Development of Teaching Cases for Insurance Contract Liability Measurement under IFRS 17

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Abstract: The implementation of IFRS 17 (International Financial Reporting Standard 17) represents a significant shift in how insurance companies account for insurance contracts, particularly in the measurement of liabilities. This paper explores the development of teaching cases designed to assist students in understanding the practical application of IFRS 17 in the insurance industry, focusing specifically on insurance contract liabilities. The research highlights the core elements of IFRS 17, including initial recognition, subsequent measurement, and non-financial risk adjustments. Furthermore, it examines the challenges faced by insurance companies in implementing IFRS 17 and how these challenges can be addressed through effective case-based teaching. The objective is to foster a deeper understanding of IFRS 17's implications for financial reporting and provide students with the tools to navigate its complexities. Through an analysis of real-world scenarios and educational strategies, this paper aims to contribute to the advancement of accounting education in the context of evolving international standards.

Keywords: IFRS 17; Insurance contract liability; Financial reporting; Teaching cases; Insurance industry

DOI: 10.62639/sspjiess02.20250203

1. Introduction

The introduction of IFRS 17 has reshaped the landscape of insurance contract accounting, introducing new complexities and challenges for both the industry and accounting education. As the first comprehensive standard for insurance contracts under IFRS, IFRS 17 requires insurance companies to adopt a new approach to the measurement of insurance contract liabilities. This shift has profound implications for the accuracy, transparency, and comparability of financial statements, which in turn affects the decisions of stakeholders, including investors, regulators, and policyholders.

This paper aims to explore the development of teaching cases centered around IFRS 17, focusing on how case-based learning can help students understand and apply the principles of the standard. The teaching of IFRS 17 presents a unique opportunity to integrate theoretical knowledge with real-world practice, bridging the gap between academic learning and the practical challenges faced by professionals in the field.

The primary research question addressed in this paper is: How can teaching cases be designed to effectively convey the application of IFRS 17 in the context of insurance contract liability measurement? The paper also considers the broader impact of IFRS 17 on financial reporting and the implications for accounting education. By developing detailed, realistic case studies, this research aims to contribute to a more nuanced understanding of IFRS 17’s complexities and its application in the insurance sector.

2. Overview of IFRS 17

The core objective of IFRS 17 is to provide a comprehensive framework for the accounting and reporting of

(Manuscript NO.: JIESS-25-3-68001)

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insurance contracts. Unlike its predecessor, IFRS 4, which allowed for a variety of approaches based on national standards, IFRS 17 introduces a unified set of rules designed to improve the comparability and transparency of financial statements across insurance companies worldwide. This section outlines the key components of IFRS 17, focusing on the measurement of insurance contract liabilities.

(1) Initial recognition and liability measurement

Under IFRS 17, insurance contract liabilities must be recognized at the outset of a contract based on the fair value of future cash flows, including premiums, claims, and other payments. This fair value measurement contrasts with previous standards, which often allowed insurance companies to use a historical cost approach. The initial recognition of liabilities is a critical point of departure for insurers, as it requires a thorough understanding of future cash flows and the timing of those cash flows, as well as the assumptions made regarding their likelihood.

The standard mandates that these initial measurements incorporate both financial and non-financial risks. This ensures that the recognized liability reflects the true economic cost of the contract, rather than simply the face value of premiums received. The challenge for insurance companies, however, lies in accurately estimating these future cash flows, especially when market conditions are volatile or when the contract involves complex risk factors, such as long-duration policies or policies with embedded options.

(2) Subsequent measurement

Following initial recognition, IFRS 17 mandates that insurance companies periodically update the measurement of insurance contract liabilities to reflect the passage of time, changes in estimates of future cash flows, and adjustments for risks. This process, known as subsequent measurement, requires insurers to apply the "current fulfillment value" approach, which involves updating liability estimates based on the present value of future cash flows, adjusted for any non-financial risks.

The most significant challenge associated with subsequent measurement under IFRS 17 is the need for insurers to constantly reassess the assumptions underlying their liability estimates. Changes in economic conditions, such as interest rates or inflation, can dramatically affect the value of insurance contract liabilities. Additionally, non-financial risks, such as policyholder behavior or claims volatility, must be considered when making these adjustments.

(3) Non-Financial risk adjustments

IFRS 17 introduces the concept of non-financial risk adjustments, which reflect the uncertainty associated with the cash flows of insurance contracts. These adjustments account for risks that are not directly related to market movements, such as underwriting risk, operational risk, and policyholder behavior risk. The measurement of these risks is inherently subjective, and the standard provides insurers with flexibility in how they assess and disclose these adjustments.

For teaching purposes, understanding the application of non-financial risk adjustments is crucial, as it introduces an element of judgment that is not typically found in more straightforward financial measurements. By incorporating case studies that require students to assess and quantify non-financial risks, educators can highlight the importance of judgment in the measurement of insurance contract liabilities.

