



GRADUATION THESIS INTERNATIONAL BUSINESS

ANALYSIS OF FACTORS INFLUENCING THE SELECTION OF INTERNATIONAL PAYMENT METHODS IN IMPORT AND EXPORT COMPANIES IN VIETNAM

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1.1 BACKGROUND

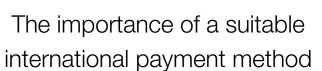


Comprehensive integration into the global economy

The strong development of the import-export industry







The topic: Analysis of factors influencing the selection of international payment methods in import and export companies in Vietnam

1.2 RESEARCH SCOPE & METHOD



- Import-export firms in Vietnam
- The secondary data is collected from 2016 to 2021
- Four main IP methods:
- ✓ Cash in advance (CIA)
- ✓ Open account (OA)
- ✓ Documentary collection (DC)
- ✓ Letter of credit (L/C)



 Both quantitative and qualitative methods are applied

1.3 RESEARCH OBJECTIVES

01

Determine the theories of IP in import-export activities

02

Overview the situation of the IP activities in import-export activities in Vietnam from 2016 to now

03

Identify and evaluate the factors impacting on the selection of IP methods in import-export companies in Vietnam

04

Propose some feasible recommendations to address with existing limitations

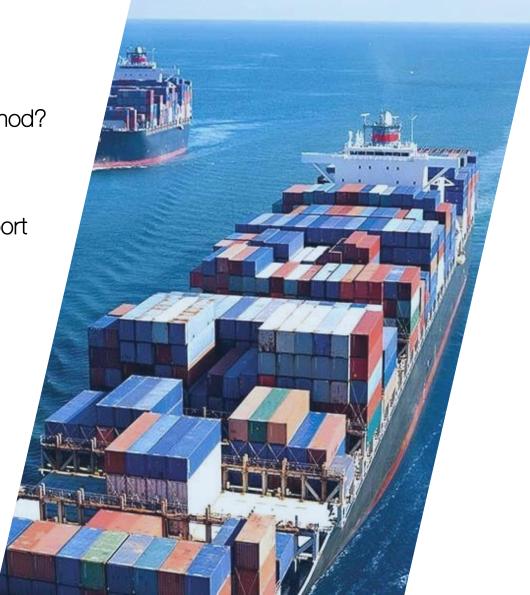
1.4 RESEARCH QUESTION

What is IP and characteristics for each payment method?

What is the situation of using IP for import and export activities in Vietnam from 2016 to now?

Which factors influence the decision to select payment method?

What are appropriate recommendations for import - export enterprises?



O2. LITERATURE REVIEW



General theories of international payment

The importance of choosing the suitable payment method

2.3 Key recent studies

2.4 Gaps in literature review

2.1 GENERAL THEORIES OF INTERNATIONAL PAYMENT

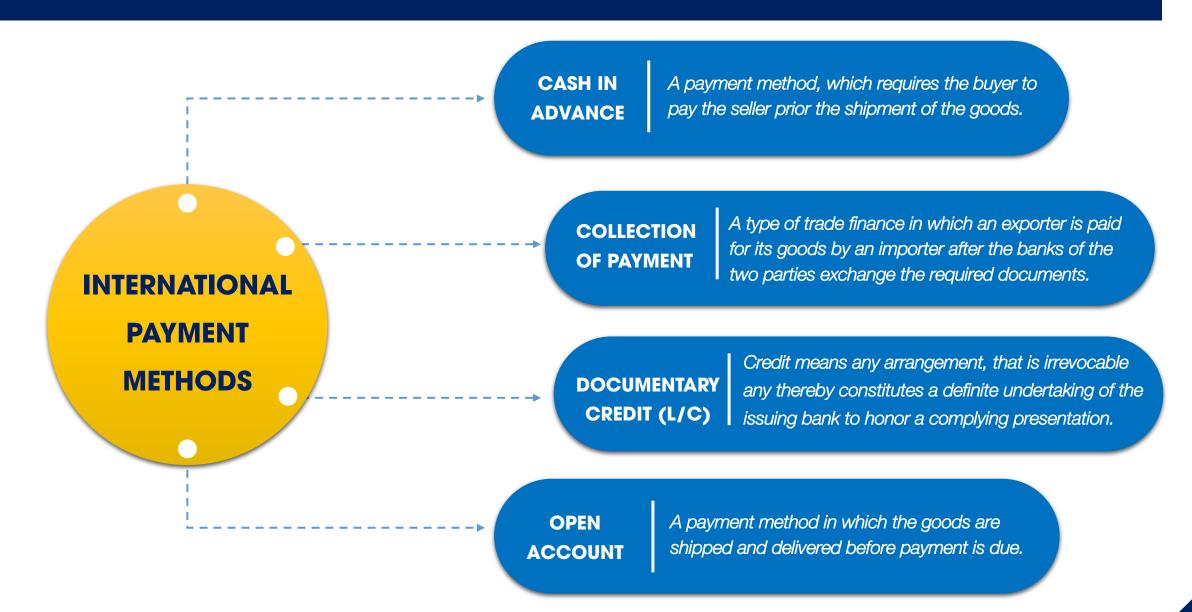
INTERNATIONAL PAYMENT

"International payment is the implementation of the obligations to pay and rights to receive monetary benefits arising on the basis of economic and non-economic activities between the organizations and individuals of this nations and ones of the other nations, or between a nation and an international organizations, through the relationship between the banks of the nations concerned."

