB indications, provided that these inputs reflect sufficient price consistency and repeatability for multiple destinations. The Platts freight assessment used for the back-calculation of delivered price indications will depend on freight market dynamics.

**Hard Coking Coal (Premium Low Vol) FOB Australia (PLVHA00)**

Platts launched on October 1, 2010, daily spot Hard Coking Coal (Premium Low Vol) price assessments basis FOB Australia.

**Price Assessment:** Platts publishes the transactable value for Hard Coking Coal (Premium Low Vol), indicating the price at which a cargo could be traded on FOB Australia basis at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids/offers of premium hard coking coals normalized to the exact Premium Low Vol specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

Platts Premium Low Vol assessment is based on FOB Australia export inputs, provided that these meet Platts’ editorial standards. Delivered indications, netted back to a FOB Australia basis, may be considered to test against FOB indications, provided that these inputs reflect sufficient price consistency and repeatability for multiple destinations. The Platts freight assessment used for the back-calculation of delivered price indications will depend on freight market dynamics.

**Premium Low Vol, Peak Downs Region, HCC 64 Mid Vol CFR China (PLVHC00, HCCGC00, HCCCH00)**


**Price Assessment:** Platts publishes a single assessed price for each of three different quality grades: Hard Coking Coal (HCC 64 Mid Vol), Hard Coking Coal (Premium Low Vol) and Hard Coking Coal (Peak Downs Region), indicating the price at which cargoes could be traded on a CFR China basis at the close of the assessment period on the day of publishing. These assessed values are based on confirmed spot cargo transactions, firm bids/offers, or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

The price symbol TS01044 is generated as the same numerical value as the price assessment HCCGC00 following the merger of the TSI and Platts metallurgical coal price series.

The price symbol TS01045 is generated as the same numerical value as the price assessment HCCCH00 following the merger of the TSI and Platts metallurgical coal price series.

**Hard Coking Coal (Premium Low Vol) FOB China Netback (PLVHD00)**

Platts launched on April 1, 2016, daily spot Hard Coking Coal (Premium Low Vol) price assessments basis FOB China Netback.

**Price assessment:** The freight netback value is calculated by taking the HCC Premium Low Vol CFR China assessment (code: PLVHC00), less the Platts daily Panamax spot freight rate from Hay Point, Australia, to Qingdao, China (code: CDBFA00).

**Hard Coking Coal (Peak Downs Region) FOB China Netback (HCCGD00)**

Platts launched on April 1, 2016, daily spot Hard Coking Coal (Premium Low Vol) price assessments basis FOB China Netback.

**Price assessment:** The freight netback value is calculated by taking the HCC Peak Downs Region CFR China assessment (code: HCCGA00), less the Platts daily Panamax spot freight rate from Hay Point, Australia, to Qingdao, China (code: CDBFA00).

**Premium Low Vol, Peak Downs Region, HCC 64 Mid Vol CFR India (PLVHI00, HCCGI00, HCCIN00)**


**Price Assessment:** Platts publishes a single assessed price for each of three different quality grades: Hard Coking Coal (HCC 64 Mid Vol), Hard Coking Coal (Premium Low Vol) and Hard Coking Coal (Peak Downs Region), indicating the price at which cargoes could be traded on a CFR India basis at the close of the assessment period on the day of publishing. These assessed values are based on confirmed spot cargo transactions, firm bids/offers, or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

The price symbol TS01046 is generated as the same numerical value as the price assessment HCCGI00 following the merger of the TSI and Platts metallurgical coal price series.

The price symbol TS01047 is generated as the same numerical value as the price assessment HCCIN00 following the merger of the TSI and Platts metallurgical coal price series.
offers, or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

Spot prices bid/offered or traded on FOB basis may be netted forward to CFR India basis using assessed spot freight rates for dry bulk carriers on the day of assessment, for comparison with spot prices basis CFR India. For net-forward calculations from FOB origins, differing Capesize, Panamax or Handymax freight rates are taken into consideration. Platts publishes daily Panamax spot freight rates between Hay Point port in East Australia and Paradip port in East India.

Assessments also take into consideration daily Asia-Pacific price movements in associated commodity markets: thermal coal (FOB Indonesia and FOB Richard’s Bay, South Africa), coke (FOB China), iron ore (benchmark IODEX 62% Fe basis CFR Qingdao, China) and steel (domestic Indian and global steel price benchmarks) as published by Platts.

Price Assessment:

Platts publishes the transactable value for US High Vol A Coking Coal (US HV A HCC), indicating the price at which a spot cargo could be traded on a FOB US East Coast basis at the close of the assessment period on the day of publishing. These assessed values are based on confirmed spot transactions, firm bids / offers, or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

For netback calculations from CFR destinations, differing Capesize, Panamax and Handymax freight rates are taken into consideration.

Hard Coking Coal (HCC 64 mid vol) FOB Australia (HCCAU00)

Platts launched on March 15, 2010, daily spot Hard Coking Coal (HCC 64 Mid Vol) price assessments basis FOB Australia.

