Original Research Article

Analysis of factors influencing corporate currency risk

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Abstract: This paper conducts an in-depth analysis of the factors influencing corporate currency risk. In the context of increasingly frequent international economic and trade activities, currency risk has become a significant challenge for enterprises.By exploring macro-economic factors such as interest rate differentials, inflation rates, and economic growth, as well as enterprise-specific factors including business scope, financial structure, and risk management capabilities, this paper aims to comprehensively understand the influencing mechanism of currency risk.Additionally, it analyzes the impact of global political situations, trade policies, and regulatory environments on corporate currency risk.Through theoretical analysis and case studies, the paper provides a basis for enterprises to formulate effective currency risk management strategies, helping them reduce potential losses caused by currency fluctuations and enhance their competitiveness in the international market.

Keywords: Corporate currency risk; Macroeconomic factors; Enterprise-specific factors; Risk management; Currency fluctuations

1. Introduction

In the era of globalization, the international economic and trade environment has become increasingly complex.Enterprises, especially those engaged in international business, are constantly exposed to currency risk. Currency risk refers to the potential losses that enterprises may suffer due to fluctuations in exchange rates. These fluctuations can have a significant impact on an enterprise's financial performance, profitability, and overall competitiveness.Understanding the factors that influence corporate currency risk is crucial for enterprises to develop appropriate risk management strategies.

For multinational corporations, currency risk is an inevitable part of their operations.A small change in exchange rates can lead to large-scale changes in the value of assets, liabilities, revenues, and costs denominated in different currencies.For example, if a U.S.-based company has significant sales in the Eurozone and the euro depreciates against the U.S.dollar, the company's euro-denominated revenues will convert to fewer U.S.dollars, resulting in a decrease in its overall revenue and profit.Therefore, a comprehensive analysis of the factors influencing corporate currency risk is of great practical significance.

2. Macroeconomic factors influencing corporate currency risk

2.1. Interest rate differentials

Interest rate differentials between countries play a crucial role in currency risk.According to the interest rate parity theory, differences in interest rates between two countries will lead to changes in the exchange rate.When the interest rate in one country is higher than that in another country, investors are more likely to invest in the country with the higher interest rate.To do so, they need to exchange their domestic currency for the currency of the country with the higher interest rate, which increases the demand for that currency and causes its appreciation.

For instance, if the interest rate in the United Kingdom rises while the interest rate in the United States remains stable, international investors may transfer their funds from the U.S.to the UK.As a result, the demand for British pounds increases, and the pound appreciates against the U.S.dollar.For a U.S.enterprise with business operations in the UK, this appreciation of the pound may lead to increased costs if it has pound-denominated debts or decreased revenues if its UK-based sales are denominated in pounds and then converted back to dollars.

2.2. Inflation rates

Inflation rates also have a significant impact on currency risk.The purchasing-power parity theory states that changes in the relative inflation rates between two countries will cause corresponding changes in the exchange rate.When a country's inflation rate is higher than that of its trading partners, the domestic currency will tend to depreciate.This is because higher inflation reduces the purchasing power of the domestic currency, making domestic goods and services relatively more expensive compared to foreign ones.

Take Japan and the United States as an example.If Japan experiences higher inflation than the U.S., Japanese products will become more expensive in the international market.As a result, the demand for Japanese goods decreases, and the demand for the Japanese yen also declines.Consequently, the yen will depreciate against the U.S.dollar.For a Japanese company that imports raw materials from the U.S.and exports finished products to the U.S., the depreciation of the yen will increase its import costs and may reduce its export competitiveness, thereby increasing its currency risk.

2.3. Economic growth

Economic growth is another important macroeconomic factor influencing currency risk.A country with strong economic growth usually attracts more foreign investment.As foreign investors invest in the country, they need to buy the local currency, which increases the demand for the currency and causes it to appreciate. In addition, strong economic growth often leads to an increase in domestic income, which may increase the demand for imports.If the growth rate of imports is faster than that of exports, it may put pressure on the domestic currency to depreciate.

For example, emerging economies such as China and India have experienced rapid economic growth in recent decades.Their strong economic performance has attracted a large amount of foreign direct investment and portfolio investment.This has led to an increase in the demand for the Chinese yuan and the Indian rupee, causing their currencies to appreciate to a certain extent.However, as their domestic economies grow, the demand for imports also increases.If the trade balance deteriorates, it may have an impact on the exchange rate of their currencies and increase the currency risk faced by domestic enterprises engaged in international trade.

3. Enterprise-specific factors influencing corporate currency risk

3.1. Business scope

The business scope of an enterprise has a direct impact on its currency risk exposure.Enterprises with a wide range of international business operations are more exposed to currency risk.If an enterprise has subsidiaries, branches, or business partners in multiple countries, it will deal with multiple currencies in its daily operations, including revenues, costs, and assets denominated in different currencies.

