Impact of the digital BAPM on the operational efficiency and service management of the Pará Military Police.

Impact of BAPM digital on operational efficiency and management of services of the military police of Pará

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Summary

Public safety is one of the main challenges facing Brazilian public administration, which is marked by high rates of violence, the expansion of organized crime, and a sense of social insecurity.
In the state of Pará, the Military Police of Pará (PMPA) plays a fundamental role in visible and preventive policing, focusing on preserving public order and preventing criminal offenses. Historically, the recording of police activities was done using physical forms, which hindered information management and institutional strategic planning. Given these limitations, this study aims to analyze how the use of the Digital Military Police Service Report (BAPM Digital) and Information and Communication Technologies (ICTs), integrated into the Integrated Police Management System (SIGPOL), contributes to operational efficiency and improved information management in the PMPA of Pará. This is a mixed methodological research, qualitative and quantitative, of an exploratory and descriptive nature, based on bibliographic review and document analysis. The results indicate that the adoption of BAPM Digital and other ICTs promotes greater agility in operational records, optimizes the organization and sharing of information, and strengthens coordination among public security agencies. Despite the progress, challenges related to technological infrastructure, continuous professional development, and ethical and legal aspects persist. Therefore, the strategic adoption of ICTs, combined with effective public policies and ongoing training for security agents, enhances institutional integration and contributes to strengthening actions to combat organized crime in Pará.

Keywords: ICTs; public safety; BAPM Digital; operational efficiency; PMPA.

Abstract

Public safety is one of the main challenges facing Brazilian public administration, marked by high rates of violence, the expansion of organized crime, and a sense of social insecurity. In the state of Pará, the Military Police of Pará (PMPA) play a fundamental role in visible and preventive policing, focusing on preserving public order and preventing criminal offenses. Historically, the recording of police activities was done using physical forms, which hindered information management and institutional strategic planning. Given these limitations, this study aims to analyze how the use of the Digital Military Police Service Report (BAPM Digital) and Information and Communication Technologies (ICTs), integrated into the Integrated Police Management System (SIGPOL), contributes to operational efficiency and improved information management in the PMPA of Pará.

This is mixed methodological research, both qualitative and quantitative, of an exploratory and descriptive nature, based on a literature review and document analysis. The results indicate that the adoption of BAPM Digital and other ICTs promotes greater agility in operational records, optimizes the organization and sharing of information, and strengthens coordination among public security agencies. Despite the progress, challenges related to technological infrastructure, continuous professional training, and ethical and legal aspects persist. Therefore, the strategic adoption of ICTs, combined with effective public policies and ongoing training for security agents, enhances institutional integration and contributes to strengthening actions to combat organized crime in Pará.

Keywords: ICTs; public security; Digital BAPM; operational efficiency; PMPA.

1. Introduction

Public safety is one of the greatest challenges faced by the administration.

Brazilian public society, which is marked by high crime rates and increased violence.

urban sprawl and the expansion of criminal organizations. This scenario generates a constant feeling of

insecurity among citizens highlights the need to modernize management mechanisms.

and the implementation of public policies aimed at security. In this context, the adoption of technologies

Focused on the collection, processing, and sharing of information, these emerge as important alternatives.

to improve the efficiency of police actions and thereby strengthen the State's capacity in

To prevent and combat crime.

The State of Pará, characterized by its vast territorial extension and diversity

In socioeconomic terms, the Military Police of Pará (PMPA) plays an important central role in

Maintaining public order through visible and preventative policing.

Previously, police activity records were kept on physical forms, which limited...

The lack of agility in information management made strategic planning of operational actions difficult.

However, with technological advancements, PMPA began implementing computerized systems, such as

the Digital Military Police Service Bulletin (BAPM Digital), integrated into the Integrated System

Police Management System (SIGPOL), allowing for greater control, accuracy, and transparency in police records.

established occurrences.

The use of Information and Communication Technologies (ICTs), including digital systems of

registration, video surveillance, integrated databases, geolocation tools and

Real-time communication has become a major strategic tool for optimizing...

Police work and promote greater integration among public security institutions. These

Technologies enable more assertive operational planning and efficient allocation of resources.

resources and rapid response to incidents, which directly contributes to the

Strengthening governance and decision-making.

However, the adoption of Information and Communication Technologies (ICTs) represents a

a strategic opportunity for improving organizational processes, by promoting

modernization of infrastructure, continuous development of professional skills and

Strengthening ethical and legal mechanisms related to privacy protection and use.

Responsible for sensitive data. In this context, it becomes essential to understand how these...

Tools can be applied strategically and sustainably, ensuring their effectiveness and

contributing to institutional strengthening.

Thus, the present study aims to verify the impact of Technologies of

Information and Communication in the integration of public security in the State of Pará, with emphasis on the use

BAPM Digital by the Military Police. The aim is to understand how these are used.

Technologies can contribute to the modernization of public safety management, increasing the

Operational efficiency and the improvement of actions to combat organized crime.

