

**MSCI/MERCER
AUSTRALIA CORE
WHOLESALE
MONTHLY
PROPERTY FUND
INDEX
METHODOLOGY**

January 2023

Contents

1	Introduction	3
2	Methodology Documentation Set	4
2.1	MSCI Real Estate - Index Policies	4
2.2	MSCI Property Fund Indexes Methodology	4
2.3	MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index Methodology	4
3	MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index Specific Methodology	5
3.1	Initial Inclusion Requirements	5
3.2	Change in Composition	6
3.3	Sub-indexes	7
3.4	Index Series	7
4	Data Provision Requirements	8
4.1	Net Asset Value Reporting Requirements	8
4.2	Indirect Holdings (units in other funds) Discontinued from July 2021	8
5	Index Calculation Methodology	9
5.1	Methodology Transition	9
5.2	Weighting	9
5.3	Data Preparation For Index Calculation	9
5.4	Rules for Performance Reporting	10
6	MSCI Pooled Property Fund Indexes Advisory Group	11
7	Appendix I	12
7.1	inclusion criteria for MSCI/Mercer Australia Core Wholesale Property Fund Index	12
8	Appendix II	13
8.1	Versioning Table	13

1 Introduction

The objective of the MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index (Australia Core Wholesale PFI) is to represent the performance of Australia based open-ended commingled real estate funds for Wholesale (Institutional) investors. The Index is value-weighted, based on the capital employed starting in July 2021 (till June 2021 it was based on the Net Asset Value (NAV)) of its constituent property funds each month and is denominated in Australian Dollars (AUD).

Wholesale funds are defined as those that are structured for wholesale investors¹ to invest in superannuation and/or corporate funds and where the minimum investment amounts are typically large in value as defined by Australian Securities and Investments Commission (ASIC).

¹ As per ASIC: A person may fall within the definition of a wholesale client if, among other things, they are: (a) a person purchasing a financial product, or a financial service related to a financial product, where the value of the product is above the prescribed threshold (currently set by the Corporations Regulations at \$500,000); (b) a person with certified net assets of at least \$2.5 million or a person who had a gross income for each of the past two financial years of at least \$250,000; or (c) a 'professional investor'. This category includes AFS licensees, listed entities, banks and friendly societies, and other entities that may be presumed to have the expertise or access to professional advice to justify their being treated as wholesale.

2 Methodology Documentation Set

The construction and maintenance rules for the Australia Core Wholesale PFI are collectively described in the following documents:

2.1 MSCI REAL ESTATE - INDEX POLICIES

The [MSCI Real Estate – Index Policies](#) document describes the various governance policies related to the construction, maintenance and termination of the MSCI Private Real Estate indexes to provide consistency in decisions and avoid ambiguity in its responses to particular events.

2.2 MSCI PROPERTY FUND INDEXES METHODOLOGY

The [MSCI Property Fund Indexes Methodology](#) describes the general methodology that is being used for the calculation of the MSCI Property Fund Indexes and includes the methodology for the index composition, data requirements and index calculation methodology.

2.3 MSCI/MERCER AUSTRALIA CORE WHOLESale MONTHLY PROPERTY FUND INDEX METHODOLOGY

This document includes the rules and methods specific to the Australia Core wholesale PFI.

3 MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index Specific Methodology

3.1 INITIAL INCLUSION REQUIREMENTS

SPECIFIC INCLUSION REQUIREMENTS FOR MSCI/MERCER AUSTRALIA CORE WHOLESALE MONTHLY PROPERTY FUND INDEX

In addition to the standard MSCI requirements for property fund indexes (refer to [MSCI Property Fund Indexes Methodology](#) for further details), there are additional eligibility requirements for initial inclusion in the Australia Core Wholesale PFI. The Australia Core Wholesale PFI comprises of funds that adhere to specific criteria relating to their investment mandate and their structure, except for funds that are in the early stage of their investment period in which case the eligibility is based on the intended strategy as set out in fund documentation. The criteria of investment mandate and structure is mentioned below.

1. Vehicles with at least 85% of their Gross Asset Value (GAV) in domestic assets
2. Vehicles whose underlying direct property performance is measured on a quarterly basis by MSCI.
3. Open-ended, commingled, and unlisted wholesale property funds (UWPFs)
4. Funds must have a targeted gearing of less than or equal to 30%, where gearing is defined as the ratio of total debt to the fund's GAV. Funds with targeted gearing of less than or equal to 40% are included in the UWPFs- Core ($\leq 40\%$) Index Series.
5. Apart from the time of the initial inclusion, this criteria is also checked at every measurement period (monthly) for each of the constituent funds. Where leverage is above 30% for a constituent fund, the manager should have an intended strategy to reduce gearing to 30% within reasonable time period. Funds must have no more than 20% of GAV exposure to non-traditional sectors (sectors other than office, industrial and retail sectors).
6. Funds must have no more than 15% of GAV in development exposure. Additional exposure permitted for short term pre-committed developments and redevelopments.
7. Participating funds must agree to allow the fund's name, date of inclusion in the index, and date of exclusion from the index to be included in all index releases and associated materials.