Edward G. Hinkelman (2008)



2.1 GENERAL THEORIES OF INTERNATIONAL PAYMENT



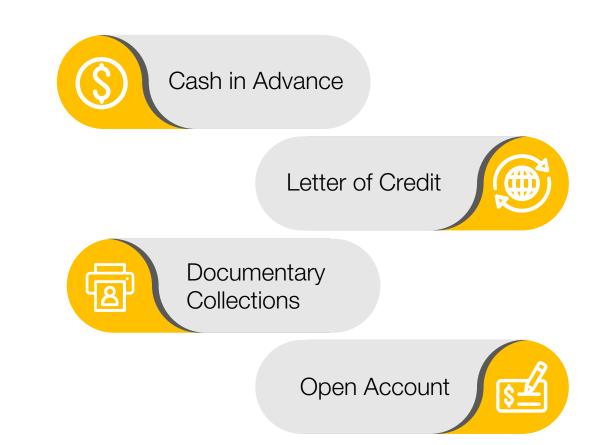
2.1 GENERAL THEORIES OF INTERNATIONAL PAYMENT

INTERNATIONAL PAYMENT METHODS



Importer's uncertainty increases

METHODS OF PAYMENT



Exporter's uncertainty increases



2.2 THE IMPORTANCE OF CHOOSING THE SUITABLE PAYMENT METHOD



Promote international trade and import-export operations

Minimize trading risks when choosing the right method





Reduce company's costs

Warrant the interests of exporters and importers



2.3 KEY RECENT STUDIES

RESEARCH	FOREIGN	DOMESTICS		
Authors	Petersen (2009) Becker (2014) Delaney (2019) Candemir et al. (2011)	Duyen (2015) Chau (2018) Anh (2020) Thuy (2014)		
Methods	Mostly qualitative method			
Influencing Factors	Relationship between importers and exporters Delivery time Characteristics of the customer market Characteristics of the goods Characteristics of each payment method Responsibilities and obligations of the bank Stability of the currency			

2.4 GAPS IN LITERATURE REVIEW

Very few research combine both evaluation of the influencing factors and recommendations for businesses



Some research scope concentrated on a city or a specific place

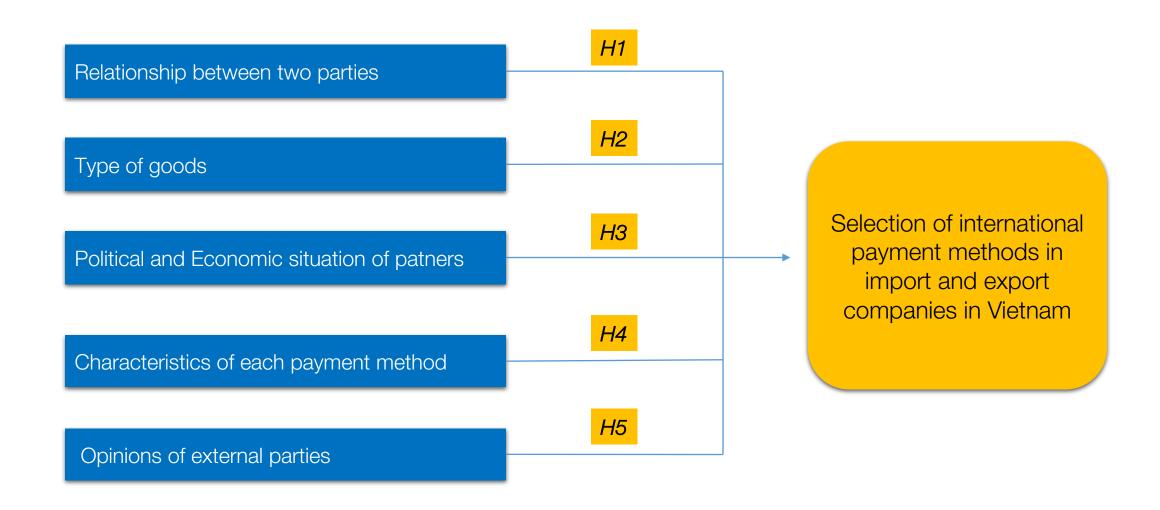


Almost previous research about choose IP method based on qualitative method, but not conducted quantitative method