2. THEORETICAL FRAMEWORK

2.1 Institutional modernization and use of information technologies at PMPA: The digital BAPM

The Military Police of Pará (PMPA) is one of the oldest police institutions in Brazil.

originating in the first half of the 19th century, with the creation of the Police Corps in 1818,

by the then Captain-General and Governor of Grão-Pará, Dom Antônio José de Souza Manuel de

Meneses Sevarim de Noronha, Count of Vila Flor. Since its foundation, the corporation has performed

a central role in visible policing and the preservation of public order, in which it has become established

as one of the main pillars of public security in the State of Pará, as highlighted in the magazine.

PMPA Yearbook (2020).

Throughout its history, the PMPA has undergone several transformations.

institutional changes, keeping pace with the social, political, and technological shifts in the country. In recent years

Over the decades, with the advancement of Information and Communication Technologies (ICTs), the corporation has undergone...

to invest more systematically in modernizing its administrative processes and

operational, aiming for greater efficiency, transparency and responsiveness to the demands of

contemporary society. In this sense, the improvement of the Integrated System stands out.

Police Management (SIGPOL), conceived as a strategic platform aimed at the integration of

data, institutional governance, and the planning of visible policing actions.

Among the innovations implemented within the scope of SIGPOL, the Bulletin of stands out.

Digital Military Police Service (BAPM Digital), officially established by Addendum II to

General Bulletin No. 215, dated November 20, 2019, as an alternative to the traditional physical bulletin. A

The implementation of BAPM Digital represented a significant milestone in the modernization process.

The PMPA's technological advancement allowed police incident reports to be...

carried out electronically, which reduces the use of paper and standardizes information and

expanding the availability of data for analysis and planning purposes.

BAPM Digital integrates the operational module of SIGPOL and its main objective is...

To facilitate the recording of police and military activities, providing greater speed and reliability.

in the production of information. With this tool, it becomes possible to support planning and

execution of visible policing actions at the strategic, tactical and operational levels, in addition to

to allow for more efficient allocation of personnel and material resources, in accordance with the

specific demands of each region. In addition, the digitization of the bulletins contributes to the

Integration between police units and other public security agencies, strengthening their performance.

working together to combat crime.

Technical responsibility for the development, maintenance, and updating of BAPM.

Digital technology is assigned to the Information Technology and Telecommunications Center (CITEL), through the Section.

of Information Systems, which guarantees specialized support and continuous evolution of

platform. This technical structure demonstrates PMPA's institutional effort to align itself with best practices.

digital governance practices, recognizing information as a strategic element for the

public safety.

Historically, the Military Police Service Report (BAPM) was prepared by means of

of physical forms, which required more time to fill out, and manual storage and

subsequent data consolidation, in addition to generating work and difficulties in accessing information.

With the implementation of BAPM Digital, a significant improvement in the standardization of [the relevant documents] was observed.

records, in reducing the time spent by military police officers and in the availability of data.

in a time frame closer to real-time, enabling more precise analyses of the dynamics of

crime and police action in the state of Pará.

However, despite the technological advancements provided by the adoption of BAPM Digital, the

The system still faces operational challenges that impact its full effectiveness in internet use.

in real time. These technical failures can cause delays in recording incidents, forcing

the police force resorting to provisional notes or filling in the data later, which

This compromises, to some extent, the speed and reliability of the information entered into the system.

Issues related to the app's functionality are a limiting factor in its use.

The efficiency of BAPM Digital relates to connectivity infrastructure, especially in cities.

interior of the state of Pará. In many locations, mobile internet coverage is unstable or

non-existent in certain areas, which makes it difficult to send information to the system immediately.

This reality highlights a technological asymmetry between the capital and the municipalities in the interior.

directly impacting the operational routine of police units and the flow of information in

within the scope of PMPA.

In the sense of a relevant technological advancement that could be implemented by

The corporation refers to expanding internet access within police vehicles. The provision

A stable and continuous mobile connection would allow the registration and transmission of BAPM Digital data in

real-time, even in areas far from urban centers. Such a measure would contribute to reducing

Delays in the transfer of information, strengthening the monitoring of occurrences and improving decision-making.

decision-making on the part of managers, especially regarding the use of personnel and...

planning police operations.

The lack of adequate connectivity in vehicles ultimately compromises integration.

full gap between the available technology and the operational reality faced by military police officers,

especially in inland regions. Therefore, although BAPM Digital represents progress...

Significant in the process of institutional modernization, its effectiveness depends directly on

complementary investments in technological infrastructure, including communication networks in

Real-time.

Based on the collection and analysis of data from the General Department's databases of

Operations (DGO) and the Integrated Police Management System (SIGPOL), relating to services

Based on information gathered by the Military Police of Pará and the records of police incidents, it becomes possible

To more comprehensively assess the effectiveness of BAPM Digital. This analysis allows us to identify

not only the benefits achieved with the digitization of bulletins, but also the limitations and

Challenges still persist in the daily use of the tool with mobile network connectivity.

BAPM Digital represents a significant innovation within the PMPA, contributing to

the modernization of operational management, the strengthening of institutional governance and the

improving strategic planning. However, for its benefits to be fully realized...

Having achieved these goals, it is necessary to address the remaining technical and structural difficulties.

especially with regard to expanding internet access in police vehicles. Investing in these

In these areas, it means not only optimizing the use of BAPM Digital, but also strengthening the ability to...

The response of the Military Police of Pará to the contemporary challenges of public security.

especially in a state characterized by its large territorial extension and regional diversity.