Price Assessment:

Platts publishes the transactable value for Hard Coking Coal (HCC 64 Mid Vol), indicating the price at which a cargo could be traded on FOB Australia basis at the close of the assessment period on the day of publishing. These assessed values are based on confirmed spot transactions, firm bids / offers, or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

When deals, bids/offers are observed to be illiquid, inconsistent and non-repeatable, spot price bids/offers or trades in key consumer markets basis CFR China, India, Europe, Japan or South Korea Taiwan may be netted back to FOB Australia basis using assessed Panamax spot freight rates for dry bulk carriers on the day of assessment. Platts publishes daily Panamax spot freight rates between Hay Point port in East Australia and Qingdao port in North China, and from Hay Point port in East Australia to Paradip port in East India.

The price symbol TS01035 is generated as the same numerical value as the price assessment HCCAU00 following the merger of the TSI and Platts metallurgical coal price series.

Low Vol Hard Coking Coal FOB United States East Coast (AAWWR00)


Price Assessment:

Platts publishes the transactable value for US Low Vol Hard Coking Coal (US LV HCC), indicating the price at which a spot cargo could be traded on a FOB US Atlantic Coast basis at the close of the assessment period on the day of publishing. These assessed values are based on confirmed spot transactions, firm bids / offers, or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

Spot price bids/offers or trades in key consumer markets basis CFR Europe, Brazil, China, India or Japan/Korea/Taiwan may be netted back to FOB US East Coast basis using assessed spot freight rates for dry bulk carriers on the day of assessment, for comparison with spot prices basis FOB US East Coast.

For netback calculations from CFR destinations, differing Capesize, Panamax and Handymax freight rates are taken into consideration.

High Vol B Hard Coking Coal FOB United States East Coast (AAWWT00)

Platts launched on August 1, 2012, daily spot US High Vol B Coking Coal price assessments basis FOB US East Coast.

Price Assessment:

Platts publishes the transactable value for US High Vol B Coking Coal Hard Coking Coal (US HV B HCC), indicating the price at which a spot cargo could be traded on a FOB US East Coast basis at the close of the assessment period on the day of publishing. These assessed values are based on confirmed spot transactions, firm bids / offers, or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

Spot price bids/offers or trades in key consumer markets basis CFR Europe, Brazil, China, India or Japan/Korea/Taiwan may be netted back to FOB US East Coast basis using assessed spot freight rates for dry bulk carriers on the day of assessment, for comparison with spot prices basis FOB US East Coast.
For netback calculations from CFR destinations, differing Capesize, Panamax and Handymax freight rates are taken into consideration.

**Premium Low Vol ex-stock Jingtang, North China (AAWZN00)**


**Price Assessment:** Platts publishes the transactable value for Premium Low Vol hard coking coal, reflecting the price at which a parcel could be traded at the close of the assessment period on the day of publishing, for prompt delivery. Assessed values are based on confirmed spot transactions, firm bids / offers of premium coking coals normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade. The assessment reflects the value of both Chinese domestic and imported coking coal sold for prompt and typical delivery in North China and at North Chinese ports in Yuan per metric ton inclusive of VAT.

Platts will monitor inland spot trade flowing from mines directly to end-users without going through ports for pricing consistency, including for domestic Chinese coal, Mongolian and Russian material. Platts will also monitor prices of seaborne metallurgical coal for pricing consistency.

**HCC 64 mid vol ex-stock Jingtang, North China (AAWZP00)**

Platts launched on December 3, 2012, weekly spot HCC 64 Mid Vol assessments basis ex-stock Jingtang, North China.

**Price Assessment:** Platts publishes the transactable value for standard-quality hard coking coal, reflecting the price at which a parcel could be traded at the close of the assessment period on the day of publishing, for prompt delivery, normalized to HCC 64 Mid Vol specifications. Assessed values are based on confirmed spot transactions, firm bids / offers of premium coking coals normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade. The assessment reflect the value of both Chinese domestic and imported coking coal sold for prompt and typical delivery in North China and at North Chinese ports in Yuan per metric ton inclusive of VAT.

Platts will monitor inland spot trade flowing from mines directly to end-users without going through ports for pricing consistency, including for domestic Chinese coal, Mongolian and Russian material. Platts will also monitor prices of seaborne metallurgical coal for pricing consistency.
**PENALTIES & PREMIA**

