



Interest Rate Options Conventions

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Preface: AFMA Code of Conduct

AFMA promotes efficiency, integrity and professionalism in Australia's financial markets. The aim of the [AFMA Code of Conduct](#) (the Code) is to establish a common understanding of the standard of behaviour expected of all AFMA Member organisations and their employees when conducting business with clients, counterparties and colleagues and when providing financial services to retail and wholesale clients.

All AFMA Financial Markets Members and Partner Members^[1] are expected to observe the Code and operate with integrity, professionalism, and competence. The Code is designed to support behaviours that put the interests of clients, the firm, and the wider community ahead of personal or individual interests and promotes confident participation by users in Australia's OTC markets.

Market participants are reminded that they are generally expected to observe and adhere to the market standards and conventions¹ as set out below when engaging in any form of market dealing.

1. Description

This market covers those transactions where the buyer of an interest rate option has the right but not the obligation to buy or sell a designated quantity of a specified interest rate product at a specified price or rate on or before a specified date. The buyer pays a premium for this right.

The predominant appeal of OTC options lies in the fact that the strikes, notional principals, expiry dates and times, type of option and the underlying swap characteristics can all be tailored to suit individual requirements. The benefit of having exact tailor-made risk management products is that interest rate exposures can be near-perfectly hedged.

The following market conventions provide a basis for the trading of OTC interest rate options. However, given the flexibility involved in this market the following conventions can be customised with each transaction. Any characteristics which are contrary to the following conventions should be highlighted when the transaction is executed and detailed in confirmation notices.

These conventions are specific to AUD OTC IRO products traded between AFMA members and should also be applicable to all counterparties that trade or enter into AUD OTC IRO products. OTC IRO denominated in other currencies are considered to be subject to the specific conventions/rules governing those markets and products.

2. Products

All common interest rate options available in the Australian OTC market.

^[1] As defined in the AFMA Constitution

2.1. Cap

A cap is a series of options which places a ceiling on the level of interest rates on a floating rate borrowing. The seller will compensate the buyer on prescribed reference dates if the settlement index or rate (e.g., BBSW) is greater than the strike rate.

2.2. Floor

A floor is a series of options which protects the buyer from a fall in interest rates below a specified level. The seller will compensate the buyer on prescribed reference dates if the settlement index or rate is less than the strike rate.

2.3. Swaption

A swaption is an option over an interest rate swap. It gives the buyer the right but not the obligation to enter into a swap at some future date at a predetermined fixed rate. There are two types of swaptions which, may be either bought or sold:

- a payer swaption, which involves an option over a swap where the buyer would be paying a fixed rate if exercised, and
- a receiver swaption, which is an option over a swap where the buyer would be receiving a fixed rate.

2.4. Bermuda Swaption

A derivative financial instrument that gives the holder the right, but not the obligation, to enter into an interest rate swap on any one of a number of predetermined dates. The holder may only exercise the option on one of these dates.

2.5. Bond Option

A bond option is an option over a physical bond usually a Commonwealth Government or Semi Government bond. A bond swaption gives the buyer the right but not the obligation to buy (call option) or to sell (put option) a given bond at a specified rate on a specified future date.

3. Dealing

3.1. Methods of Dealing

Direct via telephone and brokers.

3.2. Electronic Dealing

Brokers, dealers and clients all may access markets via electronic trading platforms.

3.3. Business Day

3.3.1. Business Day

A Business Day is defined as any day which is not a 'bank close day' under the law of New South Wales. Further explanation is provided on the [AFMA website](#) under 'Market Conventions'.

AFMA recommends that transactions should only be negotiated for settlement or price fixing (rollover) on a Business Day.