3.2 CHANGE IN COMPOSITION

The addition of new funds and withdrawal/termination of existing funds are normal events in the evolution of the MSCI Property Fund Indexes. There are additional requirements and clarification for the Australia Core Wholesale Index.

New Funds:

- a. are required to provide data of their investment performance as per requirements², subject to a minimum of either three years or the period from date of launch of the fund.
- b. must always provide performance data for disclosure in the index products for the longest possible time period. Full performance history shall be shown for the fund until it retires from the Index or terminates. A change of mandate, structure, branding or manager does not warrant the removal of historical performance from the index and market information products.

Removed/Withdrawn Funds:

- a. Withdrawal from the Index should be through written communication to both MSCI and Mercer, and where possible, one quarter prior to the next Index release.

Re-admitted Funds:

- a. In order to be re-admitted to the Index, the funds must provide MSCI with the data to calculate their investment performance during the whole period since their last inclusion in the Index.
- b. Re-admitted funds are subject to the same eligibility requirements as potential new constituents.

Formal communication of a material change in the index composition will be done through an Index Announcement made available at www.msci.com, in accordance with the thresholds as defined in the MSCI Real Estate – Index Policies.

² refer section 3 of the [MSCI Property Fund Indexes Methodology](#)

3.3 SUB-INDEXES

The MSCI/Mercer Australia Core Wholesale Property Fund Index series currently comprises of a standard index - all fund index series, and sector sub-indexes based on funds' allocation (by GAV) to real estate sectors. The hierarchy of the sub-indexes is outlined below:

MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index

- a. MSCI/Mercer Australia Core Wholesale Monthly Office Property Fund Index** - includes funds with a target more than 70% of GAV in office sector
- b. MSCI/Mercer Australia Core Wholesale Monthly Retail Property Fund Index** - includes funds with a target more than 70% of GAV in retail sector
- c. MSCI/Mercer Australia Core Wholesale Monthly Industrial Property Fund Index** - includes funds with a target more than 70% of GAV in industrial sector
- d. MSCI/Mercer Australia Core Wholesale Monthly Diversified Property Fund Index** - includes funds with a target less than 70% of GAV in any one sector of the market

Each Index has a base date of 30 June 2007.

3.4 INDEX SERIES

In addition to the headline index, for all fund index series the standard index publication consists of two series of indexes which are reported on a pre-fee basis i.e. the calculated returns are Gross of Fees Return for the management fees.

- **UWPFs – Core**, includes unlisted core wholesale property funds with targeted gearing of less than or equal to 30%
- **UWPFs – Core (≤40%)**, includes unlisted core wholesale funds with targeted gearing less than or equal to 40%. This may include funds that are not qualified to be included in the MSCI/MERCER Australia Core Wholesale Monthly Property Fund Index.

4 Data Provision Requirements

4.1 NET ASSET VALUE REPORTING REQUIREMENTS

In addition to the standard requirements, as part of the MSCI Global Data Standards for Real Estate Investments, there are additional requirements for the Net Asset Value. These requirements are:

- a. Vehicles are required to report their NAV on at least a monthly basis and to have done so for the whole of the period of their performance history within the Indexes.
- b. Constituents of the Indexes must agree to calculate their NAV on a consistent basis from month to month. This basis will be either that specified in their own articles of association (or equivalent).

4.2 INDIRECT HOLDINGS (UNITS IN OTHER FUNDS) DISCONTINUED FROM JULY 2021

Till June 2021, constituents of the Index, on a monthly basis, had to disclose to MSCI, the extent of their holdings in other funds (indirect investments/crossholdings) that are also constituents of the Index. This practice is discontinued from July 2021 onwards.

5 Index Calculation Methodology

5.1 METHODOLOGY TRANSITION

During early 2020 MSCI consulted with the real estate investment community on the incorporation of a time-weighted return methodology including adjustment for daily-weighted external cash flows for use in the MSCI Property Fund Indexes methodology for return calculation, index weighting methodology and discontinuation of cross holdings for MSCI Australia Core Wholesale Property Fund Index.