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<tr>
<th>Assessment</th>
<th>CODE</th>
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<th>TIMING</th>
<th>PAYMENT TERMS</th>
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<tr>
<td>Penalties &amp; Premia CSR per 1% as % PLV FOB Australia</td>
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<td>Penalties &amp; Premia VM per 1% as % PLV FOB Australia</td>
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<td>Penalties &amp; Premia TM per 1% PLV $/Mt</td>
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<td>Penalty premia applied for 8-11% TM</td>
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<td>Penalties &amp; Premia Ash per 1% as % PLV FOB Australia</td>
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<td>Penalties &amp; Premia Ash per 1% PLV $/Mt</td>
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<td>Penalties &amp; Premia S per 0.1% PLV $/Mt FOB Australia</td>
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<td>Penalty premia applied for 50-64% CSR</td>
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<td>Penalties &amp; Premia S (1) per 0.1% as % US LV FOB USEC</td>
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<td>Penalties &amp; Premia S (1) per 0.1% US LV FOB USEC $/mt</td>
<td>CPPDF00</td>
<td>CBBF03</td>
<td>Penalty premia applied for 0.7-1.05% S</td>
<td>10,000 mt minimum</td>
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<td>Penalties &amp; Premia S (2) per 0.1% as % US LV FOB USEC</td>
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<td>Penalty premia applied for S</td>
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<td>Penalties &amp; Premia S (2) per 0.1% US LV FOB USEC $/mt</td>
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<td>Penalties &amp; Premia TM per 1% as % US LV FOB USEC</td>
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<td>Penalties &amp; Premia TM per 1% US LV FOB USEC $/mt</td>
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<tr>
<td>Penalties &amp; Premia Ash per 1% as % US LV FOB USEC</td>
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<td>Penalty premia applied for Ash</td>
<td>10,000 mt minimum</td>
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<tr>
<td>Penalties &amp; Premia Ash per 1% US LV FOB USEC $/mt</td>
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## PCI COAL

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<th>Assessment</th>
<th>CODE</th>
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<th>Wavg</th>
<th>QUALITY</th>
<th>QUANTITY</th>
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<th>TIMING</th>
<th>PAYMENT TERMS</th>
<th>UOM</th>
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<tbody>
<tr>
<td>Low Vol PCI FOB Australia</td>
<td>MCLVA00</td>
<td>MCLVA03</td>
<td>13% VM, 8.5% ash, 0.55% sulfur, 7,800 kcal/kg (GAD), 78 HGI, 10% TM, 90.5% total carbon (DAF)</td>
<td>Minimum 10,000 mt NA</td>
<td>FOB Hay Point, Australia</td>
<td>Loading in 7-45 days</td>
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<tr>
<td>Low Vol PCI CFR China</td>
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<td>MCLVC03</td>
<td>13% VM, 8.5% ash, 0.55% sulfur, 7,800 kcal/kg (GAD), 78 HGI, 10% TM, 90.5% total carbon (DAF)</td>
<td>Minimum 10,000 mt NA</td>
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<td>Delivered in 20-65 days</td>
<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
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<td>Mid Tier PCI FOB Australia</td>
<td>MCLAA00</td>
<td>MCLAA03</td>
<td>15% VM, 12% ash, 0.55% sulfur, 80 HGI, 10% TM, 1 CSN</td>
<td>Minimum 10,000 mt NA</td>
<td>FOB Hay Point, Australia</td>
<td>Loading in 7-45 days</td>
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<td>USD/MT</td>
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<td>Low Vol PCI CFR India</td>
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<td>13% VM, 8.5% ash, 0.55% sulfur, 7,800 kcal/kg (GAD), 78 HGI, 10% TM, 90.5% total carbon (DAF)</td>
<td>Minimum 10,000 mt NA</td>
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<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
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## PCI Coal

### Low Vol PCI FOB Australia (MCLVA00)

Platts launched on October 3, 2011, daily spot Low Vol PCI (Pulverized Coal Injection) price assessments basis FOB Australia.

**Price Assessment:** Platts publishes the transactable value for Low Vol PCI, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of PCI normalized to the benchmark specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

### Low Vol PCI CFR China (MCLVC00)

Platts launched on October 3, 2011, daily spot Low Vol PCI (Pulverized Coal Injection) price assessments basis, CFR China.

**Price Assessment:** Platts publishes the transactable value for Low Vol PCI, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of PCI normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

### Low Vol PCI CFR India (MCLVI00)

Platts launched on October 3, 2011, daily spot Low Vol PCI (Pulverized Coal Injection) price assessments basis CFR India.

**Price Assessment:** Platts publishes the transactable value for Low Vol PCI, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of PCI normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

### Mid Tier PCI FOB Australia (MCLAA00)

Platts launched on October 3, 2011, daily spot Low Vol 12% Ash PCI (Pulverized Coal Injection) price assessments basis FOB Australia CFR China and CFR India. On April 2015, it was renamed to Mid Tier PCI.

**Price Assessment:** Platts publishes the transactable value for Mid Tier PCI, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of PCI normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.
at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of PCI normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade. Platts also considers on normalized basis, bids / offers or trades of comparable PCI traded FOB Canada, FOB Russia, FOB Indonesia or FOB China.

Platts will also monitor the opportunity cost of PCI, as a guideline for its assessments of spot market value. Opportunity cost may be derived by observing spot trades of run-of-mine material and of by-product thermal coal. When deals, bids/offers are observed to be illiquid, inconsistent and non-repeatable, spot price bids/offers or trades in key consumer markets basis CFR China, India, Europe, Japan or South Korea Taiwan may be netted back to FOB Australia basis using assessed Panamax spot freight rates for dry bulk carriers on the day of assessment. Platts publishes daily Panamax spot freight rates between Hay Point port in East Australia and Qingdao port in North China, and from Hay Point port in East Australia to Paradip port in East India.