2.5 PROPOSED RESEARCH MODEL



O3. METHODOLOGY



3.1 Introduction

3.2 Data sources

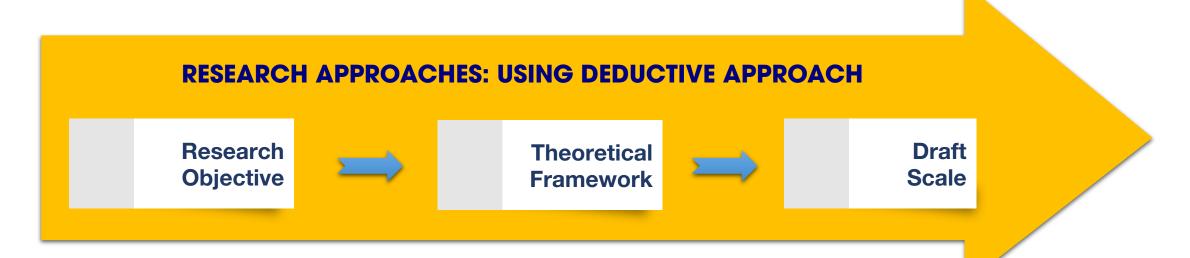
Data collection methods

3.4 Data analysis methods

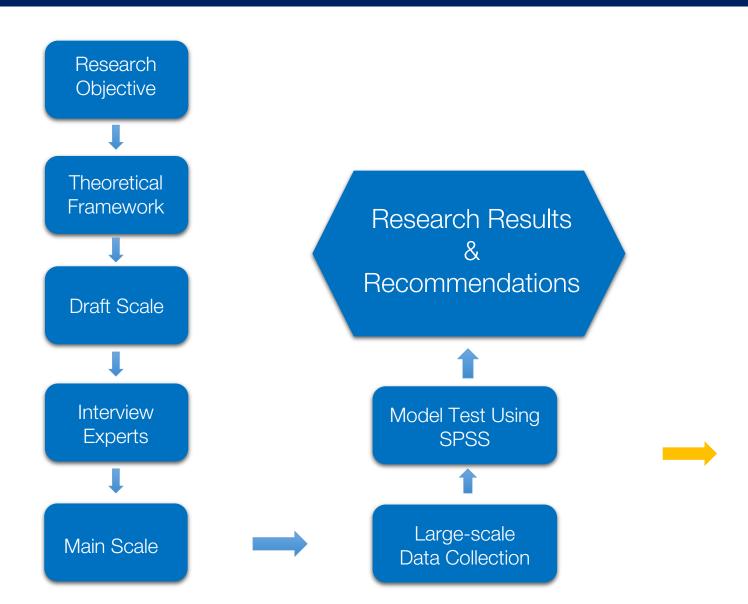
3.1 INTRODUCTION







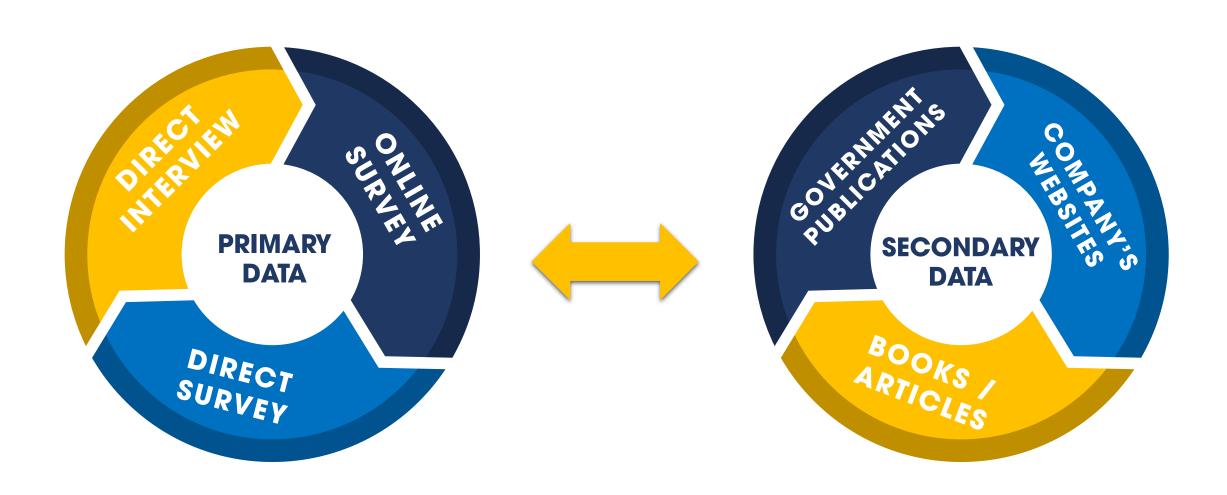
3.1 INTRODUCTION



RESEARCH PROCESS

- ✓ Cronbach Alpha test
- ✓ Exploratory Factor Analysis (EFA)
- ✓ Pearson correlation analysis
- ✓ Multivariate regression analysis

3.2 DATA SOURCES





PRELIMINARY RESEARCH

1

THE EXPERT METHOD

- Interviewing 11 experts in the field of IP
- > To create and adjust draft scales
- Most of the experts agree on the form and content of the questions.
- Suggested editing and adding some observed variables to make the scale more complete



PRELIMINARY RESEARCH

2

IN-DEPTH INTERVIEW METHOD

- Interviewing 15 people working in importexport departments of companies
- Adjust the content of the scale before putting it into the large-scale survey
- > Agreed in terms of form and content
- Corrected wording to make scale more clear

DESIGN QUESTIONAIRE





Assessment of import-export enterprises on factors affecting the decision to choose IP methods according to 5 independent factors and 1 dependent factor



Information about interviewees and general of the business



Personal recommendations



DATA COLLECTING



FOR DIRECT SURVEYS

- ✓ Survey conducted in major cities of the North
- ✓ The questionnaire is printed on A4 white paper.
- ✓ Time: from the beginning of June to the end of July.

FOR ONLINE SURVEYS

- ✓ Information of import-export enterprises from groups and website
- ✓ Online survey created by Google Forms.
- ✓ Time: June and July 2021.



3.4 DATA ANALYSIS



Descriptive analysis is the analysis of data collected between valid or non-valid answers through the mean, percentage, mode and variance of variables



Cronbach's Alpha	Internal consistency
α ≥ 0.98	Excellent
$0.9 > \alpha \ge 0.8$	Good
$0.8 > \alpha \ge 0.7$	Acceptable
$0.7 > \alpha \ge 0.6$	Questionable
$0.6 > \alpha \ge 0.5$	Poor
0.5 > α	Unacceptable

3.4 DATA ANALYSIS

EXPLORATORY FACTOR AND CORRELATION ANALYSIS

1

EXPLORATORY FACTOR ANALYSIS

- ✓ KMO coefficient must be in the range from 0.5 to 1
- ✓ Barlett test has sig must be less than 0.05
- ✓ Eigenvalue is greater than or equal to 1
- ✓ Total variance extracted is greater than or equal to 50%

