

**THE RELATIONSHIP BETWEEN THE NEW MANAGEMENT
INFORMATION SYSTEM WITH THE ESTABLISHMENT OF
SUSTAINABLE SECURITY IN INFORMATION SYSTEMS
(CASE STUDY: WEST AZERBAIJAN PROVINCE ANSAR
BANK BRANCHES)**

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Abstract

The aim of this study was to investigate the relationship between the new management information system with the establishment of sustainable security in the information systems. The study population consisted of all employees and managers Ansar Bank, West Azerbaijan Province, which figures on the number of staff and branch managers in a geographic area with 26 branches and 30 were against. Due to the limited population, the total population sampled and has been involved in the research process. Data collection tool was a questionnaire, the questionnaire related to the independent variable, dependent variable was self-made and questionnaire developed by the researchers realized that this was a descriptive correlational study was conducted through a survey is sent. Cronbach's alpha test was used to confirm the validity of the questionnaire and the rate of 892/0 that the measuring instrument has good reliability. Variable dimensions, the new management information system, including setting system, office automation system, system Dashbvrt system Hafeez and the results showed a significant

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relationship between the independent variables with the dependent variable and all the variables in the new system information management with the establishment of sustainable security in bank branches Ansar West Azerbaijan Province, there is a significant relationship.

Key Words: New systems of information management, the establishment of sustainable security, jeweled system, automation system, system Hafeez, Dashboard system.

1. Introduction:

Continuous and growing trends and developments in various aspects of human social life and considerable progress deep and diverse arts and sciences, Changed the organizational structures from traditional forms to more complex and specialized structure provides. From this perspective, change in information systems and technology organizations ability of the organization to match the environment.

Today the right to manage the organization and making logical decisions by managers, information systems management is inevitable (sadagat and et al., 2009). Today, with the introduction of IT administration features and value of the information given in the name of business intelligence has become a necessity. The management information system should be your focus in addition to mechanization on decision support and business intelligence as well as design (Rahnamai Roodposhti and Mahmoudi, 2010).

Management information systems are a combination of human endeavor using the computer for collecting, storing, and marketing utilizes data communication systems, in order to better manage its activities (Hossienali pour and Shad mand, 2008).

So life is, especially on competition, more than anything else to depend on the information you need. The more complete and update this information, it is also more adaptable to the environment. Management information systems, data needed to be collected, processed and stored, and then retrieve information between the various layers, including managers, supervisors, middle managers and senior managers distributed (sadagat and et al., 2009). In developing countries lack basic information on various spheres and failure cause problems in

planning figures are qualitative and quantitative. Failure data to such an extent that the plan will be difficult with the simplest models. But the important thing in this regard is to connect information systems to organizational changes. Among the issues raised by only having this system can not solve all the problems. Security of information systems at this time can be leveraged as conditions change to benefit the organization. Talking and listening the benefits of information technology and facilities has brought to mankind is always enjoyable. But this technology, like other technologies, such as a coin has two faces. Opportunities and threats. Rating summary of how security issues in the years 1980 to 2003 shows that IT executives, today sees its security as one of the major issues. Information security and information systems is a critical issue that organizations around the world are facing today. Usually the definition of information security systems, three main principles of effective components as defined in information security, reliability, integrity and availability. The aim of this study was to investigate the relationship between the new management information system with the establishment of sustainable security in information systems in West Azerbaijan province is Ansar bank branches.

The study has been tried to identify a new management information systems, how to interact (upset) these systems with lasting security of information systems explained And more stable security check at various levels and the strategies to deal with the security threats to be expressed.