3. Challenges in Insurance Contract Liability Measurement under IFRS 17

While IFRS 17 aims to improve the consistency and comparability of insurance contract accounting, it also presents significant challenges for both insurers and accounting professionals. This section explores some of the most pressing issues that arise during the application of the standard, particularly in relation to the measurement of insurance contract liabilities.

(1) The complexity of initial recognition

The process of determining the fair value of insurance contract liabilities at the time of initial recognition is one of the most complex aspects of IFRS 17. Insurers must estimate future cash flows based on a range of assumptions, including expected claims, premiums, and expenses, as well as discount rates and risk adjustments. The challenge lies in making accurate predictions about future events, many of which are uncertain and subject to significant variation.

Teaching cases can play a critical role in helping students understand how these initial estimates are made and the potential implications of errors or biases in these estimates. By using real-world examples, students can gain a better understanding of the risks and uncertainties involved in the initial recognition of insurance contract liabilities.

(2) Adjustments for Non-Financial risks

Non-financial risks, such as the risk of underwriting errors or changes in policyholder behavior, are difficult to measure and require significant judgment. IFRS 17 provides some guidance on how to assess these risks, but it ultimately leaves much of the decision-making to the judgment of insurers. This flexibility can create challenges for both practitioners and students, who must navigate the complexities of risk adjustment calculations.

Through case studies, students can learn how insurers assess non-financial risks and how these risks impact the overall measurement of insurance contract liabilities. Case-based learning also allows for the exploration of different approaches to risk adjustment, providing students with a broader perspective on how different insurers may approach these challenges.

(3) Ongoing adjustments in subsequent measurement

Subsequent measurement under IFRS 17 requires insurers to update their liability estimates periodically to reflect changes in market conditions and the passage of time. This ongoing process can lead to significant fluctuations in the reported value of insurance liabilities, which may pose challenges for insurers in terms of managing financial stability and maintaining investor confidence.

In teaching cases, students can explore how insurers update their liability estimates over time, considering factors such as changes in interest rates, inflation, and policyholder behavior. These cases can also illustrate how different insurers may approach subsequent measurement based on their unique risk profiles and business models.

4. Developing Teaching Cases for IFRS 17

The introduction of IFRS 17 presents both an opportunity and a challenge for accounting education. One of the most effective ways to help students grasp the complex principles underlying the standard is through the development of teaching cases. These cases serve as a bridge between theory and practice, offering students the chance to explore real-world scenarios and apply their knowledge to solve practical problems. In this section, we will examine the role of teaching cases in the context of IFRS 17 and provide a detailed outline for designing effective cases that address key aspects of insurance contract liability measurement.

(1) Purpose of teaching cases

Teaching cases are designed to simulate real-world problems that professionals might face in practice. By working through these cases, students gain hands-on experience in applying accounting principles and making informed decisions. In the case of IFRS 17, teaching cases can help students understand the nuances of the standard by presenting scenarios that require them to apply the various measurement principles, including initial recognition, subsequent measurement, and non-financial risk adjustments.

One of the main advantages of teaching cases is that they encourage students to critically analyze situations from multiple perspectives. For example, students might be asked to consider how different assumptions about future cash flows or risk adjustments would affect the measurement of insurance contract liabilities. This approach not only deepens students' understanding of IFRS 17 but also helps them develop the analytical skills necessary to navigate complex accounting issues in practice.

(2) Case design principles

Effective teaching cases should be based on realistic and relevant scenarios that reflect the challenges insurance companies face when applying IFRS 17. The following principles can guide the design of such cases:

1) Real-World Relevance: The case should reflect a situation that an insurance company might actually encounter. This could involve a specific type of insurance contract, such as life insurance, health insurance, or property insurance, or it could focus on a particular market condition, such as interest rate changes or economic downturns.

2) Complexity and Challenge: The case should challenge students to think critically and apply IFRS 17 in a way that reflects its complexities. For example, the case might require students to calculate the fair value of insurance contract liabilities, make assumptions about future cash flows, and incorporate non-financial risks into their estimates.

3) Multiple Learning Objectives: Each case should address multiple aspects of IFRS 17. For instance, students might be asked to analyze both the initial recognition of liabilities and their subsequent measurement, as well as to assess the impact of non-financial risk adjustments on financial statements.

4) Clear Instructions and Structure: While the case should present a challenging problem, it is important that the instructions and structure are clear. Students should be provided with the necessary information to make informed decisions, but they should also be encouraged to think critically about the assumptions they make and the potential impact of their decisions.