2

CORRELATION ANALYSIS

- ✓ r < 0: Negative correlation between the two variables</p>
- ✓ r > 0: Positive correlation between the two variables
- \checkmark r = 0: No correlation
- \checkmark r = \pm 1: Absolute relationship

3.4 DATA ANALYSIS

REGRESSION ANALYSIS

1

DEPENDENT FACTOR

✓ The decision to use the enterprise's payment method (DE) 2

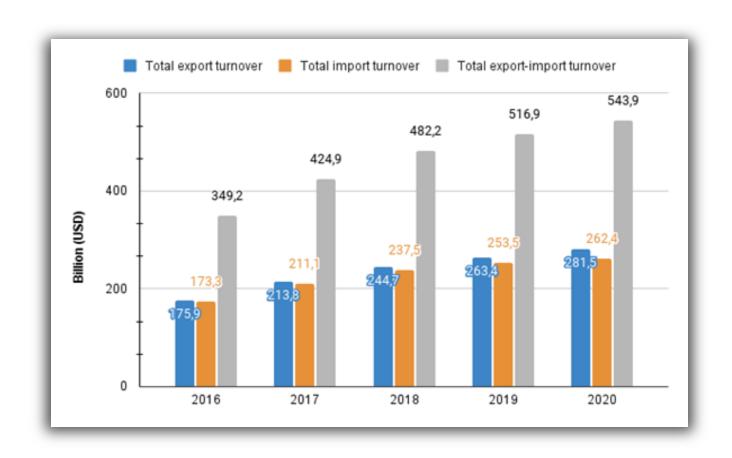
INDEPENDENT FACTOR

- ✓ Relationship factor (RE)
- ✓ Type of goods factor (GO)
- ✓ Political economic situation factor (MA)
- ✓ Characteristics of payment method factor (PA)
- ✓ Opinions and requirement of external parties (EX)

O4. FINDINGS & ANALYSIS

- Overview of IP activities in Vietnam (2016 2021)
- 4.2 Survey analysis
- 4.3 Findings and Limitations







Vietnam import and export turnover 2016-2020 (Source: General Department of Customs)

4.1.1 OVERVIEW OF IMPORT – EXPORT OF VIETNAM FROM 2016 UP TO NOW



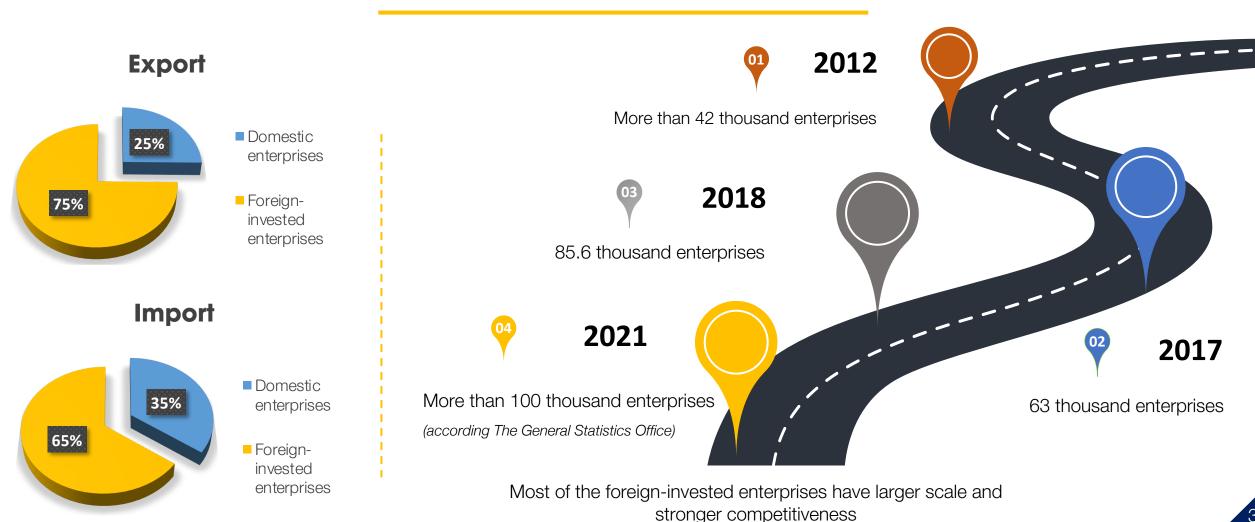
Market	Export			Import		
	Value (billion USD)	Compared to the same period in 2020 (%)	Proportion (%)	Value (billion USD)	Compared to the same period in 2020 (%)	Proportion (%)
ASIA	75.31	22.2	47.6	129.94	39.8	81.6
ASEAN	13.90	28.2	8.8	21.20	50.5	13.3
China	24.49	24.8	15.5	52.92	52.2	33.2
Korea	10.32	13.3	6.5	25.37	21.9	15.9
Japan	10.06	8.2	6.4	10.68	13.2	6.7
Americas	53.88	45.6	34.0	12.34	17.0	7.7
USA	45.58	44.7	28.8	7.63	9.0	4.8
Europe	24.82	20.1	15.7	10.77	17.3	6.8
- EU(27)	19.38	18.2	12.2	8.25	18.6	5.2
Oceana	2.59	27.7	1.6	4.04	53.5	2.5
Africa	1.74	20.0	1.1	2.24	40.0	1.4
Total	158.34	29.0	100.0	159.33	36.3	100.0



Import and export value by continent, country block and some major markets 6 months of 2021

(Source: General Department of Customs)