2.2 Information technologies and information systems applied to public safety

By demonstrating the effectiveness of using the Digital Military Police Service Report

(BAPM Digital) by the Military Police of Pará (PMPA), it becomes essential to understand,

Initially, the concepts of Information Technology (IT) and Information Systems (IS), once

that such theoretical foundations underpin the analysis of the use of technological tools in the context

institutional. Understanding these concepts makes it possible to evaluate more consistently how the

The adoption of digital solutions impacts the management, planning, and operational efficiency of...

Public organizations, especially those focused on public safety.

According to Furtado (2002), Information Technology can be defined as "everything

technological and computational resource intended for the collection, manipulation, storage and

"Data and/or information processing within an organization." This definition highlights that

IT is not limited to the use of computers, but encompasses a wide range of resources.

technological, including software, communication networks, databases and mobile devices, the

which, in an integrated way, enable the treatment of information as a strategic asset. In

In the context of public institutions, IT plays a relevant role in supporting policy implementation.

public services, optimize internal processes, and expand the capacity to respond to social demands.

In this sense, Information Systems are configured as essential elements for

to operationalize the use of Information Technology. According to Pereira, Santos and Brito (2006), the

Information systems are composed of hardware, software, data, information, and procedures.

working in an integrated manner to support organizational activities. This systemic view allows

to understand that an IS is not limited to a single isolated application, but involves a set of

Interdependent components that enable the flow of information within the organization.

Complementing this approach, Alter (1995) defines an Information System as

"a system that uses Information Technology to capture, transmit, store, retrieve,

"To manipulate or display information used in one or more business processes." This definition

It reinforces the instrumental nature of Information Systems, highlighting their function in supporting processes.

organizational and managerial decisions. Within the scope of PMPA, BAPM Digital fits into

This concept fits perfectly, since it uses technological resources to record, process and

to provide information relating to police incidents and policing activities.

ostentatious.

Therefore, a direct and inseparable relationship can be observed between Information Technology and

Information Systems. While IT provides the necessary technological foundation, IS organizes and

They direct the use of these resources to meet institutional needs. Oliveira (2010) emphasizes

the applicability of these concepts in the organizational context, highlighting the integration between IT

And IT contributes significantly to improving the organization, management, and operational efficiency.

of institutions, especially in the public sector. For the author, information technology, when well-managed

When used, it constitutes a strategic instrument capable of transforming public administration.

making it more agile, transparent and effective.

In this regard, Oliveira (2010, p. 13) points out that:

> Information technology (IT) has established itself as an increasingly important tool for improving the delivery of services by government entities. When used effectively, it can contribute to a more transparent and efficient public administration.
> (OLIVEIRA, 2010, p.13)

This statement reinforces the importance of the conscious and planned adoption of IT in the sector.

public, aligning the use of technology with the constitutional principles that govern administration.

public, such as legality, efficiency, and transparency.

Although the application of Information Technology initially developed from

While more intensely found in the private sector, its increasing incorporation has been observed in recent decades.

In the public sector, IT, combined with Information Systems, has become widely used in strategic areas.

such as the administration of national defense and public security, with the goal of making the services

more efficient and responsive to the needs of society. In the case of public safety, the adoption

The effectiveness of these technologies is directly related to fulfilling the principle of efficiency, as foreseen.

Article 37 of the 1988 Federal Constitution imposes on the public administration the duty to achieve

Better results are achieved through the rational use of available resources.

In the international context, Turban and Volonino (2013) exemplify the use of

Information Technology in England, especially in the field of national defense and security.

public. According to the authors, IT is used to collect large volumes of data and information,

enabling the identification of suspicious behaviors based on predefined patterns.

These technologies are widely used in the field of intelligence, especially in data analysis.

originating from the internet, social networks and different digital platforms, contributing to the

threat prevention and strategic decision-making.

In the context of public safety, Turban and Volonino (2013) also highlight the use of

Information technology for mobile identification, identity verification, and digital forensics.

at the national level. These applications demonstrate how Information Systems can expand the

operational capacity of security forces, providing faster access to

information, greater accuracy in police actions, and better integration between different agencies and

units.

Thus, databases, whether public or private, as well as software

operational systems and applications used by institutions — such as BAPM Digital —

They are configured as Information Systems, since they allow collecting, processing, storing and

To provide information in a structured way. In the context of PMPA, BAPM Digital.

It represents a strategic tool that assists not only in recording police incidents,

but also in operational management, in the planning of policing actions and in supporting decision-making.

decisions at different hierarchical levels.

Thus, the use of Information Systems in the context of public security, such as

BAPM Digital highlights the potential of Information Technology as an instrument of

Institutional modernization. By enabling greater control, organization, and analysis of data.

Operationally, these tools contribute to improving police performance and,

Consequently, this leads to the improvement of services provided to society, reaffirming the role of IT and

Information systems (IS) as fundamental elements for strengthening contemporary public management.

2.3 The digital BAPM as a strategic tool for incident management in the PMPA

The Military Police Service Bulletin (BAPM) is part of the Integrated Management System.

Police (SIGPOL) of the Military Police. Its official regulation was established in 2015, through

from Ordinance No. 10/2015 – CMDº Office of the PMPA, although its use began in 2009 (Pinheiro,

2016). In the same year, the ordinance standardized the DOCUMENT module of the system, initiating the

standardization process for the corporation's main information system.