**Mid Tier PCI CFR China (MCLAC00)**

Platts launched on October 3, 2011, daily spot Low Vol 12% Ash PCI (Pulverized Coal Injection) price assessments basis CFR China. On April 2015, it was renamed Mid Tier PCI.

**Price Assessment:** Platts publishes the transactable value for Mid Tier PCI, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of PCI normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

Platts will also monitor the opportunity cost of PCI, as a guideline for its assessments of spot market value. Opportunity cost may be derived by observing spot trades of run-of-mine material and of by-product thermal coal.

**Mid Tier PCI CFR India (MCVAI00)**

Platts launched on October 3, 2011, daily spot Low Vol 12% Ash PCI (Pulverized Coal Injection) price assessments CFR India. On April 2015, it was renamed Mid Tier PCI.

**Price Assessment:** Platts publishes the transactable value for Mid Tier PCI, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of PCI normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

Platts will also monitor the opportunity cost of PCI, as a guideline for its assessments of spot market value. Opportunity cost may be derived by observing spot trades of run-of-mine material and of by-product thermal coal.
# METALLURGICAL COAL RELATIVITIES

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<th>Wavg</th>
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<td>Letter of Credit, payable at sight</td>
<td>USD/MT</td>
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*brand specifications available upon request
Platts Metallurgical Coal Relativities

Platts launched on December 14, 2015 daily spot metallurgical coal brand relativities on a CFR China basis. Between May 2013 to November 2015, this was assessed on a monthly basis.

Platts daily metallurgical coal assessments and relativities table provides daily price assessments for various qualities of coking coal including Platts benchmark grades, Premium Low Vol and the Mid Vol marker HCC 64 Mid Vol. The price information provided is determined mostly from transactional data and spot market assessments, but also where applicable from theoretical calculations using value-in-use (VIU).

Platts has developed a normalization tool based on VIU data to track the relative values of several coal qualities. In calculating a theoretical value-in-use, Platts may apply linear penalties and premia within a certain range for coke strength after reaction (CSR), volatile matter, total moisture, ash and sulphur and non-linear adjustments for phosphorus, maximum fluidity and vitrinite percentage.

However, market observations have a stronger bearing on the relativities than VIU calculations, and theoretical VIU-based relativities are recalibrated by observing spot market data including bids, offers and trades for specific brands, and by observing the tradable or traded spreads between these brands.

The final assessed value is a combination of the observed market activity, the editorial evaluation of the coal attributes and the results offered by the calculations. Particular market events and specific circumstances may also have an influence on the market for coking coal or individual grades. Platts observes and monitors all relevant market information for consideration in its assessments.

Platts has been publishing a monthly relativity table on a monthly basis since May 2013. Since the July 2014 analysis, the table represents relativities at the end of the last working day of each month, rather than an average of relativities through the month.

Since the January 2014 analysis, the table represents relativities on a CFR China basis, rather than theoretical FOB Queensland basis. Relativities discovered on a CFR China basis are directly comparable regardless of origin due to the fact that seaborne suppliers compete on a delivered basis. For the US relativities assessments, the table represents relativities against the US Low Vol HCC FOB US East Coast. The US relativities table is assessed on a weekly basis since January 2016, on a Friday or the closest prior business day of the week in the event of a UK public holiday.

The published metallurgical coal brands values are assessed by Platts and are not affiliated with or sponsored by the brand owners. The brand specifications Platts uses are typical based on information gathered from various sources, including but not limited to; brand owners public documents, market participant feedback and engagement. The specifications are constantly monitored and updated as changes become apparent.
### Semi Soft Coking Coal

#### Semi Soft Coking Coal FOB Australia (MCSSA00)
Platts launched on October 3, 2011, daily spot Semi Soft Coking Coal price assessments basis FOB Australia.

**Price Assessment:** Platts publishes the transactable value for Semi Soft Coking Coal, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of Semi Soft coking coals normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

**Semi Soft Coking Coal FOB Australia ($/Mt)**
- **Assessment:** Semi Soft FOB Australia
- **Code:** MCSSA00
- **Quantity:** Minimum 10,000 mt
- **Quality:** 34% VM, 9.5% TM, 9.25% ash, 0.58% sulfur, 0.025% phosphorus, 53% fixed carbon, 200 dpdpm maximum fluidity, 5.5 CSN
- **Location:** FOB Hay Point, Australia
- **Loading:** 7-45 days
- **Payment Terms:** Letter of Credit, payable at sight
- **UOM:** USD/MT
- **Minimum:** 10,000 mt
- **Letter of Credit:** NA

#### Semi Soft Coking Coal CFR China (MCSSC00)

**Price Assessment:** Platts publishes the transactable value for Semi Soft Coking Coal, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of Semi Soft coking coals normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

**Semi Soft Coking Coal CFR China ($/Mt)**
- **Assessment:** Semi Soft CFR China
- **Code:** MCSSC00
- **Quantity:** Minimum 10,000 mt
- **Quality:** 34% VM, 9.5% TM, 9.25% ash, 0.58% sulfur, 0.025% phosphorus, 53% fixed carbon, 200 dpdpm maximum fluidity, 5.5 CSN
- **Location:** CFR Qingdao, China
- **Delivered:** 20-65 days
- **Payment Terms:** Letter of Credit, payable at sight
- **UOM:** USD/MT
- **Minimum:** 10,000 mt
- **Letter of Credit:** NA

#### Semi Soft Coking Coal CFR India (MCSSI00)
Platts launched on October 3, 2011, daily spot Semi Soft Coking Coal price assessments basis CFR India.