2 - specific research requirements

One of the new concepts in organizations, institutions and public and private companies, information technology and how to use it in order to accelerate the achievement of goals and the competitive aspect of the market that Owners and managers of various departments to encourage the use and development of their information systems technology. Thus, knowledge of how this process can be as part of the management information systems. Banks and other financial institutions at a rapid pace in the IT industry. Almost often automatically banking activities and many transactions electronically without exchanging cash or paper documentation done. Transactions, data storage, processing and transfer to electronic form using information systems and information technology systems are done. In addition, banks have to develop strategies and

make management decisions consistently relies on electronic information systems. In fact, manage virtually all aspects of banking activity is dependent on information technology. The bank information management systems in banks is one of the necessities of the moment. Describing the situation certainly security risks and threats associated with electronic capabilities through internal and external resources have increased. The new system seeks to solve the problem of low security manage their banking information. Because without security systems, has its own risks and the organization will suffer irreparable damage. The situation, especially in private banks is a high priority Ansar Bank is one of them. The need for management information systems in banks due to the development of sustainable security in electronic banking is one of the essential principles that It could be due to high social capital among bank staff and customers and is considered as a sustainable competitive advantage.

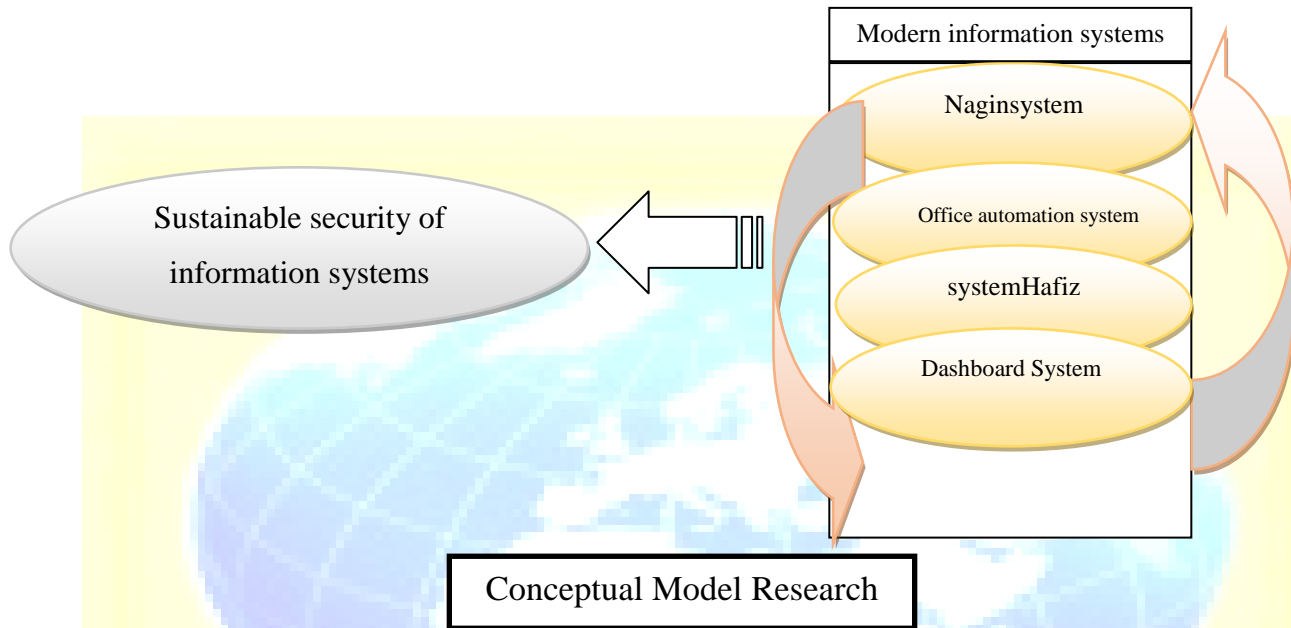
3- The main purpose
Investigate the relationship between modern information systems and the establishment of sustainable security in information systems Ansar bank branches in Western Azerbaijan province.

4. Secondary research purposes:
1 / 4- to investigate the relationship between the setting and the establishment of sustainable security in information systems.
2/4- investigate the relationship between automation systems and the establishment of sustainable security in information systems.
3/4- examine the relationship between Hafiz and the establishment of sustainable security in information systems.
4/4- explores the relationship Dashbvert financial system and the establishment of sustainable security in information systems.