3.4. Customary Market Parcel

AUD million	1y	2y	3y	4y	5y	7y	10y	15y	20y	30y
1m	200	200	100	50	50	50	25	25	10	10
3m	200	200	100	50	50	50	25	15	10	10
6m	200	100	100	50	50	50	25	15	10	10
1y	100	100	100	50	50	50	25	15	10	10
2y	100	100	75	50	50	25	25	15	10	10
3y	100	75	50	50	50	25	25	15	10	10
4y	75	75	50	50	50	25	25	15	10	10
5y	50	50	50	50	50	25	25	15	10	10
7y	50	50	25	25	25	25	25	15	10	10
10y	50	25	25	25	25	25	25	15	10	10

3.4.1. Bermuda Swaption

Customary Market Parcel AUD 10 million

3.4.2. Cap/Floor Straddles (CFS)

Tenor	CFS Customary Market Parcel I (AUD million*)
1y	200
2y	100
3y	50
4y	35
5y	25
6y	20
7y	20

8y	15
9y	15
10y	15

*Unless otherwise specified when dealing, the CSA default currency for Cap/Floor Straddles will be AUD, with any premium adjustment agreed post-trade on a similar basis to Strikes.

3.4.3. Other

Any other parcel should be indicated when the quote is sought.

Market parcels are based on a notional face value level for any market structure.

3.5. Two Way Pricing

Not applicable.

3.6. Quotation and Dealing

Premiums for caps, floors and swaptions are quoted in basis points based on price only. For example, if the notional principal of a trade is \$ 10 million and the premium payable is \$ 10,000, then the basis point quotation is 10 basis points.

Start date for all spot starting caps and floors: Spot +3months

Bond option premiums are quoted in AUD amounts per million dollars of principal.

Caps, floors and swaptions refer to the at-the-money rate as the swap rate for the underlying structure of the trade.

Bond options are quoted at-the-money against the spot price (and not against the forward bond price pertaining to the expiry date). Bond options can be requested as at-the-money-forward, meaning the at-the-money price is the forward bond price corresponding to the expiry date.

Swaptions and bond options are European style unless American style is requested when the quote is given.

A 'Wedge' is quoted as Forward Cap/Floor Straddle (CFS) vs Forward Swaption Straddle unless otherwise bilaterally agreed between parties.

3.7. Other Instrument Conventions

3.7.1. Forward CFS vs Forward Swaption Straddle (Wedge)

Wedge premium is initially quoted assuming an Australian currency CSA, or as bilaterally agreed between parties. If the actual CSA currency between the counterparties is not AUD, the Wedge Premium may be adjusted to account for the difference.

Wedge premium (Forward CFS vs Forward Swaption Straddle) is payable on expiry of the Swaption, or as bilaterally agreed between parties.

3.8. Basis

Markets are quoted on Actual/365 basis unless otherwise specified at the time of trading.

Caps and floors are quoted on a quarterly basis.

Swaptions are quoted on a quarterly basis for maturities out to 3 years and on a semi-annual basis for maturities of 4 years and greater. Swaptions falling between the 3 and 4 year maturity are negotiated between the two counterparties, i.e. in line with the corresponding conventions for swaps.

3.9. Maturity Conventions

Refer Section 3.12 *Date Conventions*

3.10. Settlement Rate or Index

Caps and floors settle against BBSW, unless otherwise agreed at the time of trading.

3.11. Premium Payment Date(s)

Premiums are payable by the buyer to the seller.

3.11.1 **Bond options** premiums are payable 3 business days after the date of the transaction, except where the expiry of the option is in less than 3 business days when the premium is payable on expiry.

3.11.2 **Caps, floors and swaption** premiums are payable 2 business days after the date of the transaction, or by agreement on any other date or dates.

3.11.3 **Forward Premium Swaption transactions** premiums (i.e. where if exercised may or may not obligate the parties to enter into a centrally cleared swap transaction) are payable in the following manner:

3.11.3.1 For cash settled swaptions, payable on the day after expiry.

3.11.3.2 For physical settled swaptions, payable on the day of expiry.

3.11.4 Wedge premiums are payable in accordance with 3.11.3.1 and 3.11.3.2.

3.12. Date Conventions

“Following” (FOLL) is a business day (BD) convention whereby payment days that fall on a Saturday, Sunday or holiday (refer 3.3.2 non-business day) are deemed to roll forward to settle on the next Business Day.

“Modified Following” (MODFOLL) is a business day convention whereby if the roll date or the end date payment day falls into the next calendar month due to the start date being at or near month end, the payment day rolls backward to the immediately preceding Business Day.