The complete regulation of SIGPOL was carried out by Ordinance No. 001/2017 – GAB.

CMDº of the PMPA, which created several modules, including Personnel, Assets and Operations (art. 3º,

Paragraph III). The BAPM is specifically included in the Operational Module (Article 6), being used

to record all services provided during police activities (Ordinance No. 10/2015).

Therefore, the services provided by military police officers must be recorded in SIGPOL through the

Operational Module, in accordance with the defined mission that establishes service schedules,

Areas of operation and guidelines for police groups. In 2016, Normative Instruction No. 001/2016-

PM7/EMG specified the procedures and responsibilities of the BAPM module within SIGPOL.

elucidating its functionality and relevance.

> Article 1: The BAPM module of the Integrated Management System of the Military Police of Pará
> (SIGPOL) is a structured computational subsystem that optimizes processes related to the storage and control
> of data pertaining to the Police Service Report.
> Military (BAPM) and related information. (PARÁ, 2016)

Article 2 of the aforementioned internal regulation details several functionalities of the Bulletin.

Military Police Service (BAPM), including the supervision of unit missions (such as

duty rosters), the control of police actions and productivity, both individually and collectively,

as well as the management of the productivity of Military Police Organizations (OPMs), such as battalions

and independent companies (Pará, 2016), encompassing the entire structure of the PMPA.

According to its regulations (Pará, 2016), the BAPM aims to register all

actions performed by the military police force (article 1). For such registration, it is necessary that the police officer

be properly scheduled for service. Initially, a physical form was used that

It should be entered into the BAPM Module of SIGPOL within 24 hours of the end of the service or in

inability to access the system within a maximum of one week (art. 12). The forms

Printed materials had to be archived for a minimum period of two years in the second section (sector of

intelligence) of the police unit (art. 10).

The intelligence sector is responsible for extracting reports and carrying out...

Analysis of the data contained in SIGPOL as stipulated in article 13 of the standard; this aims to

to identify phenomena that can improve the use of troops and prevent crime in the areas under

its jurisdiction (Pará, 2016).

Lima (2013) emphasizes the relevance of BAPM due to the ubiquitous presence of the Military Police of

Pará has 144 municipalities, which contrasts with the Civil Police, which does not cover all of them.

localities with police stations. The author states that it is the responsibility of the PMPA (Military Police of Pará) to document all demands.

related to police activities, including immediate resolutions at the scene of events, situations that

These incidents often do not come to the attention of the Civil Police. Therefore, the BAPM becomes a

one of the largest databases within the Integrated State System for Public Security and Defense

Social (SIEDS).

In addition to serving as an instrument for operational records, BAPM can also

to document various types of PMPA (Military Police of Pará) activities, including environmental policing, and to serve as

A source for academic research.

With a focus on the strategic objectives of the Military Police of Pará, such as "implementing and

"Implement strategic management aimed at excellence" and "improve performance in disease prevention."

Regarding violence, the 2015/2025 Strategic Plan established, among its initiatives, the consolidation of the use

from BAPM. In line with this, Resolution No. 002/2019 – GAB.CMDO established the Application

Mobile Digital Military Police Service Report (BAPM Digital), modernizing records.

and improving efficiency in incident management within the PMPA (BG nº215-Pará, 2019).

> [...] a type of closed-source software, created and developed for exclusive use on mobile devices, free for the user, which replaces the interface of the Personal Service Bulletin Control of the SIGPOL Operational Module of the Web Application, with the purpose of completing the BAPM electronic form and sending it to the SIGPOL database, after the necessary validations. (PARÁ, 2019).

This application functions as a unique software for mobile devices that replaces

The previous interface used in the SIGPOL web application for electronic registration of BAPM forms after

validation. (PARÁ, 2019).

Article 3 reaffirms both the importance and usefulness of the Service Bulletin.

Military Police (BAPM) aiming to record any police action carried out during active duty.

Therefore, access to SIGPOL is personal and controlled through individual CPF (Brazilian taxpayer ID) and password as per

expressed in article 4. When attending to any request made by citizens, whether by telephone,

In cases of radio communication or direct contact, registration must be carried out. This also extends to

initiatives of public agents when required by the situation or current legislation (BG)

No. 215 - Pará, 2019).

BAPM Digital not only records incidents, but also acts strategically in...

Efficient management of public safety. A standardized digital record allows for the generation of reliable data in

Real-time analysis of criminal patterns, regional vulnerabilities, and trends is possible.

criminal.

This operational intelligence enables more effective planning in police operations.

mobilizing resources strategically where the greatest risk occurs. Similarly, the integration between

different agencies facilitate essential coordination against organized crime operating in various

Locations through complex structures.

Socially, the implementation of BAMPM Digital-type systems promotes transparency in

police activities, promoting institutional accountability and allowing the public to perceive...

Quick and effective responses. Consequently, there is a direct impact on crime reduction and a sense of security.

safety, quality of life, society, adhering to the principles of efficiency and legality foreseen in article 37.

Federal Constitution.

In summary, BAMP Digital represents a tool that enhances PMPA operational effectiveness.

Maximizing citizen protection, confronting organized crime, and supporting strategic decisions.

based on evidence.