4.1.2 NUMBER AND SIZE OF ENTERPRISES AT THE IMPORT-EXPORT IN VIETNAM



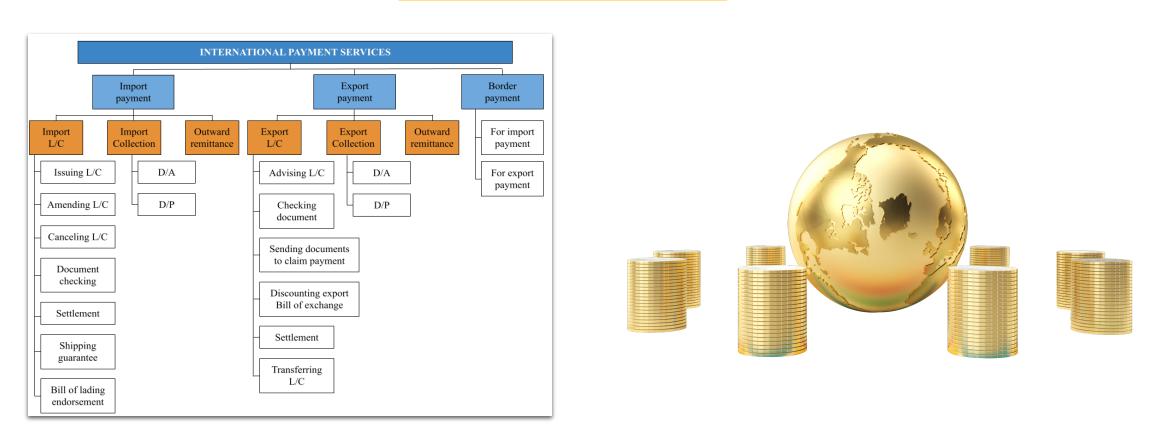
4.1.3 THE ROLE AND DEVELOPMENT OF BANKS







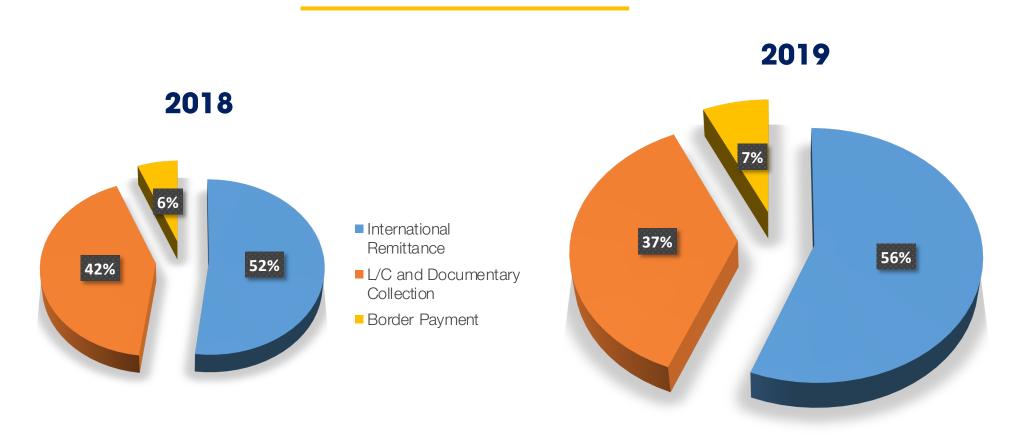
4.1.3 THE ROLE AND DEVELOPMENT OF BANKS



Bank's international payment services

(Aggregated from some Vietnamese commercial banks)

4.1.4 THE SITUATION OF USING PAYMENT METHODS BY IMPORT-EXPORT ENTERPRISES IN VIETNAM



BIDV's proportion of payment methods in 2018 & 2019

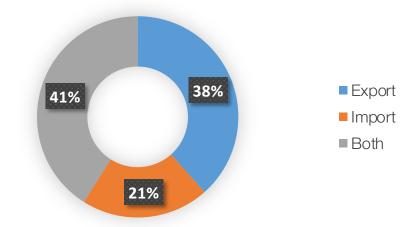
(Source: BIDV Trade Finance and International Remittance report)

