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Valuation of alternative investments
Deloitte Valuation Center:



More regulation, more complexity, more valuation issues



Following the 2008 financial crisis, regulators across the globe have increased their focus on the alternative investment fund industry, an industry which was still relatively unregulated.

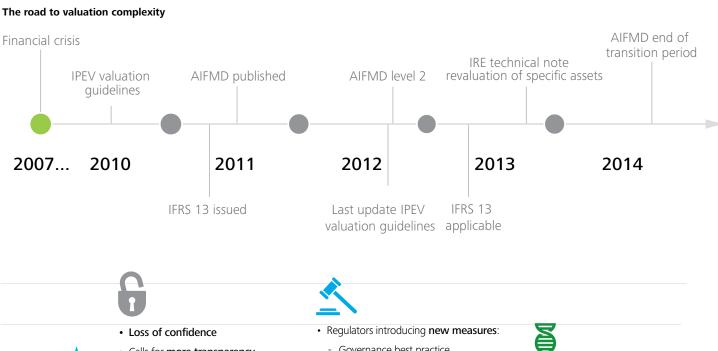
This has triggered the introduction of measures such as the Alternative Investment Fund Managers Directive (AIFMD) and other stringent obligations around valuation matters. In this context, the way professionals look at valuation issues has to be revisited. Past philosophies and processes have become obsolete and no longer comply with current requirements.

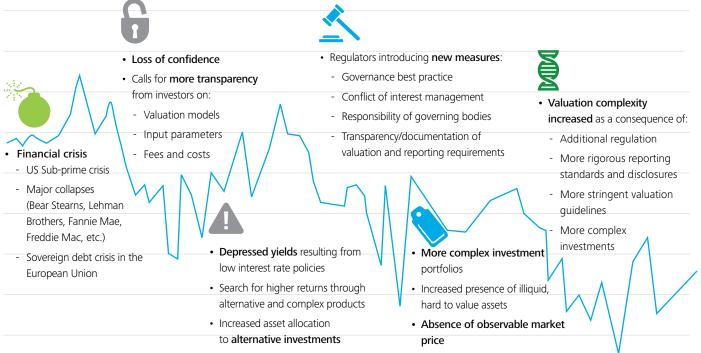
In addition, the demand for additional disclosure and greater transparency in financial statements has created the need for consistent, well-documented, independent valuations.

Alternative investment fund managers and asset servicers have to adapt to this new environment and either dedicate internal resources or seek an external provider to assist with their valuation needs.

The Deloitte Valuation Center is your partner of choice for all valuation-related matters, across the lifecycle of your fund or investment portfolio.

The Deloitte Valuation Centre offers an integrated solution around all your valuation needs across most asset classes





· Value uncertainty until exit

Whether you are a Director, a Fund Manager Deloitte can assist in meeting your valuation

Deloitte provides tailor made solutions to stakeholders across the value chain



Deloitte added value

- · Industry knowledge
- · Valuation expertise
- Safeguards for independence of valuation functions
- · Quality control
- Cost efficient services
- Outsourcing of non-core activities for stakeholders

FUND MANAGER / AIFM

Your requirements

- Perform the valuation function internally or delegate to an external valuer
- Establish and periodically review appropriate and consistent valuation procedures and escalation process
- Account for the proper and independent valuation of AIF's assets
 - Advice for the design and implementation of valuation policies & procedures and for the drafting of valuation principles in the offering documents
 - Assistance on all aspects of the preparation of recurring valuations (e.g. methodology, models, data, etc.)
 - Independent review of valuations prepared by AIFM or third party to confirm results fall within an acceptable range
 - Set-up of delegates' oversight and control framework





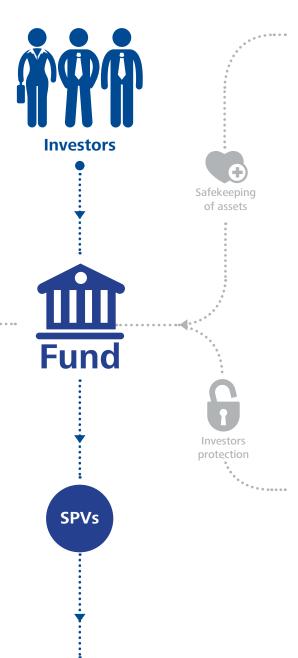
FUND ADMINISTRATOR

Your requirements

- Ensure specific administrative and accounting procedures are in place for the proper calculation of the net asset value of the AIF
- Ensure existence of remedial procedures for incorrect NAV calculation / pricing issues
- Act as external valuer if appointed by the AIFM
 - Drafting of NAV calculation / pricing policies and procedures
 - Cross-valuation of fund investments and definition of escalation measures in case of discrepancy
 - Assistance for the valuation of illiquid and hard to value investments (i.e. level II and level III assets)
 - Preparation of fair value disclosures for financials and investor reporting
 - AIFM-like services if fund administrator acts as valuer



or a Service Provider, related responsabilities



Investments

DEPOSITARY

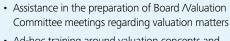
Your requirements

- · Ensure that appropriate valuation procedures and policies are established for each AIF
- · Verify that periodic valuations are consistently performed in accordance with the terms of the offering documents, valuation policies and procedures
- · Control that valuation policies are periodically reviewed
- · Understand the valuation models
 - · Design of AIF investment valuation monitoring / controlling / plausibility tools
 - · Independent review of valuation reported by the AIF
 - · Conduct ad-hoc or recurring due diligence on third party valuation processes (AIFM, fund manager, valuer, etc.) on behalf of the depositary to ensure compliance with fund regulatory requirements, policies and procedures