3. MATERIALS AND METHODS

This research is characterized by its applied, exploratory, and descriptive nature.

adopting a mixed methodological approach, integrating qualitative and quantitative procedures

appropriate for impact analysis of Information and Communication Technologies (ICTs) in security management

public, focusing on the use of the Digital Military Police Service Bulletin (BAPM Digital) by

Military Police of Pará (PMPA).

Regarding the technical procedures of the study, it occurred in three stages.

Main areas: literature review, document analysis, collection of institutional data, literature review

which included books, scientific articles, dissertations, and institutional regulations relating to

ICTs, Information Systems, public security management and BAPM Digital, with the objective

to provide a theoretical foundation for the research and contextualize the use of technology within the police force.

Document analysis was based on ordinances, normative instructions, general bulletins, and plans.

Strategic, official reports from the Pará Military Police, particularly those linked to the System.

Integrated Police Management (SIGPOL) BAPM Digital. This phase allowed for an understanding of the process.

Implementation, regulation, operationalization, tools, and alignment of objectives.

institutional corporations.

The quantitative data collection was extracted from the General Operations Department (DGO).

Integrated Police Management System (SIGPOL), Integrated Public Security System (SISP) regarding

Police responses, approaches, seizures, arrests, and other operational actions by the PMPA (Military Police of Pará), period.

The period spans from 2020 to 2024. This timeframe is justified by encompassing the early years.

Consolidation using digital BAPM enables longitudinal analysis of indicator evolution.

operational post-implementation tool.

Quantitative analysis of the results was performed using descriptive statistics, allowing for comparison.

records from years analyzed identify trends, variations, and patterns related to operational performance.

PMPA. To facilitate the interpretation of the results in graphs and tables, the following aids were used:

Visualization of the evolution of approaches, actions, and understanding during the study period.

Simultaneously, the qualitative analysis conducted through content analysis made it possible

categorization, interpretation, information, benefits, challenges, limitations, potential of use

BAPM Digital ICTs in the context of public safety. This approach allowed for an understanding of

aspects that cannot be measured quantitatively, such as impacts on management, decision-making, and efficiency.

operational.

Thus, the adopted methodology proved adequate to the proposed objectives.

allowing for consistent analysis of the impact of BAPM Digital, efficiency, operation, and management.

Services provided by the Military Police of Pará contribute to understanding the role of Information Technologies.

Communication, modernization, public safety

4. RESULTS AND DISCUSSION

The implementation of BAPM Digital demonstrates how technology can transform the

public safety, making it more organized, agile, and efficient. The continued use and

The improvement of the application will allow the PMPA to maintain high standards of control and oversight.

and prevention, ensuring effective protection for the population and consolidating a police management model.

Innovative and a benchmark for other states.

Between 2020 and 2024, the Military Police of Pará expanded and redirected its approach actions.

Strategically, reflecting the positive impact of BAPM Digital on operational efficiency and in

Customer service management. According to PMPA-DGO, in 2020, the reference year, approaches to people

were predominant (1,870,345), while cars (227,347) and motorcycles (457,348) already registered

considerable volumes. Actions in concert halls (47,848), buses (8,669), cyclists (94,466) and

vessels (4,196) demonstrated initial attention to safety in different modes of

transportation and places of crowding.

In 2021, a significant increase was observed in virtually all categories.

Approaches to cars (424,191) and motorcycles (713,035) grew significantly, as did approaches to homes.

of shows (159,163), highlighting the PMPA's greater commitment to preventive operations and inspections.

strategic. The digital record made it possible to track events in real time, directing

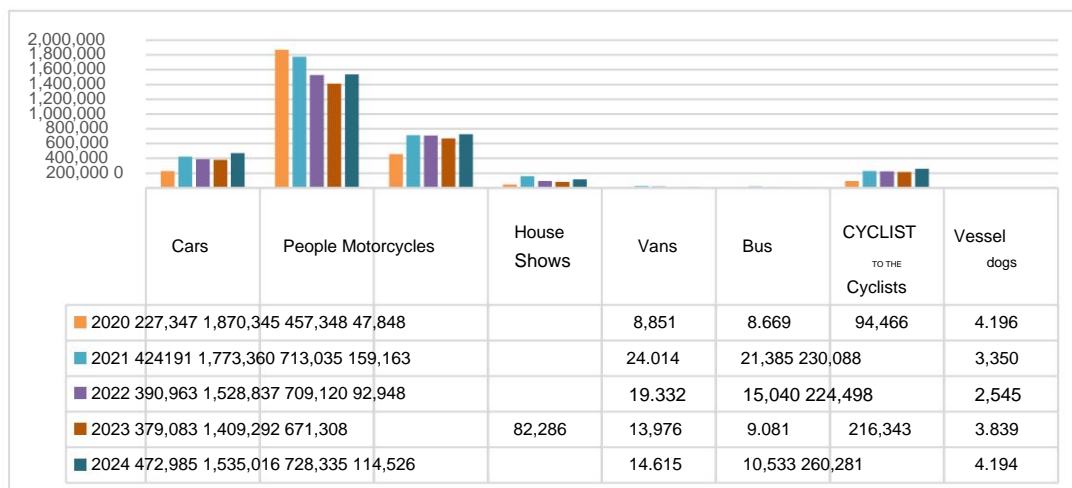Resources for high-risk areas, increasing the effectiveness of actions.