As announced in April 2020 following the public consultation, the new methodology is implemented on a moving forward basis starting July 2021 results reporting of MSCI Australia Core Wholesale PFI. There is no impact to the historical results of the index due to the methodology change, because the change has been implemented on a moving forward basis only.

Starting July 2021 results reporting, the Australia Core Wholesale PFI Methodology is constructed by applying the Time-Weighted Return computation methodology as detailed in the MSCI Property Fund Indexes Methodology (Section 4.3). Till June 2021, the Australia Core Wholesale PFI Methodology was constructed by applying the unitized computation methodology as detailed in the MSCI Property Fund Indexes Methodology (Section 4.2). Longer term returns are calculated based on the combination (splicing) of the two methodologies.

5.2 WEIGHTING

The funds included in the Australia Core Wholesale PFI until June 2021 are weighted according to their NAV at the end of the month (measurement period). Starting July 2021, the funds in the index will be weighted based on the capital employed which is derived as previous period Net Asset Value (NAV) adjusted by external cashflows.

5.3 DATA PREPARATION FOR INDEX CALCULATION

CROSS HOLDING ADJUSTMENT DISCONTINUED FROM JULY 2021

Starting July 2021 results reporting of the MSCI Australia Core Wholesale PFI, the cross-holdings adjustments are discontinued. This change is implemented on a moving forward basis and there is no impact of this change to the historical results. By discontinuing the adjustments for cross-holdings, the sum of the sub-indexes composition would be equal to the index composition based on NAV.

CROSS HOLDING ADJUSTMENT FOR HISTORICAL PERIODS BEFORE JULY 2021

Until June 2021, MSCI has adjusted for cross-holdings in the Australia Core Wholesale PFI and all the sub-indexes within Australia Core Wholesale PFI.

When one fund in the Australia Core Wholesale PFI has an interest in another fund included in the Index, the performance of the fund that is cross-held will contribute directly at a weight of 100% of its total NAV as well as indirectly, with its additional weight depending upon the ownership percentage held within the cross-holding interest. So, the cross-holding adjustment was being made by deducting the amount of the investment from the NAV of the fund in which the investment was made. This same adjustment is made for all the sub-indexes within Australia Core Wholesale PFI only if a cross holding is prevalent within any/all of these sub-indexes.

5.4 RULES FOR PERFORMANCE REPORTING

As part of the requirement for inclusion in the Australia Core Wholesale PFI, data providers agree to disclose their individual fund results and NAV. This means that individual fund results including the NAV are routinely included in market information products. As a result, the confidentiality and dominance criteria are not applied while reporting the performance of Australia Core Wholesale PFI index and its sub-indexes. Similarly, the minimum sample of 10 funds that is required for reporting percentile distributions, is also not applicable for Australia Core Wholesale PFI and its sub-indexes.

5.4.1 FROZEN HISTORY REPORTING

The standard index MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index and other index series (“UWPFs – Core” and “UWPFs – Core (≤40%)”) returns are frozen, which means they have fixed histories and returns will not be updated when new data becomes available or corrections are made, unless the historical corrections need to be restated based on the MSCI Correction Policy. Therefore inclusion of a new fund with historical data does not impact the historical index returns. The index was last restated with the release of May 2011 results published in June 2011. The results of all sub-indexes are based on frozen³ methodology.

³ At the time of December 2022 index results reporting, the sub-indexes were frozen retrospectively to align with the frozen history of MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index. For more details, refer [consultation conclusion announcement](#)

6 MSCI Pooled Property Fund Indexes Advisory Group

The MSCI Pooled Property Fund Indexes Advisory Group is a set of users and data providers for the Australia Core Wholesale PFI. The functions of this group include:

- a. Providing feedback to MSCI on the development of content for the Index.
- b. Providing feedback to MSCI on the inclusion and classification rules for funds within the Index, based on investment mandates and actual data.
- c. Providing feedback to MSCI on changes to the technical specification or the rules of the Index.

MSCI believes that its editorial and operational independence is critical to its objectivity, efficiency and avoiding conflicts of interest. MSCI retains sole discretion over the index methodology, its application and any changes.