**Price Assessment:** Platts publishes the transactable value for Semi Soft Coking Coal, indicating the price at which a cargo could be traded at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of Semi Soft coking coals normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

**Semi Soft Coking Coal CFR India ($/Mt)**
- **Assessment:** Semi Soft CFR India
- **Code:** MCSSI00
- **Quantity:** Minimum 10,000 mt
- **Quality:** 34% VM, 9.5% TM, 9.25% ash, 0.58% sulfur, 0.025% phosphorus, 53% fixed carbon, 200 dpdpm maximum fluidity, 5.5 CSN
- **Location:** CFR Qingdao, China
- **Delivered:** 22-65 days
- **Payment Terms:** Letter of Credit, payable at sight
- **UOM:** USD/MT
- **Minimum:** 10,000 mt
- **Letter of Credit:** NA
Metallurgical Coke

**Met Coke FOB North China (AAWL00)**

Platts launched on October 1, 2014, daily spot Chinese Met Coke export price assessments basis FOB North China. Between July 5, 2012 and September 31, 2014, this price was assessed on a weekly basis.

**Price Assessment:** Platts publishes the transactable value for Met Coke indicating the price at which a cargo could be traded on an FOB North China basis at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of metallurgical coke normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

**Met Coke DDP North China (AAWK00)**

Platts launched on July 5, 2012, weekly spot domestic Chinese Met Coke price assessments basis DDP North China.

**Price Assessment:** Platts publishes the transactable value for Met Coke indicating the price at which a cargo could be traded on a DDP North China basis at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of metallurgical coke normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

**Met Coke FOB North China (MCCNC00)**

Platts launched on April 27 2015, daily spot Chinese Met Coke export assessments for 65/66% CSR basis FOB North China.

**Price Assessment:** Platts publishes the transactable value for Met Coke indicating the price at which a cargo could be traded on an FOB North China basis at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of metallurgical coke normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

**Met Coke CFR East India (MCCEI00)**

Platts launched on August 1, 2011, daily spot Met Coke price assessments basis CFR East India.

**Price Assessment:** Platts publishes the transactable value for Met Coke indicating the price at which a cargo could be traded on CFR East India basis at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of metallurgical coke normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.

**Met Coke 65/66 CSR CFR India (MCCNI00)**

Platts launched on March 1, 2018, daily spot Met Coke price assessments basis CFR India.

**Price Assessment:** Platts publishes the transactable value for Met Coke indicating the price at which a cargo could be traded on CFR India basis, normalized to CFR Paradip, at the close of the assessment period on the day of publishing. Assessed values are based on confirmed spot transactions, firm bids / offers of metallurgical coke normalized to the published specification; or in the absence of liquidity, where spot transactions would have been concluded for the benchmark grade.
### Swaps

#### Platts Coking Coal Forward Curve

Platts publishes daily assessments for monthly, quarterly and next calendar year TSI PHCC swaps. These financial instruments are traded fixed price or in intermonth spreads. Swaps are derivatives which settle off the average value of the underlying physical price TSI index for PHCC FOB Australia (TS01034), as published on each day during the month of trade (e.g., November). Platts publishes swaps assessments for three months ahead, called month one (M1), second month (M2) and third month (M3). Platts also publishes assessments for the next three calendar quarterly swaps, and for the next calendar year. Monthly assessments will be rolled on the first day of the month.

For example, during October 2014 the M1 coking coal swap will be November 2014, M2 will be December 2014, M3 will be January 2015, while the first published quarterly swap will be Q1 2015. On November 1, the M1 coking coal swap will roll to December, M2 will roll to January, M3 will roll to February and the quarterly swap will still be Q1 2015.

Platts may consider extending the forward curve to include further tenors, as and when market liquidity in these instruments develops.

### TSI Premium Hard Coking Coal FOB Australia

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<th>PAYMENT TERMS</th>
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**PCC MET (CHINA DOMESTIC PRICES)**