In 2022, there was an operational adjustment. Approaches to cars (390,963) and buses.

(13,982) fell slightly, while shares with cyclists (203,558) continued to grow,

reflecting special attention to road safety. Approaches in concert halls (109,345) and vans

(17,512) also decreased, demonstrating more precise planning and focus on locations and times.

strategic.

In 2023, the adjustment trend continued. Approaches to cars (379,083) and people

(1,409,292) registered a slight decrease, evidencing more targeted operations. Inspection cases

in concert halls (96,782) and buses (11,231) followed adjusted standards, while the approaches

The number of cyclists continued to grow (234,992), showing continued priority in prevention.

accidents and compliance with traffic regulations.

Already in 2024, the scenario showed significant growth in approaches to cars (472,985)

and motorcycles (728,335), reinforcing the PMPA's attention to the control of motor vehicles.

Approaches to people (1,535,016) increased compared to the previous year, signaling a recovery of

Strategic operations in specific locations. Actions in concert halls (114,526), vans (14,615)

and buses (10,533) remained balanced, combining enforcement and maintenance of mobility.

urban. Approaches to cyclists (260,281) and boats (4,196) demonstrated continued concern.

with road and river safety, as shown in graph 01.

Chart 1: Number of approaches in the years 2020 to 2024.

	Cars	People Motorcycles	House Shows	Vans	Bus	CYCLIST TO THE Cyclists	Vessel dogs
■ 2020	227,347 1,870,345 457,348 47,848			8,851	8.669	94,466	4.196
■ 2021	424191 1,773,360 713,035 159,163			24.014	21,385	230,088	3,350
■ 2022	390,963 1,528,837 709,120 92,948			19.332	15,040	224,498	2,545
■ 2023	379,083 1,409,292 671,308		82,286	13,976	9.081	216,343	3.839
■ 2024	472,985 1,535,016 728,335 114,526			14.615	10,533	260,281	4.194

Source: PMPA- DGO.

In summary, the period from 2020 to 2024 demonstrates that the Military Police of Pará has improved.

significantly expanded their approaches, broadening the inspection of vehicles, people, and locations.

strategic, while maintaining constant attention to road and river safety. The BAPM Digital is

It proved to be an essential tool in this process, allowing for quick and reliable recording.

Efficient strategic planning, real-time monitoring, and detailed data analysis.

As a result, PMPA was able to optimize resources and direct actions more effectively.

to increase operational efficiency by consolidating a modern, transparent, and effective customer service management system.

Evidence-driven, which directly contributes to the continuous improvement of public safety in

state of Pará.

The Military Police of Pará (PMPA) plays an essential role in maintaining order.

public and in the execution of preventive and repressive actions throughout the state of Pará. Among these

Among the actions, the seizures carried out during visible policing operations stand out.

inspections and investigations, which contribute directly to the weakening of activities

criminals and to promote public safety.

According to the Military Police - DGO, between the years 2020 and 2024, the Military Police of Pará

(PMPA) demonstrated significant progress in the execution of its public security actions, with

Significant results across various areas of operation. These results can be observed in

based on detailed records of operations, seizures and arrests carried out, collected and organized

through BAPM Digital, a tool that centralizes and systematizes all information in a way

efficient and reliable. The use of this technological platform has proven decisive for the management of

police activities, ensuring greater control and transparency in the corporation's actions.

With regard to weapons seizures, the data points to a growing trend,

especially in the case of industrial weapons, which increased from 1,202 units in 2020 to 2,026 in [year].

In 2022, a slight reduction was observed in the subsequent years, 2023 and 2024, with 1,905 and 1,661 respectively.

seizures, respectively, indicating that, although there has been a stabilization, the number of

Seizures continue to be higher than those recorded at the beginning of the period analyzed. Homemade weapons, for their part.

In turn, they experienced continuous growth until 2023, reaching 847 units, and then showed a slight decrease.

In 2024, there were 716 recorded incidents. This growth highlights the PMPA's attention to improvised weapons.

frequently used in minor crimes and urban conflicts, demonstrating a

Effective preventive and repressive action.

Arrests made by the PMPA also showed a steady increase throughout the

The period, increasing from 16,804 in 2020 to 24,618 in 2024. This consistent increase reflects the

Strengthening police operations and improving preventive and repressive policing.

allowing the corporation to achieve more significant results in the fight against crime.

In addition, drug seizures show more pronounced variations compared to...

over the years, starting at 6,256.48 kg in 2020, followed by a significant drop in 2022 to

2,376.24 kg and reaching a peak of 8,969.51 kg in 2024. This fluctuation may indicate adjustments.

strategic in prioritizing operations and directing more effective actions against trafficking.

of narcotics, especially in years when registration shows significant growth.

The number of minors apprehended remained relatively stable, with 1,560 cases in

2020 and 1,153 in 2024, suggesting a slight reduction in adolescent involvement rates.

in cases of infractions, possibly due to preventive actions and socio-educational programs.

developed in parallel with the operations of the PMPA.

The recapture of fugitives showed a significant increase in 2022, with 12,042.

recaptures, followed by a decline in subsequent years, indicating that during that period there were

Intensification of actions aimed at executing warrants and restoring order.

reflecting greater operational efficiency and strategic focus.