7 Appendix I

7.1 INCLUSION CRITERIA FOR MSCI/MERCER AUSTRALIA CORE WHOLESAL E PROPERTY FUND INDEX

Inclusion criteria -MSCI/Mercer Australia Core Wholesale Property Fund Index	
1. Type of Investment Vehicle	Unlisted wholesale property funds (Listed open ended may also be considered)
2. Minimum Direct Real Estate investment in Australia	85% of GAV
3. Fund Structure	Open and commingled fund
4. Maximum fund targeted gearing	30% of GAV
5. Maximum exposure to non-traditional sectors	20% of GAV
6. Maximum development exposure	15% of GAV
7. Are the underlying direct property performance of the fund measured by MSCI at least quarterly?	Yes
8. Data provision requirement	Fund should provide data of their investment performance as per requirements ⁴ , subject to a minimum of either three years, or from the date of launch of the fund
9. Structured for Wholesale investors	Yes

⁴ refer section 3 of the [MSCI Property Fund Indexes Methodology](#)

8 Appendix II

8.1 VERSIONING TABLE

Version	Publication Date	Key Changes
V1	November 2020	Release of the MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index Rules
V2	July 2021	<p>Update to section 4 and 5 of the document with respect to the following –</p> <p>Starting July 2021, on going-forward basis, the results calculation and reporting methodology has changed as listed below</p> <ul style="list-style-type: none"> • Methodology transition to Time-weighted Return including adjustment for daily-weighted external cash flows (TWR) methodology • Discontinuation of the cross holding adjustments • Change the weighting methodology - to be based on capital employed instead of period end NAV <p>Added a note clarifying that confidentiality and dominance rules are not applied in performance reporting as individual fund results and NAV are available publicly.</p>
V3	January 2023	<p>Updated section 5.4 and 5.4.1 following the conclusion of MSCI’s consultation to freeze all sub-indexes of MSCI/Mercer Australia Core Wholesale Monthly Property Fund Index</p> <p>Updated the wording of several sections in the document (section 3.2, 3.3, 6)</p>



Contact us

realestate@msci.com

+ 44 20 7336 4783

AMERICAS

Canada + 1 416 687 6284
US + 1 212 804 3900

EUROPE, MIDDLE EAST & AFRICA

UK + 44 20 7336 9200
France + 44 20 7336 4783
Germany + 49 691 3385 900
Italy + 44 20 7336 9684
Spain + 34 93 467 7403
South Africa + 27 11 656 2115
Sweden + 46 8 400 252 30

ASIA PACIFIC

Australia + 61 2 9033 9300
Hong Kong + 852 2844 9333
Singapore + 65 6826 9339
Japan + 81 3 5211 1455

ABOUT MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 50 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process.

To learn more, please visit www.msci.com.

The process for submitting a formal index complaint can be found on the index regulation page of MSCI's website at: <https://www.msci.com/index-regulation>.

Notice and disclaimer

This document and all of the information contained in it, including without limitation all text, data, graphs, charts (collectively, the "Information") is the property of MSCI Inc. or its subsidiaries (collectively, "MSCI"), or MSCI's licensors, direct or indirect suppliers or any third party involved in making or compiling any Information (collectively, with MSCI, the "Information Providers") and is provided for informational purposes only. The Information may not be modified, reverse-engineered, reproduced or disseminated in whole or in part without prior written permission from MSCI. All rights in the Information are reserved by MSCI and/or its Information Providers.

The Information may not be used to create derivative works or to verify or correct other data or information. For example (but without limitation), the Information may not be used to create indexes, databases, risk models, analytics, software, or in connection with the issuing, offering, sponsoring, managing or marketing of any securities, portfolios, financial products or other investment vehicles utilizing or based on, linked to, tracking or otherwise derived from the Information or any other MSCI data, information, products or services.

The user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF THE INFORMATION PROVIDERS MAKES ANY EXPRESS OR IMPLIED WARRANTIES OR REPRESENTATIONS WITH RESPECT TO THE INFORMATION (OR THE RESULTS TO BE OBTAINED BY THE USE THEREOF), AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EACH INFORMATION PROVIDER EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF ORIGINALITY, ACCURACY, TIMELINESS, NON-INFRINGEMENT, COMPLETENESS, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) WITH RESPECT TO ANY OF THE INFORMATION.

Without limiting any of the foregoing and to the maximum extent permitted by applicable law, in no event shall any Information Provider have any liability regarding any of the Information for any direct, indirect, special, punitive, consequential (including lost profits) or any other damages even if notified of the possibility of such damages. The foregoing shall not exclude or limit any liability that may not be applicable law be excluded or limited, including without limitation (as applicable), any liability for death or personal injury to the extent that such injury results from the negligence or willful default of itself, its servants, agents or sub-contractors.

Information containing any historical information, data or analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. Past performance does not guarantee future results.

The Information should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. All Information is impersonal and not tailored to the needs of any person, entity or group of persons.

None of the Information constitutes an offer to sell (or a solicitation of an offer to buy), any security, financial product or other investment vehicle or any trading strategy.