5- Theoretical framework and Conceptual model:

In the present study, to review the new information management systems, because these systems focus on specific aspects of the questionnaire was used. It should be noted that these dimensions include: setting system, automation system, the system can be Hafeez and dashboard systems. As

well as to assess the establishment of sustainable security in information systems Kenneth questionnaire will be used. Based on the theoretical framework of the research, analytical models are as follows:



6. Research Hypothesis

1-6- The main hypothesis

Between new systems of information management and the establishment of sustainable security in information systems Ansar bank there is a significant relationship.

2-6- Subsidiary hypotheses

Hypothesis1:Teenagers between systems and the establishment of sustainable security in information systems, there is a significant relationship.

Hypothesis2:Between automation system and the establishment of sustainable security in information systems, there is a significant relationship.

Hypothesis3:Between Hafeez system and the establishment of sustainable security in information systems, there is a significant relationship.

Hypothesis4:The financial Dashbvrt system and the establishment of sustainable security in information systems, there is a significant relationship.

7. Literature research:**7-1- The definition of management information systems:**

Management Information Systems is a concept that in the two decades old information. Of course, the concept of a non-exhaustive existed since the birth of the first computer processor.

7-2- Nagin system:

The system includes accounting departments, office checks, planning, accounting and payroll is the cost to be used. The integration of the system with respect to carrying out any operation inside the application could be automatically issued a document and sign it. The first of its kind, saving manpower to perform repetitive operations, and its use has been Dygrsystem sectors. In addition to the above, this allows different parts of Sazdk-h internal controls are designed and created.

7-3- Office automation system:

Registration and circulation of sub-organizational and inter-organizational communications provider in different aspects. Also, the system according to its own characteristics, can be used as the core of comprehensive systems solutions and integrated systems to be used as desktop users.

7-4-Hafiz System:

The system features a collection, organization and documentation of operating data and corporate assets at every level of the organization provides. The system also help managers control and data security management planning, business assessment on the path to the targets set for providing internal and external stakeholders.

7-5- Dashboard System:

The dashboard is a tool to display information management functions in the organization, for those who need this information To the format that the viewer can quickly diagnose the performance of the system and manage it. Dashboard is a comprehensive solution for all

organizations to monitor the situation in various units including production, quality, office, sales, marketing.

7-6-IT security in organizations:

Ernst & Young global information security survey in 2003 shows that 90% of organizations believe their information security to achieve their overall goals is very important. 78% of organizations stated that the aim of trying to reduce information security hazards. These include 1,000 wealthy are a part of their resources to combat security issues were accounted for (Mir Damadi and Shojaei, 2005).

Basically, computer security is a set of technical solutions for non-technical issues. Computer effective security means protecting information. There are two basic principles in planning and policy effectiveness of their security implications.

Organizations are aware of the safety and security policy must be expanded from top to bottom. Concerns and awareness of security issues is important, but they can not be effective in the context of a culture of security and maintain it. Instead, the managers who need to look at security as an important issue and accept other people's rules and regulations and implement it as (Golavar Mohammadi and khaksar, 2011).

Security planning can be divided into five distinct stages:

- 1) planning to determine security needs
- 2) risk assessment and selection of best practices
- 3) Create policies to reflect the needs
- 4) implement security
- 5) evaluate and respond to events

8. Background research:

Abdi Salam salva and et al (2010) In his study of information systems in accordance with the Financial Strategy stated that To achieve policy objectives and to adopt appropriate strategies should be under the control of the management and Financial planning is a necessity for financial

performance. This study is a key traits to change the information system seems to be favorable financial conditions in Saudi Arabia. Sunil Matthias and et al (2011) In its review of how information management capabilities on firm performance impact to the conclusion that Information management capabilities play a crucial role in the development of other capacities and capabilities of the company such as customer management, process management, execution management plays. Reich and Ben Basat (1996) Align the mission, goals and programs studied information technology and business activity. Chang and et al (1997) The commercial and strategic orientation and strategic direction focused IS. Preston and et al (2009) IT alignment has been defined on the basis of compliance.