(3) Sample case design

An example of a teaching case might involve an insurance company that must recognize a new life insurance contract under IFRS 17. The case would require students to:

1) Initial Recognition: Calculate the fair value of the insurance contract liabilities, considering the expected premiums, claims, and expenses. Students would need to make assumptions about the future cash flows and determine the appropriate discount rate to use.

2) Subsequent Measurement: Update the liability measurement based on new information, such as changes in interest rates, expected claims, or inflation. Students would also need to assess how the passage of time affects the present value of future cash flows.

3) Non-Financial Risk Adjustments: Consider how non-financial risks, such as underwriting risk or policyholder behavior, should be incorporated into the liability measurement. Students would need to decide how to quantify these risks and adjust the liability accordingly.

This case would help students understand the practical application of IFRS 17 by requiring them to engage with all three key elements of the standard: initial recognition, subsequent measurement, and non-financial risk adjustments. By working through this case, students would gain a deeper understanding of the challenges insurance companies face in implementing IFRS 17 and develop the skills needed to navigate these challenges.

(4) Integrating theory and practice

One of the main benefits of teaching cases is that they allow students to integrate theoretical knowledge with practical applications. IFRS 17 introduces a number of new concepts and measurement techniques, and teaching cases can help students see how these principles play out in the real world. For example, a case could explore how different assumptions about future cash flows can significantly affect the liability measurement, helping students understand the importance of accurate forecasting and judgment.

Moreover, teaching cases can provide an opportunity for students to discuss the broader implications of IFRS 17. For instance, how does the introduction of IFRS 17 affect the transparency and comparability of financial reports? What are the implications for investors, regulators, and policyholders? By incorporating these discussions into the case, students can develop a more holistic understanding of the standard and its impact on the insurance industry.

5. Impact of IFRS 17 on Financial Reporting Quality

IFRS 17 was introduced with the aim of improving the transparency, comparability, and reliability of financial reporting in the insurance industry. In this section, we will explore the impact of IFRS 17 on the quality of financial reporting, focusing on how the standard enhances the usefulness of financial statements for stakeholders, such as investors, regulators, and policyholders.

(1) Financial transparency

One of the key goals of IFRS 17 is to improve the transparency of financial statements by requiring insurance companies to provide more detailed and consistent information about their insurance contracts. Prior to IFRS 17, many insurers used different accounting practices based on local standards, which made it difficult for stakeholders to compare the financial performance of insurance companies across different jurisdictions.

With the introduction of IFRS 17, all insurers are required to use the same principles for measuring and reporting insurance contract liabilities, ensuring that their financial statements are more consistent and comparable. This increased transparency is particularly important for investors, who rely on financial reports to assess the financial health of insurance companies. By providing a clearer picture of an insurer's liabilities and assets, IFRS 17 allows investors to make more informed decisions.

(2) Improving comparability

IFRS 17 also enhances the comparability of financial statements across different insurance companies and regions. Prior to the introduction of the standard, insurers were allowed to apply different accounting practices based on their national regulations. This lack of consistency made it difficult to compare the financial performance of insurers, especially when they operated in multiple countries.

With IFRS 17, insurers must follow the same rules for measuring insurance contract liabilities, regardless of their location. This standardization improves the ability to compare the financial performance of insurers, both within a single country and across international markets. For investors and regulators, this increased comparability makes it easier to evaluate the financial strength and stability of insurance companies.

(3) Financial reporting challenges

While IFRS 17 improves the transparency and comparability of financial reports, it also introduces new challenges for insurers. For example, the requirement to measure insurance contract liabilities at fair value requires insurers to make complex assumptions about future cash flows and discount rates. These assumptions can be subject to significant uncertainty, which may lead to fluctuations in the reported value of insurance liabilities.

Moreover, the need to account for non-financial risks adds an additional layer of complexity to financial reporting. Non-financial risk adjustments are inherently subjective and depend on the insurer’s judgment. As a result, there may be differences in how insurers apply these adjustments, which could affect the comparability of financial statements.

Despite these challenges, the benefits of IFRS 17 in terms of financial reporting quality are clear. By improving transparency and comparability, the standard enhances the usefulness of financial statements for stakeholders and provides a more accurate picture of an insurer’s financial position.

6. Future Trends in IFRS 17 Implementation and Teaching

The implementation of IFRS 17 is a significant milestone in the evolution of accounting for insurance contracts. As insurance companies around the world begin to adopt the new standard, we can expect to see various trends emerging both in terms of its application in the industry and the way it is taught to accounting students. This section explores the future of IFRS 17, considering its ongoing development and the role of accounting education in preparing professionals for its challenges.

(1) Evolving applications of IFRS 17

The implementation of IFRS 17 is still in its early stages for many insurance companies, and as such, the standard's application will likely continue to evolve over time. One area where we may see further developments is in the measurement of non-financial risks. While the standard provides broad guidelines for how these risks should be assessed and incorporated into liability measurements, insurers still have significant discretion in how they approach risk adjustments. As the industry gains more experience with IFRS 17, there may be a movement towards greater standardization in how non-financial risks are quantified and disclosed, as insurers learn from each other’s approaches.