Regarding vehicle recovery, the data reveals a continuous effort by the PMPA (Military Police of Pará) in...

combating theft and robbery, increasing the number of recovered cars from 555 in 2020 to 758 in 2024.

The seizure of bladed weapons showed a notable increase, from 760 units in 2020.

to 7,729 in 2024, demonstrating special attention to violent crime, frequently

associated with interpersonal conflicts and crime in urban areas. Another relevant indicator refers to

animal captures, which increased significantly, from 379 in 2020 to 6,483 in 2024.

highlighting the PMPA's performance in environmental protection operations and compliance with legislation.

concerning wildlife and the control of situations that involve risks to the population and biodiversity.

BAPM Digital plays a central role in managing all of these actions. Through the

The app allows all incidents and seizures to be recorded quickly, securely, and in an organized manner.

allowing data to be accessed in real time and used for strategic planning and

decision-making. This technology offers greater reliability, centralizes information and
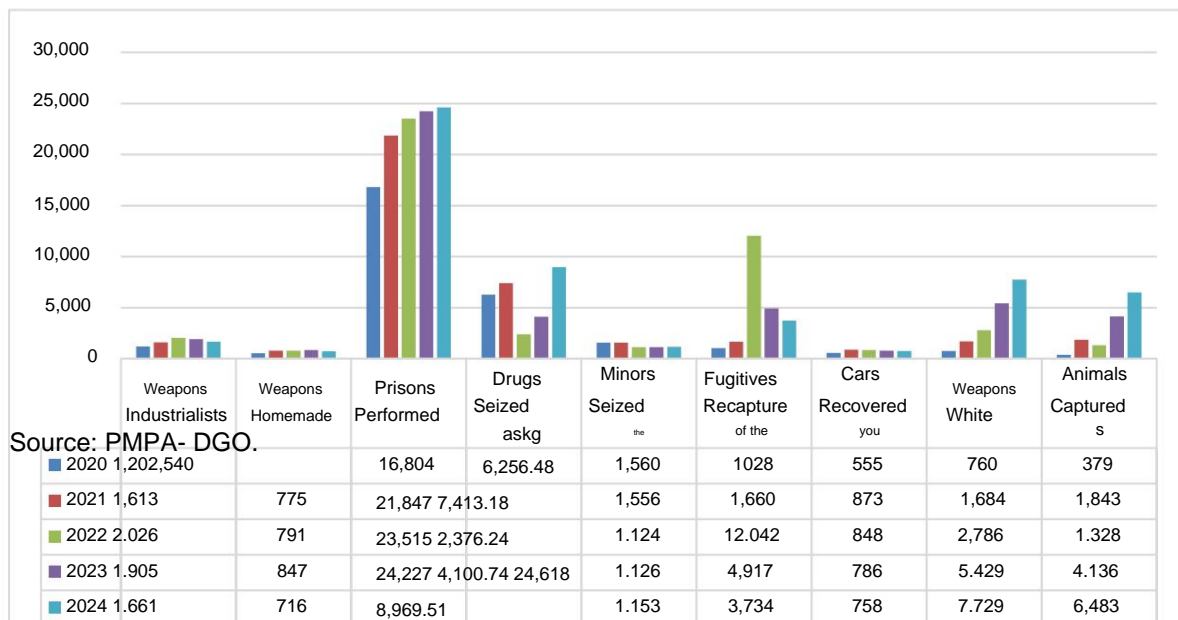
It allows for detailed analyses of the effectiveness of police operations. Furthermore, the systematization

The availability of information contributes to institutional transparency, allowing results to be...

monitored and evaluated with precision, as shown in the graph.

Chart 2: Evolution of Seizure Actions in the Years 2020 to 2024.

Source: PMPA- DGO.

Year	Weapons Industrialists	Weapons Homemade	Prisons Performed	Drugs Seized askg	Minors Seized	Fugitives Recapture	Cars Recovered	Weapons White	Animals Captured
2020	1,202	540	16,804	6,256.48	1,560	1028	555	760	379
2021	1,613	775	21,847	7,413.18	1,556	1,660	873	1,684	1,843
2022	2.026	791	23,515	2,376.24	1.124	12.042	848	2,786	1.328
2023	1.905	847	24,227	4,100.74 24,618	1.126	4,917	786	5.429	4.136
2024	1.661	716		8,969.51	1.153	3,734	758	7.729	6,483

In summary, the data from 2020 to 2024 demonstrate not only the operational efficiency of

The Military Police of Pará, but also the importance of investing in technological tools such as...

BAPM Digital. The growth in seizures, arrests, and strategic actions demonstrates that...

The corporation has been acting in an organized and planned manner, maintaining its focus on reducing...

crime reduction and the protection of society. The consolidation of these results is reinforced by the record.

digital, which ensures that all operations are properly documented and accessible to

Further consultations and analyses will strengthen public safety management and ensure greater efficiency.

Quality in providing services to the population.

Analyses of the periods from 2020 to 2024 show that the Military Police of Pará improved.

Significantly improved both the approaches and the seizure actions, reflecting greater efficiency.