It is not possible to invest directly in an index. Exposure to an asset class or trading strategy or other category represented by an index is only available through third party investable instruments (if any) based on that index. MSCI does not issue, sponsor, endorse, market, offer, review or otherwise express any opinion regarding any fund, ETF, derivative or other security, investment, financial product or trading strategy that is based on, linked to or seeks to provide an investment return related to the performance of any MSCI index (collectively, "Index Linked Investments"). MSCI makes no assurance that any Index Linked Investments will accurately track index performance or provide positive investment returns. MSCI Inc. is not an investment adviser or fiduciary and MSCI makes no representation regarding the advisability of investing in any Index Linked Investments.

Index returns do not represent the results of actual trading of investible assets/securities. MSCI maintains and calculates indexes, but does not manage actual assets. Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase the securities underlying the index or Index Linked Investments. The imposition of these fees and charges would cause the performance of an Index Linked Investment to be different than the MSCI index performance.

The Information may contain back tested data. Back-tested performance is not actual performance, but is hypothetical. There are frequently material differences between back tested performance results and actual results subsequently achieved by any investment strategy.

Constituents of MSCI equity indexes are listed companies, which are included in or excluded from the indexes according to the application of the relevant index methodologies. Accordingly, constituents in MSCI equity indexes may include MSCI Inc., clients of MSCI or suppliers to MSCI. Inclusion of a security within an MSCI index is not a recommendation by MSCI to buy, sell, or hold such security, nor is it considered to be investment advice.

Data and information produced by various affiliates of MSCI Inc., including MSCI ESG Research LLC and Barra LLC, may be used in calculating certain MSCI indexes. More information can be found in the relevant index methodologies on www.msci.com.

MSCI receives compensation in connection with licensing its indexes to third parties. MSCI Inc.'s revenue includes fees based on assets in Index Linked Investments. Information can be found in MSCI Inc.'s company filings on the Investor Relations section of www.msci.com.

MSCI ESG Research LLC is a Registered Investment Adviser under the Investment Advisers Act of 1940 and a subsidiary of MSCI Inc. Except with respect to any applicable products or services from MSCI ESG Research, neither MSCI nor any of its products or services recommends, endorses, approves or otherwise expresses any opinion regarding any issuer, securities, financial products or instruments or trading strategies and MSCI's products or services are not intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. Issuers mentioned or included in any MSCI ESG Research materials may include MSCI Inc., clients of MSCI or suppliers to MSCI, and may also purchase research or other products or services from MSCI ESG Research. MSCI ESG Research materials, including materials utilized in any MSCI ESG Indexes or other products, have not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body.

Any use of or access to products, services or information of MSCI requires a license from MSCI. MSCI, Barra, RiskMetrics, IPD and other MSCI brands and product names are the trademarks, service marks, or registered trademarks of MSCI or its subsidiaries in the United States and other jurisdictions. The Global Industry Classification Standard (GICS) was developed by and is the exclusive property of MSCI and Standard & Poor's. "Global Industry Classification Standard (GICS)" is a service mark of MSCI and Standard & Poor's.

MIFID2/MIFIR notice: MSCI ESG Research LLC does not distribute or act as an intermediary for financial instruments or structured deposits, nor does it deal on its own account, provide execution services for others or manage client accounts. No MSCI ESG Research product or service supports, promotes or is intended to support or promote any such activity. MSCI ESG Research is an independent provider of ESG data, reports and ratings based on published methodologies and available to clients on a subscription basis. We do not provide custom or one-off ratings or recommendations of securities or other financial instruments upon request.

Privacy notice: For information about how MSCI collects and uses personal data, please refer to our Privacy Notice at <https://www.msci.com/privacy-pledge>.

NO REGULATED USE OF ANY MSCI PRIVATE REAL ASSETS INDEXES IN ANY JURISDICTION IS PERMITTED WITHOUT MSCI'S EXPRESS WRITTEN AUTHORIZATION. THE PROCESS FOR APPLYING FOR MSCI'S EXPRESS WRITTEN AUTHORIZATION CAN BE FOUND ON THE INDEX REGULATION PAGE OF MSCI'S WEBSITE AT: <https://www.msci.com/index-regulation>.

PRIVACY NOTICE: FOR INFORMATION ABOUT HOW MSCI ESG RESEARCH LLC COLLECTS AND USES PERSONAL DATA CONCERNING OFFICERS AND DIRECTORS, PLEASE REFER TO OUR PRIVACY NOTICE AT [HTTPS://WWW.MSCI.COM/PRIVACY-PLEDGE](https://www.msci.com/privacy-pledge).