For example, a global consumer goods company that has production facilities in Southeast Asia, sales networks in Europe and the United States, and purchases raw materials from various parts of the world will face complex currency risks.Fluctuations in the exchange rates of the local currencies of these regions can affect its production costs, sales revenues, and profit margins.In contrast, an enterprise that mainly focuses on the domestic market has relatively less currency risk, as most of its business activities are conducted in the domestic currency.

3.2. Financial structure

The financial structure of an enterprise, especially its debt structure, also affects currency risk.If an enterprise has a large amount of foreign-currency-denominated debt, it is highly exposed to currency risk.When the domestic currency depreciates against the currency in which the debt is denominated, the enterprise's debt burden will increase in domestic currency terms.

For instance, a South Korean company that has borrowed a large amount of U.S.dollars for expansion.If the South Korean won depreciates against the U.S.dollar, the company will need to use more won to repay the same amount of dollar-denominated debt, which may put a heavy financial burden on the company and even lead to financial distress.On the other hand, if an enterprise has a more balanced financial structure with a reasonable proportion of domestic-and foreign-currency-denominated debts and assets, it can better hedge against currency risk.

3.3. Risk Management capabilities

An enterprise's risk management capabilities are crucial in dealing with currency risk.Enterprises with strong risk management capabilities can identify, measure, and manage currency risk more effectively.They can use various financial instruments such as forward contracts, futures contracts, options, and swaps to hedge against currency fluctuations.

For example, a well-managed multinational company may enter into forward contracts to fix the exchange rate for future foreign-currency-denominated transactions.This can lock in the cost or revenue in domestic currency terms and reduce the uncertainty caused by currency fluctuations.In contrast, an enterprise with weak risk management capabilities may not be aware of the potential currency risk in a timely manner or may not know how to use appropriate risk-hedging tools, resulting in greater exposure to currency risk and potential losses.

4. Global political and policy-related factors influencing corporate currency risk

4.1. Global political situations

Global political situations have a significant impact on currency risk.Political stability is an important factor affecting a country's currency value.A country with political unrest, such as civil unrest, regime changes, or international conflicts, will cause investors to lose confidence, leading to capital outflows.As a result, the domestic currency will depreciate.

For example, during the period of political turmoil in some Middle Eastern countries, such as the Arab Spring, there was a large-scale outflow of foreign capital.The local currencies of these countries depreciated sharply, and enterprises in these regions faced huge currency risks.In addition, international political relations, such as trade disputes and sanctions, can also affect currency values.For instance, the trade disputes between the United States and China in recent years have not only affected bilateral trade but also led to fluctuations in the exchange rates of the U.S.dollar and the Chinese yuan, increasing the currency risk for enterprises in both countries.

4.2. Trade policies

Trade policies, including tariffs, quotas, and trade agreements, can also influence corporate currency risk. Tariffs and quotas can directly affect a country's import and export volumes, which in turn affect the supply and demand of currencies in the foreign exchange market.When a country imposes high tariffs on imported goods, the demand for foreign currencies used to purchase these goods will decrease, and the domestic currency may appreciate.

For example, when the United States imposed tariffs on Chinese goods, the demand for Chinese goods in the U.S.market decreased, and the demand for the Chinese yuan also declined to some extent.This led to depreciation pressure on the yuan, increasing the currency risk for Chinese export-oriented enterprises.On the other hand, free trade agreements can promote trade liberalization, increase the volume of international trade, and affect the exchange rate through changes in the supply and demand of currencies.

4.3. Regulatory environments

The regulatory environment related to foreign exchange management also has an impact on corporate currency risk.Different countries have different foreign exchange management policies.Some countries have strict foreign exchange controls, which limit the free flow of capital and the convertibility of currencies.This can affect an enterprise's ability to manage currency risk.

For example, in some emerging economies, strict foreign exchange controls may make it difficult for enterprises to use international financial markets to hedge against currency risk.Enterprises may not be able to freely convert domestic currency into foreign currency or enter into foreign exchange hedging contracts, increasing their exposure to currency risk.In contrast, countries with more liberal foreign exchange regulatory environments provide more flexibility for enterprises to manage currency risk.

5. Case studies

5.1. Case of company A

Company A is a large-scale multinational manufacturing company based in Europe.It has production plants in several Asian countries, sources raw materials from around the world, and sells its products globally.Due to the wide geographical distribution of its business, the company is exposed to multiple currency risks.

In recent years, with the fluctuations in the euro-dollar exchange rate, the company has faced significant challenges.When the euro appreciated against the U.S.dollar, its U.S.-denominated revenues decreased when converted into euros, affecting its overall profit.In addition, the company also has a certain amount of Asian-currency-denominated debts.Fluctuations in the exchange rates of Asian currencies against the euro have also increased its debt repayment burden.