4.2 SURVEY ANALYSIS

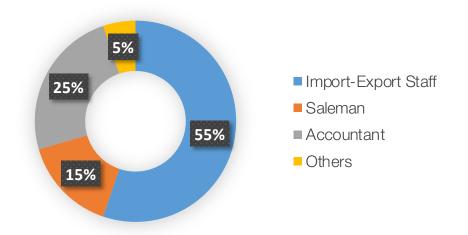
RESPONDENT PROFILE

Question sent	350
Response received	290
Valid response	268

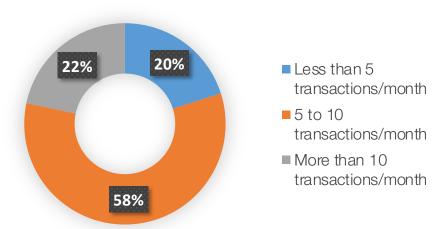
Enterprises Operating



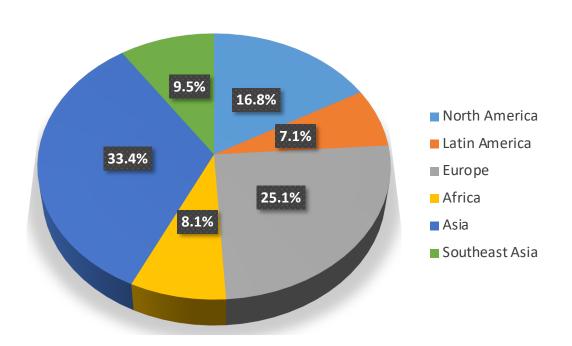
RESPONDENTS POSITIONS

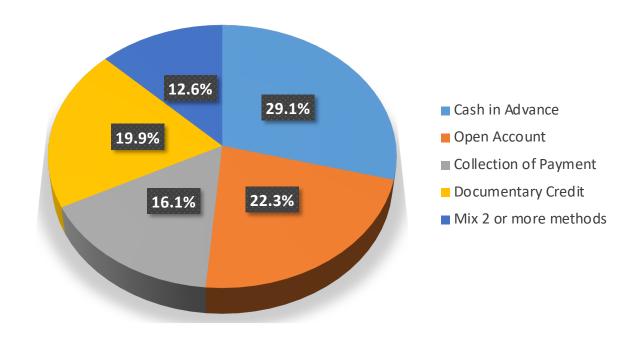


Transaction frequency



RESPONDENT PROFILE





Export/import markets of enterprises

Frequently used IP methods

DESCRIPTIVE ANALYSIS

	MEAN
RE1	3.92
RE2	4.01
RE3	3.16
RE4	4.16
RE5	3.79
GO1	3.96
GO2	3.74
GO3	2.73
GO4	4.09
GO5	3.77
MA1	3.81
MA2	4.04
MA3	3.21
MA4	3.89

	MEAN
PA1	3.09
PA2	3.87
PA3	3.75
PA4	3.75
EX1	3.57
EX2	2.57
EX3	3.97
EX4	3.87
DE1	4.13
DE2	4.28
DE3	4.00





THE RELATIONSHIP BETWEEN THE TWO PARTIES			
CRONBACH'S ALPHA	N OF ITEMS		
.820	5		

THE TYPE OF GOODS			
CRONBACH'S ALPHA	N OF ITEMS		
.810	5		

THE POLITICAL AND ECONOMIC SITUATION OF PARTNER				
CRONBACH'S ALPHA	N OF ITEMS			
.815	4			

CHARACTERISTICS OF EACH PAYMENT METHOD			
CRONBACH'S ALPHA	N OF ITEMS		
.806	4		

THE OPINIONS AND REQUIREMENTS OF EXTERNAL PARTIES			
CRONBACH'S ALPHA	N OF ITEMS		
.820	4		

THE DECISION TO USE THE ENTERPRISE'S PAYMENT METHOD			
CRONBACH'S ALPHA	N OF ITEMS		
.808	3		

KMO AND BARTLETT'S TEST						
Kaiser-Meyer-0	Kaiser-Meyer-Olkin Measure of Sampling Adequacy810					
Bartlett's Test	of Sphericit	у			Sig.	.000
Initial Eigenvalues Extraction Su Loadings				on Sums of Sq	uared	
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	5.653	25.696	25.696	5.653	25.696	25.696
2	2.762	12.557	38.253	2.762	12.557	38.253
3	2.150	9.771	48.024	2.150	9.771	48.024
4	1.984	9.016	57.040	1.984	9.016	57.040
5	1.531	6.959	63.999	1.531	6.959	63.999
6	.817	3.713	67.712			
7	.741	3.369	71.081			

Exploratory factor analysis

	COMPONENT				
	1	2	3	4	5
RE4	.814				
RE5	.797				
RE3	.792				
RE1	.723				
RE2	.682				
GO3		.769			
GO4		.745			
GO2		.742			
GO1		.700			
GO5	.631	.635			
PA4			.854		
PA2			.774		
PA1			.763		
PA3			.742		
EX2				.805	
EX1				.799	
EX4				.776	
EX3				.764	
MA4					.807
MA2					.780
MA3					.741
MA1					.740

THE SECOND RELIABILITY ANALYSIS

Type of goods factor

RELIABILITY ANALYSIS				
CRONBACH'S ALPHA N OF ITEMS				
.754	4			



ITEM-TOTAL STATISTICS					
	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Cronbach's Alpha if Item Deleted	
GO1	10.56	4.195	.549	.712	
GO2	10.78	3.311	.570	.688	
GO3	11.79	3.003	.591	.683	
GO4	10.43	3.849	.550	.700	

KMO AND BARTLETT'S TEST											
Kaiser-Meyer-	Kaiser-Meyer-Olkin Measure of Sampling Adequacy817										
Bartlett's Test	.000										
	Initial E	igenvalues	Extraction Loading:		of Squared						
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %					
1	5.187	24.699	24.699	5.187	24.699	24.699					
2	2.588	12.324	37.022	2.588	12.324	37.022					
3	2.106	10.031	47.053	2.106	10.031	47.053					
4	1.936	9.221	56.274	1.936	9.221	56.274					
5	1.493	7.110	63.384	1.493	7.110	63.384					
6	.791	3.765	67.149								
7	.726	3.456	70.605								

The second exploratory factor analysis

	COMPONENT							
	1	2	3	4	5			
RE4	.827							
RE5	.787							
RE3	.784							
RE1	.744							
RE2	.677							
PA4		.852						
PA2		.774						
PA1		.768						
PA3		.739						
EX2			.805					
EX1			.799					
EX4			.776					
EX3			.765					
MA4				.812				
MA2				.776				
MA3				.745				
MA1				.739				
GO3					.758			
GO2					.750			
GO4					.738			
GO1					.737			

EXPLORATORY FACTORS FOR DEPENDENT VARIABLES

	KMO AND BARTLETT'S TEST										
Kaiser-Meyer-	Kaiser-Meyer-Olkin Measure of Sampling Adequacy711										
Bartlett's Test	Bartlett's Test of Sphericity Sig.										
	Initial Ei	genvalues		Extraction	n Sums of Squar	ed Loadings					
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %					
1	2.185	72.833	72.833	2.185	72.833	72.833					
2	.451	15.030	87.863								
3	.364	12.137	100.000								