9. The method:

On the basis of goal as applied research and development based on survey research among working. Characteristic scrolling or logically structured collection of data and because the questionnaire is the simplest way to provide this matrix structured data (Iran-Nejad and et al., 2014). The aim of this study is to collect data from field study and library (the books, journals, dissertations, articles in Persian and English) is used. So the most important tool for collecting information in the research questionnaire.

10. Statistical Analysis:

In order to analyze the data collected in the framework of descriptive statistics to analyze the data description of the frequency and percentage of responses and column charts and Within the framework of inferential statistics to test hypotheses, tests of Kolmogorov-Smirnov test was used to that after normal and abnormal based on the data, according to data normality Pearson correlation test to evaluate the impact between the two variable is used. In the present study, the purpose of accuracy, speed and reliability of hypotheses testing, in all calculations and tests software spss is used.

The results of the data analysis hypotheses

The	Pearson	Assumptions related to variables	Row
	correlation		

0/319	The relationship between theNagin system and the establishment of sustainable security	1
0/401	The relationship between office automation system and the establishment of sustainable security	2
0/211	The relationship between the Hafiz system and the establishment of sustainable security	3
0/302	The relationship between the dashboard and the establishment of sustainable security system	4
0/496	The relationship between modern information systems and the establishment of sustainable security	5

11. Testing hypotheses:

Asmyrnf one-sample Kolmogorov-test to examine the normality of the variables was used. In the test, the null hypothesis suggests the opposite, assuming normal distribution of data and suggest that it is abnormal. According to the table, the values significance level of variables, was greater than 0/05 Therefore, assuming normal distribution of the variables approval and contrary to the assumption that the normal distribution of data was rejected. According to the normal distribution of data on the variables used in the analysis of the study parametric tests.

One-sample Kolmogorov-Smirnov test to determine the normality of the variables

Modern information systems	Naginsystem	Automation System	systemHafiz	System Dashboard	
130	130	130	130	130	N
0/611	0/620	1/22	1/54	1/09	k-s
0/941	0/594	0/082	0/082	0/110	Sig

According to normality, to explain and interpret variables, Pearson test (to determine the relationship between two variables) used and displayed with symbols r.

1-11- first hypothesis: Teenagers between theNagin system and the establishment of sustainable security in information systems, there is a significant relationship.

Pearson correlation test to determine jeweled system and the establishment of sustainable security

Naginsystem	Sustainable security		
0/319	1/00	Pearson correlation	sustainable security
0/000			
130	130		Significance level Number
1/00	0/319	Pearson correlation nagin system	
	0/000		Significance level
130	130		Number

According to the table above can be seen that the correlation coefficient (relationship) between the nagin system and the establishment of sustainable security is equal to 0.319 which represents the first research hypothesis is confirmed And there is a significant positive correlation between the two variables. According to the results jeweled system can establish. lasting security in information systems Ansar bank branches in Western Azerbaijan province to be effective.

2-11- second hypothesis: the office automation system and the establishment of sustainable security in information systems, there is a significant relationship.

Pearson's correlation test automation system and the establishment of sustainable security

Automation System	Sustainable security		
0/401	1/00	Pearson correlation	sustainable security
0/00			
130	130		Significance level

					Number
1/00	0/401	Pearson	correlation	automation	
	0/00			Significance level	
130	130				Number

According to the table above can be seen that the correlation coefficient (relationship) between the automation system and the establishment of sustainable security is equal to 0.401 which represents the first hypothesis is confirmed.

3-11- third hypothesis: the system maintain and establish sustainable security in information systems, there is a significant relationship.