To manage currency risk, Company A has established a professional risk management team.The team closely monitors exchange rate movements and uses a variety of financial instruments for hedging.It enters into forward contracts to fix the exchange rate for future sales and purchase transactions denominated in foreign currencies.Through these measures, the company has been able to reduce the impact of currency fluctuations to a certain extent, but it still needs to continuously improve its risk management strategies in the face of the complex international economic environment.

5.2. Case of company B

Company B is a medium-sized export-oriented enterprise in a developing country.The company mainly exports agricultural products to developed countries.Most of its export revenues are denominated in U.S.dollars, while its production costs are mainly in the domestic currency.

In recent years, due to the depreciation of the domestic currency against the U.S.dollar, the company has faced a dilemma.On the one hand, the depreciation of the domestic currency has increased its production costs in terms of U.S.dollars, reducing its profit margin.On the other hand, the company lacks the knowledge and resources to effectively manage currency risk.It has not used any financial hedging tools and has not adjusted its pricing strategy in a timely manner.As a result, the company's profitability has been severely affected, and it has even faced the risk of bankruptcy.

6. Strategies for managing corporate currency risk

6.1. Diversification strategies

Enterprises can adopt diversification strategies to reduce currency risk.In terms of business scope, enterprises can expand their business to different regions and countries, reducing their dependence on a single market and currency.By diversifying sales regions and sources of raw materials, enterprises can balance the impact of currency fluctuations in different regions.

In terms of financial structure, enterprises can diversify their debt and asset currencies.For example, instead of relying solely on a single foreign currency for borrowing, an enterprise can borrow in multiple currencies. This can reduce the impact of a single currency's depreciation on the enterprise's debt burden.

6.2. Use of financial derivatives

Financial derivatives are important tools for enterprises to manage currency risk.Forward contracts are one of the most commonly used instruments.Enterprises can enter into forward contracts to lock in the exchange rate for future foreign-currency-denominated transactions, thereby eliminating the uncertainty caused by currency fluctuations.

Futures contracts, options, and swaps also provide different ways for enterprises to hedge against currency risk.For example, options give enterprises the right, but not the obligation, to buy or sell a certain amount of foreign currency at a predetermined exchange rate within a certain period.This provides more flexibility for enterprises to manage currency risk compared to forward contracts.

6.3. Operational strategies

Enterprises can also adopt operational strategies to manage currency risk.They can adjust their pricing strategies according to exchange rate fluctuations.For example, when the domestic currency depreciates, enterprises can increase the prices of their export products denominated in foreign currencies to maintain their profit margins.

In addition, enterprises can try to localize their production and sales as much as possible.By setting up production plants in the markets where they sell products, enterprises can use local currencies for production and sales, reducing the impact of currency conversion.

7. Conclusion

Corporate currency risk is affected by a variety of factors, including macroeconomic factors, enterprise-specific factors, global political and policy-related factors.Macroeconomic factors such as interest rate differentials, inflation rates, and economic growth have a fundamental impact on currency values and, consequently, on corporate currency risk.Enterprise-specific factors, including business scope, financial structure, and risk management capabilities, determine an enterprise's exposure to and ability to deal with currency risk.Global political situations, trade policies, and regulatory environments also play important roles in influencing currency risk.

Through case studies, we can see that different enterprises face different currency risks, and their responses and management effects also vary.To effectively manage currency risk, enterprises should comprehensively consider various influencing factors, adopt a combination of diversification strategies, the use of financial derivatives, and operational strategies.In the future, with the continuous development of the global economy and the increasing complexity of the international financial environment, enterprises need to continuously improve their understanding and management of currency risk to enhance their competitiveness and sustainable development capabilities in the international market.

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References

[1] The effectiveness of foreign debt in hedging exchange rate exposure: Multinational enterprises vs.exporting firms[J].Kim Soon Sung;Chung Jaiho;Hwang Joon Ho;Pyun Ju Hyun.Pacific-Basin Finance Journal.2020

[2] Effects of foreign currency debt on investment of the firms in emerging economy[J].Ashis Kumar Pradhan;Gourishankar S.Hiremath.International Journal of Finance&Economics.2020

[3] The effects of financial and operational hedging on company value: The case of Malaysian multinationals[J]. Azadeh Hadian;;Cahit Adaoglu.Journal of Asian Economics.2020

[4] The time-varying diversifiability of corporate foreign exchange exposure[J].Alain A.Krapl.Journal of Corporate Finance.2019

[5] Does foreign currency-denominated debt affect dividend payout policy?Evidence from Korea[J].Young Mok Choi;;Kunsu Park.Journal of Multinational Financial Management.2019

[6] Corporate risk management practices and firm value in an emerging market: a mixed methods approach[J]. Gamze Ozturk Danisman;;Pelin Demirel.Risk Management, 2019(1)