Moreover, as insurance companies continue to implement IFRS 17, it is likely that new tools and technologies will emerge to help with the measurement and reporting of insurance contract liabilities. For instance, advanced data analytics and machine learning techniques could play a role in improving the accuracy of liability estimates, particularly in relation to forecasting future cash flows and assessing non-financial risks. These technologies could also help insurers manage the complexities of ongoing liability measurement and provide more accurate and timely updates to their financial statements.

Another trend to watch is the potential for further integration of IFRS 17 with other global accounting standards. As global markets become increasingly interconnected, there may be a push to harmonize IFRS 17 with other financial reporting standards, such as those related to risk management and actuarial accounting. Such developments could lead to more comprehensive and consistent financial reporting across the insurance industry.

(2) Educational trends in IFRS 17

In the field of accounting education, IFRS 17’s introduction has brought about a need for updated curricula and teaching materials. Accounting educators must now focus on equipping students with the knowledge and skills to understand and apply this new standard, which presents a range of technical challenges and requires a deep understanding of insurance contract liability measurement.

One of the main educational trends we expect to see is a growing emphasis on case-based learning. Teaching cases, as discussed earlier, provide an effective way to help students bridge the gap between theory and practice. As IFRS 17 is implemented, the development of new and updated teaching cases will be critical in helping students understand the complexities of the standard. These cases will need to reflect the challenges that insurers face in applying IFRS 17, particularly in areas such as the estimation of future cash flows, the application of discount rates, and the measurement of non-financial risks.

Additionally, as more insurers adopt IFRS 17, there will likely be a greater focus on incorporating real-world case studies and industry-specific examples into the curriculum. By using examples from actual insurance companies and their experiences with IFRS 17, educators can provide students with practical insights into how the standard is applied in different market conditions. This will help students develop a more nuanced understanding of the challenges and opportunities associated with the new standard.

Another emerging trend in accounting education is the use of technology to support learning. The use of simulation software and interactive tools could enhance students' ability to understand the dynamic process of insurance contract liability measurement. These tools can provide students with a hands-on experience in applying IFRS 17 principles to real-world scenarios, allowing them to visualize how changes in assumptions or market conditions affect the measurement of insurance contract liabilities.

(3) Recommendations for teaching IFRS 17

As accounting educators adapt to the challenges of teaching IFRS 17, several strategies can be employed to enhance student learning. First, it is essential to ensure that students have a strong foundation in the core principles of IFRS 17 before diving into complex case studies. This includes a thorough understanding of the requirements for initial recognition, subsequent measurement, and non-financial risk adjustments.

Second, educators should encourage students to think critically about the implications of IFRS 17 on financial reporting. This includes analyzing the impact of the standard on transparency, comparability, and the overall quality of financial statements. By engaging students in discussions about the broader implications of the standard, educators can help them develop a more holistic understanding of its role in the insurance industry.

Finally, given the technical nature of IFRS 17, it is important to provide students with ample opportunities to practice applying the standard in real-world contexts. This can be achieved through the use of case studies, simulations, and collaborative projects. By working on practical assignments that require them to apply IFRS 17 principles, students will gain the skills and confidence needed to navigate the complexities of insurance contract liability measurement.

7. Conclusion

The introduction of IFRS 17 has had a profound impact on the way insurance companies account for insurance contracts, particularly in the measurement of liabilities. The standard's emphasis on fair value measurement, non-financial risk adjustments, and subsequent measurement has reshaped financial reporting in the insurance industry, making it more transparent, consistent, and comparable across different markets. However, the implementation of IFRS 17 also presents significant challenges for both insurance companies and accounting professionals.

This paper has explored the development of teaching cases as an effective tool for helping students understand the complexities of IFRS 17 and its application in the insurance sector. By designing cases that simulate real-world scenarios, educators can provide students with the opportunity to apply their theoretical knowledge to practical problems, helping them develop the skills necessary to navigate the challenges of IFRS 17 implementation.

Looking forward, the application of IFRS 17 will continue to evolve, with advancements in technology, data analytics, and global standardization potentially shaping the future of insurance contract liability measurement. Accounting educators must remain agile, continuously updating curricula and teaching strategies to reflect these changes and ensure that students are prepared for the evolving demands of the accounting profession.

Through case-based learning and a deeper understanding of IFRS 17’s implications, students can gain a more comprehensive understanding of the complexities of financial reporting in the insurance industry. This, in turn, will better prepare them for the challenges they will face as future accounting professionals, ensuring that they are equipped to navigate the complexities of IFRS 17 and contribute to the ongoing development of accounting practices in the insurance sector.

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