Operational and strategic management of incidents. The consistent increase in vehicle stops,

People, cyclists, and strategic locations, coupled with the increase in seizures of weapons and drugs,

The use of vehicles, animals, and prisons demonstrates organized and targeted preventive and repressive action.

BAPM Digital played a central role in this process, ensuring fast, secure and accurate records.

reliable, enabling real-time monitoring, precise strategic planning, and analysis.

detailed data. As a result, the corporation was able to optimize resources and target actions.

In a more assertive way, increase operational effectiveness and consolidate public safety management.

modern, transparent and evidence-based, promoting greater protection for the population and

strengthening institutional credibility.

FINAL CONSIDERATIONS

The aim of this research was to analyze the impact of Information Technologies.

and Communication Technologies (ICTs) in the integration of public security in the State of Pará, with emphasis on the use of

Digital Police Service Report (BAPM Digital) by the Military Police of Pará

(PMPA). Using an applied, exploratory, and mixed-methods approach, it was possible

to comprehensively understand how the incorporation of information systems contributes to the

modernization of police management, improvement of operational efficiency and strengthening of

Institutional governance in the context of public security.

The results obtained demonstrate that the PMPA, as one of the police corporations

Among the oldest in Brazil, it has sought to keep up with the technological transformations imposed by

contemporary society, recognizing information as a strategic element for

Planning, execution, and evaluation of visible policing actions. Implementation of the System

The Integrated Police Management System (SIGPOL), and especially the Digital BAPM, represents a milestone.

significant in this process of institutional modernization, by replacing practices based on

Physical records replaced by a standardized and integrated digital model.

Analysis of data from 2020 to 2024 shows that BAPM Digital...

It has become established as an essential tool for recording and managing police incidents in

State of Pará. The increase and reorganization of approaches to people, vehicles, cyclists,

The use of vessels and strategic locations demonstrates that the PMPA (Military Police of Porto Alegre) has begun to operate in a more planned manner.

and evidence-based. The ability to record patient care quickly and reliably.

It allowed the corporation to identify criminal patterns, adjust operational strategies, and target...

to utilize resources more efficiently, in accordance with the constitutional principle of efficiency provided for in

Article 37 of the 1988 Federal Constitution.

Similarly, data related to seizures of weapons, drugs, vehicles, animals,

as well as the number of arrests and recaptures of fugitives, reinforce the relevance of BAPM Digital.

as a tool to support decision-making. The significant growth of these actions over the years

The years analyzed indicate that the use of information systems has contributed to strengthening policing.

ostentatious, expand the response capacity of the PMPA (Military Police of Pará) and intensify the fight against crime.

Organized. The systematization and centralization of information provided by BAPM Digital.

They enable greater institutional control, transparency, and data reliability, elements

fundamental for modern and responsible public management.

From a theoretical perspective, the concepts of Information Technology and Systems of

The information presented throughout the study proves to be fully applicable to the context of

public security. As discussed based on authors such as Furtado (2002), Alter (1998) and

Oliveira (2010), the integration between technological resources, data, procedures and people

It enhances organizational efficiency. In this sense, BAPM Digital fits the bill as a...

Strategic Information System, since it uses IT to capture, process, store and

To provide information essential to the core activity of the Military Police.

However, despite the progress shown in the BAPM Digital application, the research

It also identified insufficient connectivity infrastructure, especially in municipalities.

From the interior of the state of Pará, it reveals a technological asymmetry that hinders the sending of information.

in real time and delays the data flow to SIGPOL.

In this context, the need for continuous investment in infrastructure stands out.

Technological, with an emphasis on expanding access to mobile internet inside police vehicles.

Providing a stable and permanent connection would allow for the full use of BAPM Digital in

throughout the state of Pará, reducing delays in the transfer of information, strengthening the

Monitoring incidents and improving the strategic planning of police actions. Such

Investments must be accompanied by policies for the continuous training of personnel, ensuring

that military police officers are able to use technological tools efficiently and

safe.

From an institutional and social point of view, the consolidation of BAPM Digital contributes to the

Strengthening transparency, administrative accountability, and police credibility.

The role of the Military of Pará in relation to society. By allowing the systematic monitoring of police actions.

and through detailed analysis of the results achieved, the system reinforces accountability and promotes

The construction of public policies based on concrete data. Consequently, one observes a

positive impact on the population's sense of security and on the quality of services provided.

In light of the above, it can be concluded that BAPM Digital represents a technological innovation of

of great relevance to the Military Police of Pará, constituting a strategic instrument.

for the management of police incidents and for the improvement of public safety in the State. Its

The benefits are evident in the modernization of processes, the optimization of resources, and the expansion.

of the corporation's analytical capacity and in strengthening the fight against organized crime. However,

In order to maximize its results, it is essential that PMPA continues investing.

in infrastructure, connectivity, technical support and professional training, ensuring that the

Technology is fully integrated into operational reality.

Finally, this study reaffirms the importance of Information and Communication Technologies.

as indispensable allies of contemporary public security. The PMPA's experience with the

BAPM Digital demonstrates that the adoption of well-structured information systems can transform

police management, promoting greater efficiency and contributing significantly to the protection of

society. Thus, strengthening and expanding the use of these technologies is configured as

fundamental paths to confront the challenges of crime and consolidate security.

A more effective, integrated, and evidence-based public sector in the State of Pará.

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