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<th>Wavg</th>
<th>QUALITY</th>
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<th>DIMENSIONS</th>
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<th>TIMING</th>
<th>PAYMENT TERMS</th>
<th>UOM</th>
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<tr>
<td>PCC Met Shanxi Premium Low Vol Ex-washing plant Yuan/mT Wkly</td>
<td>PCOM04</td>
<td>NA</td>
<td>NA</td>
<td>68% CSR, 16.9% VM (ad), 9.3% ash (ad), 8% TM (ar), 0.6% sulfur (ad), 85 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Ex-washing plant Lvliang, Shanxi, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
</tr>
<tr>
<td>PCC Met Shanxi Premium Low Vol Free-on-Rail Yuan/mT Wkly</td>
<td>PCOB04</td>
<td>NA</td>
<td>NA</td>
<td>68% CSR, 16.9% VM (ad), 9.3% ash (ad), 8% TM (ar), 0.6% sulfur (ad), 85 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>DDP Tangshan, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
</tr>
<tr>
<td>PCC Met Shanxi Premium Low Vol DDP Tangshan Yuan/mT Wkly</td>
<td>PCOM03</td>
<td>NA</td>
<td>NA</td>
<td>68% CSR, 16.9% VM (ad), 9.3% ash (ad), 8% TM (ar), 0.6% sulfur (ad), 85 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Ex-washing plant Lvliang, Shanxi, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
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<tr>
<td>PCC Met Shanxi High Sulfur Premium Low Vol Ex-washing plant Yuan/mT Wkly</td>
<td>PCOH04</td>
<td>NA</td>
<td>NA</td>
<td>68% CSR, 19.5% VM (ad), 10.8% ash (ad), 8% TM (ar), 1.6% sulfur (ad), 85 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Free-on-rail Lvliang, Shanxi, China</td>
<td>Loading in 3-30 days</td>
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<tr>
<td>PCC Met Shanxi High Sulfur Premium Low Vol Free-on-Rail Yuan/mT Wkly</td>
<td>PCOF04</td>
<td>NA</td>
<td>NA</td>
<td>68% CSR, 19.5% VM (ad), 10.8% ash (ad), 8% TM (ar), 1.6% sulfur (ad), 85 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>DDP Tangshan, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
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<tr>
<td>PCC Met Shanxi High Sulfur Premium Low Vol DDP Tangshan Yuan/mT Wkly</td>
<td>PCOF03</td>
<td>NA</td>
<td>NA</td>
<td>68% CSR, 19.5% VM (ad), 10.8% ash (ad), 8% TM (ar), 1.6% sulfur (ad), 85 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>DDP Tangshan, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
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<tr>
<td>PCC Met North China Fat Coal DDP Tangshan Yuan/mT Wkly</td>
<td>PCOH04</td>
<td>NA</td>
<td>NA</td>
<td>55% CSR, 25.4% VM (ad), 9.8% ash (ad), 8% TM (ar), 1.2% sulfur (ad), 90 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>DDP Tangshan, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
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<tr>
<td>PCC Met Shanxi PCI Ex-washing plant Yuan/mT Wkly</td>
<td>PCOMH04</td>
<td>NA</td>
<td>NA</td>
<td>9.3% VM (ad), 10.8% ash (ad), 8% TM (ar), 0.5% sulfur (ad)</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Ex-washing plant Changzhi, Shanxi, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
</tr>
<tr>
<td>PCC Met Shanxi PCI Free-on-Rail Yuan/mT Wkly</td>
<td>PCOMH03</td>
<td>NA</td>
<td>NA</td>
<td>9.3% VM (ad), 10.8% ash (ad), 8% TM (ar), 0.5% sulfur (ad)</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Free-on-rail Changzhi Shanxi</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
</tr>
<tr>
<td>PCC Met Shanxi PCI DDP Tangshan Yuan/mT Wkly</td>
<td>PCOH04</td>
<td>NA</td>
<td>NA</td>
<td>9.3% VM (ad), 10.8% ash (ad), 8% TM (ar), 0.5% sulfur (ad)</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>DDP Tangshan, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
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<tr>
<td>PCC Met Shandong Semi Soft Ex-washing plant Yuan/mT Wkly</td>
<td>PCOK04</td>
<td>NA</td>
<td>NA</td>
<td>29.6% VM (ad), 8.3% (ad), 8% TM (ar), 0.6% sulfur (ad), 70 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Ex-washing plant Jining, Shandong, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
</tr>
<tr>
<td>PCC Met Shandong Semi Soft Free-on-Rail Yuan/mT Wkly</td>
<td>PCOL04</td>
<td>NA</td>
<td>NA</td>
<td>29.6% VM (ad), 8.3% (ad), 8% TM (ar), 0.6% sulfur (ad), 70 G-value</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Free-on-rail Jining, Shandong, China</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
</tr>
<tr>
<td>PCC Met Rail Freight Shanxi - Tangshan Yuan/mT Wkly</td>
<td>PCPM04</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Shanxi - Tangshan</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
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<tr>
<td>PCC Met Truck Freight Shanxi - Tangshan Yuan/mT Wkly</td>
<td>PCPD04</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Minimum 1,000 mt</td>
<td>NA</td>
<td>Shanxi - Tangshan</td>
<td>Loading in 3-30 days</td>
<td>Letter of Credit, 180 days after sight</td>
<td>CNY/MT</td>
</tr>
</tbody>
</table>
PCC Met Shanxi PCI is assessed on an ex-wash plant Changzhi (Shanxi), free-on-rail Changzhi (Shanxi) and delivered, duty paid Tangshan basis in Yuan/mt.

PCC Met Shandong Semi Soft is assessed on an ex-wash plant Jining (Shandong) and free-on-rail Jining (Shandong) basis in Yuan/mt.