DIRECTORS

- Ultimately responsible for proper valuations of AIF assets
- · Ensure oversight of the valuation function
- Ensure existence and respect of escalation measures to tackle valuation issues
- Liaise with auditors and valuation experts to obtain guidance



- · Ad-hoc training around valuation concepts and related risks
- Audit of valuation processes on behalf of Board / Audit Committee
- Independent expert opinion in case of valuation disputes / disagreements



The Deloitte Valuation Center provides lifecycle, from initial set-up to periodic

Our involvement can range from support to your teams to a full independent review

Advice on best practice valuation policies and control environment

- Design of valuation policies compliant with regulations and market practice
- Description of valuation workflow and corresponding tasks
- Definition of valuation stakeholders' roles and responsibilities
- Identification of valuation risks, set-up of relevant controls
- Definition of fair value reporting disclosures

Design of cash flow and valuation models

- Review of investment characteristics and selection of valuation methodology
- Design of state-of-the-art valuation models
- Definition and documentation of required valuation input and assumptions
- Determination of value attribution mechanisms based on investment structuring
- Calibration of valuation models with initial transaction price

Initial Period: AIF Set-Up

Gap analysis of valuation process

- Review compliance of current valuation policy and procedures with regulations, AIF's offering documents, best market practice, etc.
- Proposition of remediation plan
- Due diligence on AIF's valuation processes

Investment Period: Assets On Boarding

Review of assets' valuation at on-boarding

 Review of valuation models (mathematical accuracy, adequacy of methodology, robustness of assumptions documentation, etc.)

Monitoring of market and regulatory trends

- Identification of regulatory changes and guidance in their implementation in the valuation process
- Regular update on most up to date trends / significant events in relevant sectors

Preparation Assistance

Independent Revie

assistance throughout the AIF's portfolio valuation updates

Market and sector data collection

- Gather and analyse data required by the valuation process
 - Market data such as risk free rates, exchange rates, betas, volatility, transaction multiples, etc.
 - Investment specific data such as historical financials, forecasts, etc.
 - Financial statements of funds of funds
- Definition of benchmarking to support key assumptions

Valuation models update and reporting assistance

- Update of all market and investment specific data, including peer group, forecasts,etc.
- · Valuation model technical review
- Valuation models update
- Assistance in the definition of acceptable valuation range for each investment
- · Update of investor reporting
- Support in dealing with auditors

Holding Period: Recurring Valuation of Assets

Independent valuation review

- For direct investments, our review includes:
 - Check compliance with valuation policies and procedures
 - Confirm proper selection of valuation methodology
 - Review validity and completeness of market data
 - Benchmarking of main valuation assumptions
 - Verification of valuation models
 - Review adequacy of valuation results and confirm results fall within an acceptable range

- For indirect investments (funds of funds), our review includes:
 - Collect and review estimated vs. final NAV and log impact
 - Collect financials of underlying funds
 - Assess liquidity risk and valuation appropriateness of underlying funds
 - Produce risk reports and dashboards

A wide coverage across asset classes

We cover a wide range of asset classes and our goal is to become your preferred valuation support service provider, irrespective of the alternative asset class under consideration.

All types of strategies:

- Private equity across business stages
- Real estate including all type of properties and infrastructure projects across the globe
- Hedge funds with the most complex investments
- · Fund of funds

All types of vehicles:

- Regulated and unregulated structures
- SIF, SICAR, Part 2 funds
- Holdings and SPVs
- Securitisation vehicles, etc.

GEO-GRAPHICS

STRATEGIES

VEHICLES

INDUSTRIES

INSTRUMENTS

All types of industries

- Financial services
- Retail, wholesale & distribution
- Tourism hospitality & leisure
- Insurance
- Public sector
- Media
- Global energy & resources
- Aerospace & defence
- · Automotive industry
- Telecommunications
- Consumer products
- Real Estate
- · Manufacturing
- Global shipping & ports
- Infrastructure

All types of instruments

- · Equity investments
- · Debt and hybrid instruments
- Complex derivatives, exotic options, rights
- · Structured products
- · Asset backed securities, etc.

Geographics

 Access to valuation professionals across the globe through the Deloitte network The Deloitte Valuation Center tackles all your valuation needs so that you can focus on your core activities



Our valuation practice at a glance

The Deloitte Valuation Center has a 15-year track record in valuing a wide range of illiquid or hard to value assets, as well as all types of securities, issued by privately held or public businesses, intangible assets, such as intellectual property rights, partnership interests, options and warrants, and other derivatives or structured products.

Our involvement can range from limited valuation review to publicly disclosed fairness opinion. We have rendered these services in many different circumstances including financial reporting, mergers & acquisitions or disposals, taxation planning and compliance, bankruptcy and restructuring, litigation and dispute resolution, succession issues and strategic planning.

We have a diversified client base that includes Private Equity Funds, Hedge Funds, Fund of Funds, Fund administrators and many others. We also have a valuation centre of excellence within Deloitte, helping audit teams review the valuation of the investment portfolio of alternative investment funds at year end. As a result, we have acquired extensive knowledge of audit requirements.

Our team is made up of 30 experts who are based in Luxembourg and have developed an impressive track record by carrying out numerous local and international valuation assignments. Our valuation professionals have a variety of backgrounds such as investment banking, asset management, private equity, audit, strategic consulting, etc. They are highly qualified professionals having studied MBAs, CFAs, CQFs, ERMs, CAIAs and include chartered accountants and professionals who are members of organisations such as RICS, EVCA, IIBV, etc.

Our professionals are always checking for changes in regulatory, tax and accounting requirements using Deloitte's global accounting, advisory and tax practices.

Thanks to our global network and teams of more than 10,000 dedicated valuation professionals in all major geographic markets and jurisdictions, we are able to cover all geographic regions.





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