Date Convention	Swaptions	Structured Swaptions, including Bermuda, Range Accruals, et al	Caps / Floors
Expiry date	T + Tenor (FOLL)	n/a	n/a
Start Date	Expiry Date + Swap Spot Offset (1BD) (FOLL)	T + Swap Spot Offset (1BD FOLL)	T + Start Tenor (FOLL) + Swap Spot Offset (1BD) (FOLL)
End Date	Start Date + Underlying Tenor (MODFOLL)	Start Date + Swap Tenor (MODFOLL)	Start Date + Tenor (MODFOLL)
Roll date	Underlying Start Date (MODFOLL)	Start Date (MODFOLL)	Start Date (MODFOLL)
Termination Option Notice Period	n/a	1BD (Preceding)	n/a

3.13. Broker Conventions

Refer to [Section 3.6](#).

When transacting through interdealer brokers, prices should be expressed in terms of forward value premium.

Broker prices will reflect the Customary Market Parcel as defined in 3.4. of the Conventions, and specifically that any deviation from this is to be indicated when a quote is sought (refer 3.4.3. Other). All prices quoted to brokers should be basis a price in the underlying asset with the exchange of delta hedge. The size and type of the delta hedge should be agreed prior to the time of dealing.

Dealers requiring no exchange of delta hedge should identify the quote as no basis.

In instances where a dealer has submitted prices to multiple brokers and is subsequently simultaneously dealt on current unrevoked prices, the dealer must, subject to credit availability, honour and transact in the customary market parcel (as described in section 3.4 of the Conventions) with each impacted broker.

3.14. Confidentiality

On request brokers should pass the size of counterparty transactions to other market participants as they occur (and) in a timely manner.

3.15. Credit

The ability to deal is subject to credit constraints/limits. Dealers should advise the counterparty if they are unable to deal because of credit limits as quickly as possible. The transaction is not finalised until both parties have agreed with the other party that credit is available. Both parties have the

right to request a change in the price of the transaction until the time that credit limits have been finalised.

3.16. Exercise of Options

Exercise will be automatic for caps and floors if the reference rate is above the cap rate or below the floor rate on the reference date. Notwithstanding automatic exercise, it is considered best practice for the options buyer (owner) to also notify the seller of an in-the-money option at expiry time rather than rely on it being automatic.

In the case of physically settled on-the-run swaptions, a fallback exercise (as per ISDA Definitions) should apply. In the case of other swaptions and bond options it is the responsibility of the buyer to notify the seller, by expiry date, whether they intend on exercising the option. It is good market practice for the seller of a swaption or bond option to call the buyer if at expiry time the seller believes the option to be in-the-money and the buyer has not notified the seller of their intention to exercise the option.

In the case of swaptions the right of the buyer to exercise the option ceases at 10:00am AEST on the expiry date. Note that the expiry time is 10:00am on the date of expiry regardless of when notification of exercise is given. Any other expiry time should be indicated when the quote is given, and the transaction documented accordingly.

For bond options the right of the buyer to exercise the option ceases at 3:00pm AEST on the expiry date. Note that the expiry time is 3:00pm on the date of expiry regardless of when notification of exercise is given. Any other expiry time should be indicated when the quote is given and the transaction documented accordingly.

In the interbank market a buyer of an option intending to exercise that option must exercise that option for the full notional value. Partial exercise of options is uncommon unless agreed at the time of dealing and the transaction documented accordingly.

3.17. Data Source

Not applicable.

3.18. Pricing Formulae

Not applicable.

4. Confirmations

4.1. Timing

Confirmations are to be provided as soon as possible after the details of the transaction are agreed. Generally, this should take place within 24 hours of dealing.

4.2. Confirmation Standards

The initial confirmation for this type of product supplements and forms part of the ISDA Master Agreement, and therefore the transaction must be confirmed using the standard form of confirmation.

4.3. Transaction Information

The complete transaction information must be confirmed, and include applicable items from the list below:

4.3.1. Caps, Floors and Collars

- Trade Date
- Date of ISDA Master Agreement
- Fixed Rate Payer (i.e., the Buyer)
- Fixed Amount
- Fixed Rate Payer Payment Date(s)
- Floating Rate Payer
- Notional Amount(s) and Currencies
- Effective Date
- Termination Date
- Cap Rate
- Floor Rate
- Reset Date
- Payment Date for each Party
- Business Day Convention
- Day Count Fraction

If the *2021 ISDA Definitions* have been incorporated into the Master Agreement with a counterparty, “FRA Yield Discounting” will apply to all cap, floor and collar transactions. However, because these products pay interest in arrears, the confirmation should specify that “‘FRA Yield Discounting’ will not apply”.