**Volume:** The minimum-sized cargo considered for all PCC Met assessments is 1,000 mt.

**Timing:** PCC Met assessments consider lots loading in 3-30 days.

The assessments reflect the midpoint of the loading period, and cargoes traded with more prompt or further forward timings are normalized to the middle of the loading period.

**Unit:** All PCC Met assessments will be published on a Yuan/mt basis including VAT.

**Payment terms:** All PCC Met assessments include six months’ credit.

**Assessment Time:** The PCC Met assessments reflect the transactable value prevailing at 16:30 Singapore local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment at 16:30 Singapore local time.

**Freight routes:** Two freight routes are also assessed weekly, one rail route and the other is a truck route. They are PCC Met Rail Freight Shanxi – Tangshan, and PCC Met Truck Freight Shanxi – Tangshan. They are assessed in Yuan/mt. Freight from Shanxi is normalized to Luliang.
### FREIGHT & NETBACKS

<table>
<thead>
<tr>
<th>Assessment</th>
<th>CODE</th>
<th>Mavg</th>
<th>Wavg</th>
<th>QUALITY</th>
<th>QUANTITY DIMENSIONS</th>
<th>LOCATION</th>
<th>TIMING</th>
<th>PAYMENT TERMS</th>
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<tbody>
<tr>
<td>Met Coal Dry Bulk</td>
<td>CDBUR00</td>
<td></td>
<td></td>
<td>Panamax class: 72-77,000 dwt, gearless vessels. Well approved modern tonnage only, not exceeding 10 years of age.</td>
<td>72,000-77,000 dwt</td>
<td>Hampton Roads - Praia Mole</td>
<td>Platts assesses spot market freight rates for vessels loading FOB US from 14-45 days. Letter of Credit, payable at sight.</td>
<td></td>
</tr>
<tr>
<td>Freight US-Brazil $/MT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Close-of-market data for assessments is 4.30 pm London time, coinciding with Platts other daily Atlantic coking coal and dry bulk freight assessments. 14 to 45 days from the date of publication.</td>
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<tr>
<td>Met Coal Dry Bulk</td>
<td>CDBUC00</td>
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<td>Panamax class: 72-77,000 dwt, gearless vessels. Well approved modern tonnage only, not exceeding 10 years of age.</td>
<td>72,000-77,000 dwt</td>
<td>Hampton Roads - Qingdao</td>
<td>Platts assesses spot market freight rates for vessels loading FOB US from 14-45 days. Letter of Credit, payable at sight.</td>
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<tr>
<td>Freight US-China $/MT</td>
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<td></td>
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<td></td>
<td>Close-of-market data for assessments is 4.30 pm London time, coinciding with Platts other daily Atlantic coking coal and dry bulk freight assessments. 14 to 45 days from the date of publication.</td>
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<tr>
<td>Met Coal Dry Bulk</td>
<td>CDBUJ00</td>
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<td>Panamax class: 72-77,000 dwt, gearless vessels. Well approved modern tonnage only, not exceeding 10 years of age.</td>
<td>72,000-77,000 dwt</td>
<td>Hampton Roads - Paradip</td>
<td>Platts assesses spot market freight rates for vessels loading FOB US from 14-45 days. Letter of Credit, payable at sight.</td>
<td></td>
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<tr>
<td>Freight US-India $/MT</td>
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<td>Close-of-market data for assessments is 4.30 pm London time, coinciding with Platts other daily Atlantic coking coal and dry bulk freight assessments. 14 to 45 days from the date of publication.</td>
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<tr>
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<td>Panamax class: 72-77,000 dwt, gearless vessels. Well approved modern tonnage only, not exceeding 10 years of age.</td>
<td>72,000-77,000 dwt</td>
<td>Hampton Roads - Rotterdam</td>
<td>Platts assesses spot market freight rates for vessels loading FOB US from 14-45 days. Letter of Credit, payable at sight.</td>
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<tr>
<td>Freight US-Rotterdam $/MT</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Close-of-market data for assessments is 4.30 pm London time, coinciding with Platts other daily Atlantic coking coal and dry bulk freight assessments. 14 to 45 days from the date of publication.</td>
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</table>
# Metallurgical coal: November 2018

## Platts China PLV, Met Coke Price Differentials

Platts launched the China PLV, Met Coke Price Differentials series on September 21-23, 2016. It includes five weekly metallurgical coal assessments. The China PLV, Met Coke Price Differentials series follow the same assessment process as that listed in Part III: Calculating indexes and making assessments.

### Met Coal Prem Low Vol Import-Shanxi CFR China Differential Wkly (PLVHK04)


Shanxi Premium Low Vol DDP Tangshan assessment is normalized to CFR China basis, normalizing for payment terms, additional transportation and logistics costs, exchange rate and specifications to reach a port-equivalent value.

The price spread will be difference between the Premium Low Vol Shanxi CFR China equivalent price and the PLV HCC CFR China daily price on Wednesday.