	Component
	1
DE1	.873
DE3	.844
DE2	.842



CORRELATION ANALYSIS



			CORRELATI	ONS			
		DE	RE	GO	MA	PA	EX
	Pearson Correlation	1	.500**	.467**	.561**	.499**	.371**
DE	Sig. (2-tailed)		<.001	<.001	<.001	<.001	<.001
	N	268	268	268	268	268	268
	Pearson Correlation	.500**	1	.214**	.196**	.244**	.135*
RE	Sig. (2-tailed)	<.001		<.001	.001	<.001	.027
	N	268	268	268	268	268	268
	Pearson Correlation	.467**	.214**	1	.356**	.237**	.156*
GO	Sig. (2-tailed)	<.001	<.001		<.001	<.001	.010
	N	268	268	268	268	268	268
	Pearson Correlation	.561**	.196**	.356**	1	.316**	.333**
MA	Sig. (2-tailed)	<.001	.001	<.001		<.001	<.001
	N	268	268	268	268	268	268
	Pearson Correlation	.499**	.244**	.237**	.316**	1	.221**
PA	Sig. (2-tailed)	<.001	<.001	<.001	<.001		<.001
	N	268	268	268	268	268	268
	Pearson Correlation	.371**	.135*	.156*	.333**	.221**	1
EX	Sig. (2-tailed)	<.001	.027	.010	<.001	<.001	
	N	268	268	268	268	268	268

	Model Summary ^b								
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson				
1	.775ª	.601	.593	.37460	2.124				

a. Predictors: (Constant), EX, RE, GO, PA, MA

b. Dependent Variable: DE

			ANOVAa			
	Model	Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	55.309	5	11.062	78.831	<.001b

a. Dependent Variable: DE

b. Predictors: (Constant), EX, RE, GO, PA, MA

	Coefficients ^a								
Model		Unstandardized Coefficients		Standardized Coefficients	t	t Sig.	Collinearity Statistics		
		В	Std. Error	Beta			Tolerance	VIF	
	(Constant)	088	.219		403	.687			
	RE	.316	.041	.317	7.739	<.001	.906	1.104	
4	GO	.206	.041	.213	5.012	<.001	.841	1.189	
1	MA	.268	.040	.299	6.653	<.001	.755	1.324	
	PA	.226	.039	.245	5.763	<.001	.843	1.186	
	EX	.130	.039	.141	3.368	<.001	.871	1.147	
а. С	EX .130 .039 .141 3.368 <.001 .871 a. Dependent Variable: DE								

REGRESSION

REGRESSION EQUATION:

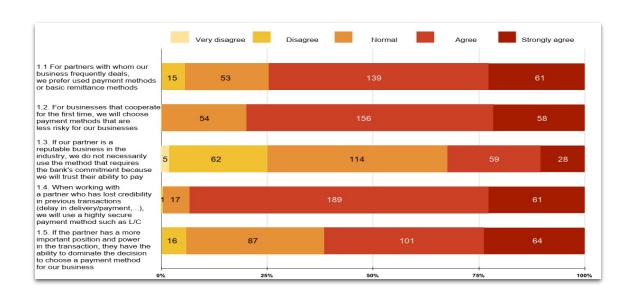
DE = 0.317*RE+0.299*MA+0.245*PA+0.213*GO+0.141*EX

IMPACT LEVEL:

Factors impact on service quality in the following order: RE, MA, PA, GO, EX (with Beta equals 0.317, 0.299, 0.245, 0.213, 0.141 respectively).

THE RELATIONSHIP BETWEEN THE TWO PARTIES





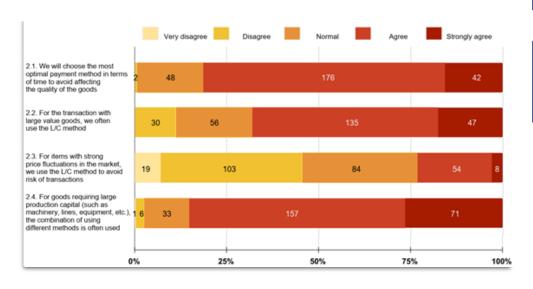


Enterprise often base on habits, transaction history to offer the most suitable international payment method for both parties

The Ministry of Industry and
Trade constantly warns about
export fraud, especially on
the internet in African
countries such as Nigeria,
Cameroon, Benin, Togo

Vietnamese enterprises wish to become a partner of large and famous enterprises in developed countries like the US and China

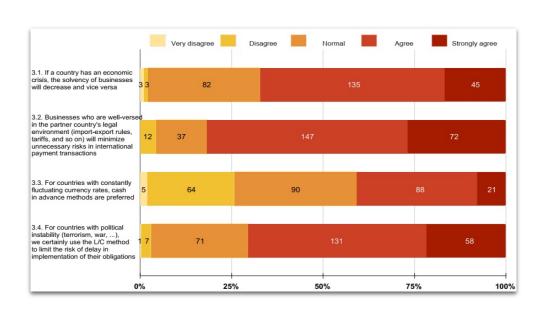
THE TYPE OF GOODS





- Depending on the type of import and export goods, businesses will choose different payment methods
 - Warning when exporting seafood to the Netherlands
- For goods with strong fluctuations in prices on the market, exporters should use L/C
 - Export beef to Algeria
- Combine multiple methods when the goods are complicated

THE POLITICAL AND ECONOMIC SITUATION OF PARTNER



01

Vietnam ranks 64th out of 163 countries in the ranking of the safest countries in the world.