4.3.2. Swaptions

- Trade Date
- Date of ISDA Master Agreement
- Buyer
- Seller
- Premium
- Premium Payment Date
- Procedure for Exercise
- Settlement Terms
- All details of underlying Swap Transaction (refer to section on Swap Transactions)

4.3.3. Bond Options

- Trade Date
- Date of ISDA Master Agreement
- Option Style
- Option Type
- Buyer
- Seller
- Premium
- Premium Payment Date
- Procedure for Exercise
- Settlement Terms
- All details of underlying Bond

5. Settlements

5.1. Physical Settlements

5.1.1. General

Settlement of bond options and swaptions will be by physical delivery unless cash settlement is agreed between the parties at the time of the deal.

The settlement conventions of the underlying markets will apply for swaptions and bond options unless otherwise agreed. For example, delivery of a ten year commonwealth bond will take place 2 business days after the exercise of a bond option, i.e. will follow the T+2 settlement convention as applicable to the underlying markets.

5.1.2. Swaptions

With an exercised swaption the swap will commence in 1 business day unless otherwise specified. On the exercise date the swaption buyer may exercise the option and will execute the underlying swap transaction with the swaption seller. The settlement of this swap transaction proceeds as with any normal swap (which may include EFP). It is advisable to have the swap start date at least 1 business day after the exercise date to ensure smooth settlement procedures.

5.2. Cash Settlements

5.2.1. Methodology - Caps and Floors

The cash settlement style for caps and floors will be non-discounted in arrears. Bond options will be par methodology and swaptions will be zero coupon methodology unless otherwise specified.

5.2.2. Methodology - Swaptions

At the exercise time, the swaption buyer may exercise the option which requires the swaption seller to make a cash payment that is equal to the difference between the present value of the underlying swap at the swaption strike rate and the present value of the swap at current market rates.

The swaption buyer and seller should mutually agree the market rate for the specified swap as well as the appropriate cash settlement amount. If agreement cannot be reached the matter is determined by reference to a panel of market participants (usually 3-4) or to the index specified. The panel of market participants or index must be specified at the time the swaption is dealt. If one or more of the panel has ceased to trade in the market when a market rate is required another market participant may be substituted by mutual agreement of the counterparties to the deal.

The average of the panel valuation, or the index itself, will provide a market rate for the specified swap. The calculation of the cash settlement amount is made on a zero coupon basis in the same way as a swap assignment.

5.2.3. Payments - Caps and Floors

With caps and floors settlement payments by the seller to the buyer will be on a non-discounted in arrears basis or on a discounted in advance basis payable on the reference date following the day on which the reference rate is set or, in the case of the final reference date, on the maturity date. For swaption cash settlement payments the amount will be paid 1 business day following the exercise date. Any other method of payment should be indicated when the quote is given.

5.2.4. Discounted in Advance

This refers to a common cap/floor settlement method. The settlement amount is calculated according to the following formulae and paid on the reference date.

Caps (if BBSW > strike):

$$\left(\frac{\text{Principal}}{1 + \text{strike} \times \frac{\text{days}}{365}} \right) - \left(\frac{\text{Principal}}{1 + \text{BBSW} \times \frac{\text{days}}{365}} \right)$$

Floors (if BBSW < strike):

$$\left(\frac{\text{Principal}}{1 + \text{BBSW} \times \frac{\text{days}}{365}} \right) - \left(\frac{\text{Principal}}{1 + \text{strike} \times \frac{\text{days}}{365}} \right)$$

5.2.5. Non Discounted in Arrears

This refers to another common cap/floor settlement method. The settlement amount is calculated according to the following formulae and paid on the reference date following the date on which the rate is set.

Caps (if BBSW > strike):

$$Principal \times (BBSW - strike) \times \frac{days}{365}$$

Floors (if BBSW < strike):

$$Principal \times (strike - BBSW) \times \frac{days}{365}$$

end