### Met Coke 62% CSR Export-Domestic FOB North China Differential Wkly (PLVHM04)

Platts launched on September 22, 2016, a weekly price differential between the metallurgical coke Platts FOB North China (equivalent) assessment and the Platts 64/62% CSR Metallurgical Coke FOB North China assessment.

The metallurgical coke Platts FOB North China (equivalent) assessment would be a net-forward from the existing domestic DDP China coke assessment, normalized for payment terms, logistics cost, exchange rate and specifications to FOB North China basis.

The price spread, published on Fridays, will be difference between the metallurgical coke Platts FOB North China (equivalent) and the daily Platts 64/62% CSR Metallurgical Coke FOB North China assessment.

### Met Coal Prem Low Vol Import-Port Stock CFR China Differential Wkly (PLVHL04)

Platts launched on September 23, 2016, a weekly differential, on Fridays, between the CFR Jingtang (equivalent) port stocks assessment and the seaborne PLV CFR China price assessment. The port stock (CFR Jingtang) assessment is published on Fridays, while the seaborne PLV CFR China price assessment is published daily.

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### Table: Metallurgical coal price differentials

<table>
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<tr>
<th>Assessment</th>
<th>CODE</th>
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<th>QUALITY</th>
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<tr>
<td>Met Coal Prem Low Vol Shanxi CFR China Equivalent Wkly</td>
<td>PLVHK04</td>
<td>PLVHK03</td>
<td>71% CSR, 21.5% VM, 9.7% TM, 9.3% ash, 0.5% sulfur, 0.045% phosphorus, 500 dpdm maximum fluidity, 65% vitrinite</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>USD/MT</td>
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<tr>
<td>Met Coal Prem Low Vol Import-Shanxi CFR China Differential Wkly</td>
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<td>Met Coal Prem Low Vol Import-Port Stock CFR China Differential Wkly</td>
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<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>USD/MT</td>
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<tr>
<td>Met Coke 62% CSR FOB North China Equivalent Wkly</td>
<td>PLVM04</td>
<td>PLVMB03</td>
<td>62% CSR, 12.5% ash, 0.65% sulfur, 82% minimum Micum 40, 8% maximum Micum 10, 25-26% CRI, 5% TM</td>
<td>NA</td>
<td>NA</td>
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<td>NA</td>
<td>USD/MT</td>
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<tr>
<td>Met Coke 62% CSR Export-Domestic FOB North China Differential Wkly</td>
<td>PLVHM04</td>
<td>PLVHN03</td>
<td>62% CSR, 12.5% ash, 0.65% sulfur, 82% minimum Micum 40, 8% maximum Micum 10, 30-80 mm size, 25-26% CRI, 5% TM</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>USD/MT</td>
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REVISION HISTORY

November 2018: Methodology & Specifications Guide Annual Review was conducted and clarifications made. Removed specifications for Asia-Pacific brand relativities and US HCC brand relativities which remain available upon request.

July 2018: Updated to reflect basis change of Platts swaps assessments to reflect the TSI PHCC FOB Australia swaps contracts. Updated to reflect discontinuations of Oaky Creek and Mavis Downs CFR China relativities, and the launch of Oaky North CFR China relativity.

June 2018: Updated to reflect merger of various TSI metallurgical coal indices with Platts equivalent price series.

May 2018: Updated to reflect change in China's VAT rate.


February 2018: Platts updates its assessment for Blue Creek No.7 and No. 4 cited in the US brand relativities weekly series.

October 2017: Methodology & Specifications Guide Annual Review was conducted.

August 2017: Updates and amending unit of measurement.

May 2017: Platts updates its assessment for Blue Creek No.4 cited in the US brand relativities weekly series.

November 2016: Methodology & Specifications Guide Annual Review was conducted and clarifications made.

September 2016: Platts adds the China PLV, Met Coke Price Differentials series.

June 2016: Platts clarifies 64/62% CSR quality for Met Coke FOB North China (AAWVL00) & Met Coke CFR East India (MCCEI00). Platts updates South 32’s Illawarra specification.


February 2015: Teck’s Standard and Premium specifications revised.

December 2015: Platts launches daily metallurgical coal relativities.

August 2015: Platts launches PCC Met Chinese domestic metallurgical coal price series.


April 2015: Platts launches Met Coke 66/65 CSR FOB North China daily assessments.

April 2015: Platts adds methodology for CCI Met china domestic metallurgical coal price assessments.

April 2015: Platts renames Low Vol 12 Ash PCI to Mid Tier PCI.

March 2015: Platts adds details on monthly met coal relativities.

February 2015: This methodology guide was updated to include further description of Platts’ processes and practices in survey assessment environments.

October 2014: Platts increased the frequency of its Met Coke FOB North China (AAWVL00) to daily, from weekly, starting October 1, 2014.

July 2014: Platts revamped all Metals Methodology and Specification guides, including its Metallurgical Coal Methodology Guide, in July 2014. This revamp was completed to enhance the clarity and usefulness of all guides, and to introduce greater consistency of layout and structure across all published methodology guides. Methodologies for market coverage were not changed through this revamp, unless specifically noted in the methodology guide itself.