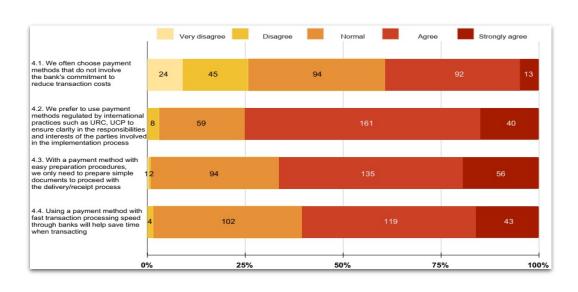
02

The Ministry of Industry and Trade issued a warning to businesses trading in Nigeria (2017); Turkey (2019)

03

The Integrated World Newspaper (2016) "When the USD exchange rate increases, it will be beneficial for exporters and disadvantageous for goods importers when paying in USD."

CHARACTERISTICS OF EACH PAYMENT METHOD



01

Each different payment method will have different costs. The cost of opening L/C is very expensive and very complicated

02

Using payment methods regulated by international practical to ensure clarity in the responsibilities and interests of the parties involved

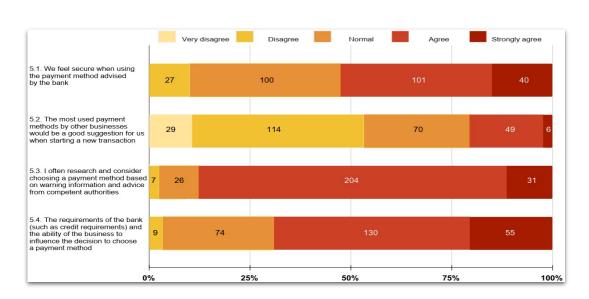
03

Process of some payment methods such as CIA and OA quite easy to understand

04

Processing time by L/C method usually takes longer than other methods

THE OPINIONS AND REQUIREMENTS OF EXTERNAL PARTIES



01

The Bank provides supporting services: Finalization of documents, L/C discount.... With a team of highly qualified staff

02

Businesses that pay by remittance are the most common (Agribank statistics)

03

Issuing banks will have limits and requirements that need to be met when businesses want to open L/C

IMITATIO

- Finding out information of businesses in new markets is difficult
- **02** The existence of large-scale fraudulent organizations
- International laws, regulations and practices, import-export policies... are different
- Understanding about the payment methods, still has certain limitations
 - O5 Accessing complex methods of SEMs faces many obstacles

O5. CONCLUSION & RECOMMENDATIONS



5.1 Summary Of Findings

5.2 Recommendations

Limitations And Suggestions For Further Research Limitations

5.4 Conclusion

5.1 SUMMARY OF FINDINGS



QUESTION

What is international payment?
What are the characteristics of the four main methods?

QUESTION

What is the situation of using international payment methods for import and export activities in Vietnam from 2016 to now?

5.1 SUMMARY OF FINDINGS



WHICH FACTORS INFLUENCE THE DECISION TO SELECT A PAYMENT METHOD AND EXTENT OF THEIR INFLUENCE?

The opinions and requirements of external parties (EX)



Characteristics of each payment method (PA)



Relationship between the two parties (RE)



The decision to use the enterprise's payment method (DE)



Type of goods (GO)



The political and economic situation of the partner (MA)

5.1 SUMMARY OF FINDINGS

QUESTION 4

WHAT ARE APPROPRIATE RECOMMENDATIONS FOR BUSINESSES TO MAKE DECISIONS ON SELECTING THE BEST METHOD OF INTERNATIONAL PAYMENT FOR IMPORT AND EXPORT ACTIVITIES TO ACHIEVE THE BEST RESULTS?



THOROUGHLY UNDERSTAND THE FOREIGN PARTNERS

02

Know the information and situation of the

partner:

- Assess and rank partners' credit and business risks
- Beware of overly attractive transactions



Beware of fraudulent organizations:

- Use official company email
- Direct contact with partners through phone or fax
- Contact a representative agency to verify the credibility of the partner



EXPLORE THE PARTNER'S MARKET





Create opportunities

to contact and learn

through trade

promotion activities



Learning about the economic and political environment:

- Beware when
 dealing with
 unstable politics
 countries
- Apply international law into the contract

UNDERSTANDING THE MANY TYPES OF IMPORT AND EXPORT COMMODITIES

Business need to understand the goods in transactions:

For perishable or seasonal goods



Capture information from warning authorities about goods:

- For petroleum: best to use L/C with Invoice, Bill of Lading, Letter of Indemnity, etc..
- Exporting seafoods to the EU/US (special clauses)







IMPROVE THE PROFESSIONAL LEVEL OF INTERNATIONAL PAYMENT FOR BUSINESSES

Open training courses on International Payments:

Some training courses of VCCI; Foreign Trade University, etc..

Reinforce

knowledge

of rules such as

UCP or URC

02

SOLUTIONS FROM BANKS AND GOVERNMENT

Solutions for international payment services of banks

- Apply transaction technology through electronic portals
- Offer trade finance products that combine with payment methods



Solutions for SMEs when using international payment methods

- Enterprises should actively:
- Seeking capital from investment funds, venture capital funds, financial institutions
 - Participating in business associations
- Commercial banks must modernize their systems proactively, utilize a processing automated system





5.3 LIMITATIONS AND SUGGESTIONS FOR FURTHER RESEARCH LIMITATIONS



5.4 CONCLUSION



Exploring the factors influence the decision to choose international payment methods of import and export enterprises in Vietnam

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Providing recommendations for business

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Being a reference document for future research

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THANKS!