Pearson's correlation test table Hafiz system and the establishment of sustainable security

Hafiz system	Sustainable security				
0/211	1/00	Pearson	correlation	sustainable security	
0/000				Significance level	
130	130				Number
1/00	0/211	Pearson correlation	Hafiz system		
	0/000			Significance level	
130	130				Number

According to the table above can be seen that the correlation coefficient (relationship) between the Hafiz system and the establishment of sustainable security is equal to 0.211 which represents the first hypothesis is confirmed.

4-11- fourth hypothesis: the dashboard system and the establishment of sustainable security in information systems, there is a significant relationship.

Pearson's correlation test system and the establishment of lasting security dashboard

dashboard system	Sustainable
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security					
0/302	1/00	Pearson	correlation	sustainable	
0/000				security	
130	130			Significance level	
				Number	
1/00	0/302	Pearson	correlation	dashboard	
	0/000			systemSignificance level	
130	130			Number	

According to the table above can be seen that the correlation coefficient (relationship) between the system and the establishment of lasting security equal to 0.302 Dashbvr that this situation represents a first hypothesis is confirmed.

5-11- main hypothesis: the modern information systems and the establishment of sustainable security in information systems, there is a significant relationship.

Pearson's correlation test of modern information systems and the establishment of sustainable security

Modern	information	Sustainable			
systems	systems	security			
0/496	1/00	Pearson	correlation	sustainable	
0/000				security	
130	130			Significance level	
				Number	
1/00	0/496	Pearson	modern	information	
	0/000		systems	Significance level	
130	130			Number	

The main hypothesis of the research that has focused attention onCorrelation with the level of 0.49 is 0.000 and With this level of less than one percent. There may be a relationship between independent variables and the dependent variable with probability was 99 percent. Finally, according to the results of modern information systems canThe establishment of sustainable

security in information systems Ansar bank branches in Western Azerbaijan province to be effective.

Summary of assumptions and statistical results

Result	Pearson correlation	Hypothesis	Number theory
Confirm	0/319	Teenagers between the Nagin system and the establishment of sustainable security in information systems, there is a significant relationship.	First
Confirm	0/401	the office automation system and the establishment of sustainable security in information systems, there is a significant relationship.	Second
Confirm	0/211	the system maintain and establish sustainable security in information systems, there is a significant relationship.	Third
Confirm	0/302	the dashboard system and the establishment of sustainable security in information systems, there is a significant relationship.	Fourth

12. Suggestions:

1-12- offers for the first hypothesis:

The results show that the relationship betweenNagin systems (personal and financial customer information system) and the establishment of sustainable security is desirable. It is proposed to raise the quality of this system, notification through newspapers and TV and radio do so Customers have become more aware of the existence of this system and building trust between them to be strengthened at a high level.

2-12- proposals for the second hypothesis:

The results of the analysis of office automation system (organizational and administrative processes through the application) shows that The relationship with the establishment of lasting security than other variables in the system are very high. Attempts to increase the speed, reliability, transparency and improving the health system in order to achieve the objectives of establishing this system and Also awareness to employees and customers in this regard that the system can As one strategy in processes related to information security function. Therefore, operational managers should consider the situation and show attention to it.

3.12 Proposals for the third hypothesis:

According to the results of the analysis of data in the Hafiz system (recording entry and exit and testing and staff training) suggests that The relationship between the system and the establishment of sustainable security is at a low level. Therefore, it is recommended that special attention to this system as an intelligent system control and monitoring of employees and their evaluation should be performed.

4-12- suggestions for fourth hypothesis:

According to the results of the analysis of financial Dashbvr system (financial information to senior managers) shows that The relationship between this system and the establishment of sustainable security is desirable. Therefore, it is suggested that managers use the financial information to be put at their disposal by the system, to make strategic decisions so As a result of the organization in the desired direction and guidance In the face of changes before they are flexible and adaptable. Control and track financial processes can be leveraged systems, such as conditions in order to achieve short-term goals and long-term help. Thus, senior management and operational attention to this system will be of paramount importance.

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