

Criminality at Transport Facilities in Russian Federation: Situation, Tendencies, and Main Factors of the Development

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Abstract—The situation and tendencies of the development of criminality on transport to a certain extent reflect events and processes occurring in branch and in society as a whole. The dynamics of recorded crimes committed at transport facilities demonstrate its qualitative transformation. The article describes transport criminality and identifies its main tendencies. The author also analyzes the factors determining crime at transport facilities and investigates key issues of law enforcement on transport. The study of indicators characterizing criminality at transport facilities in the Russian Federation in 2012-2018, as well as crime factors, led to the conclusion that modern crime prevention activity is narrowly focused and it is specialized mainly on countering traditional crimes, which does not meet modern criminal threats.

Keywords—*criminal situation; criminality; crime situation; crime tendencies; transport; transport security; criminal threats; transport crime; law and order; crime factors; determination*

I. INTRODUCTION

The transport complex of the Russian Federation, being one of the management branches, covers the defense needs, the industrial and agricultural production needs, trade and trade turnover, the population in transportation, serves as the material and technical basis for the territorial division of labour, has a significant impact on the dynamics and efficiency of the progressive development of some regions and the country as a whole [1]. In accordance with the current legislation, it includes objects and subjects of transport infrastructure, as well as vehicles [2].

The modern transport complex is not only a technical structure that solves the problem of moving goods from the sphere of production to the sphere of consumption, but also an actor of the "new product", providing a wide range of services to various entities [3]. In addition, it is included in the system of foreign economic, domestic political, environmental, anti-terrorist, information and scientific and technical security.

In this regard, the transport complex, on the one hand, is a source of increased danger and high-risk object [4], and on the other hand it is very vulnerable to external and internal threats (technical, technological, law enforcement (social

and natural), acts of unlawful interference into its activity, including criminal one.

Thus, the efficiency of the transport complex to perform its functions is directly dependent on the security level achieved on the highways, an important component of which is the law and order, which is a kind of security "measure" of public relations in the transport sector. At the same time, one of the main roles in ensuring transport security belongs to a set of measures of criminal-law and criminological nature. In this regard, information on the volume characteristics of crimes committed at transport facilities is very important, it makes it possible for law enforcement bodies and other subjects of prevention within their competence to determine priority areas of activity; optimize management decisions; in time, purposefully and effectively use measures to prevent and suppress offenses.

II. THE POSITION AND TENDENCIES OF THE CRIME DEVELOPMENT AT TRANSPORT FACILITIES

The analysis of official statistical data of the "Main information and analytical center of the Ministry of internal affairs of Russia" presents that the criminal situation at transport facilities still is rather intense [5], [6]. According to statistics, 38,605 crimes were registered in 2018, which is 0.1% lower than in 2017. Meanwhile, reduction of quantitative crime indicators does not allow to speak about the improvement of criminal situation at transport facilities, at least, for the following reasons:

- in comparison with 2016 and 2017 characterized with the significant consistent registered increase in crimes, the decrease in the analyzed value of the indicator is quite small (- 42 registered crimes);
- quality crime characteristics has negatively changed, as against the background of the registered misdemeanor and felony crimes, there is registered an increase in minor and especially serious crimes (see "Table I"). There is the increase in corruption crimes [7], environmental crimes, as well as murders, crimes committed with the use of ammunition, firearms and gas weapons and in public places.

TABLE I. DYNAMICS OF THE REGISTERED CRIMES AT TRANSPORT FACILITIES OF THE RUSSIAN FEDERATION IN 2012-2018 ON THE CRIME SEVERITY

	2012	2013	2014	2015	2016	2017	2018
In total	46462	42029	40581	40556	37181	38647	38605
Minor crimes	23440	21169	19732	19795	18654	19866	20626
Misdemeanor crimes	12419	10834	10017	10251	8845	8839	8566
Felony crimes	7601	7233	7706	7596	6689	6373	5550
Major crimes	3002	2793	3126	2914	2993	3569	3863

Describing the geography of criminality at transport facilities, we note that in 2018, the growth in the number of registered crimes is at service facilities: Transport department of the Ministry of internal affairs of Russia in Southern Federal District (+11.4%), the Transport department of the Ministry of internal affairs of Russia in Ural Federal District (+4.6%), the Transport department of the Ministry of internal affairs of Russia in Central Federal District (+4.5 the Transport department of the Ministry of internal affairs of Russia in the Far Eastern Federal District (+3.3%), the Transport department of the Ministry of internal

affairs of Russia in North Caucasus Federal District (+2.0%), the decrease in the East Siberian linear department of the Ministry of internal affairs of Russia on transport (-3.4%), the Transport department of the Ministry of internal affairs of Russia in Siberian Federal District -3.8%), the Transport Department of the Ministry of internal affairs of Russia in Volga Federal District (-6.0%), the Transport Department of the Ministry of internal affairs of Russia in Northwest Federal District (-6.1%), the Zabaykalsky linear department of the Ministry of internal affairs of Russia (-10.2%).

In recent years there is the steady annual increase in the number of reported crimes on the service objects of the Transbaikal linear department of the Ministry of internal affairs of Russia, the Transport Department of the Ministry of internal affairs of Russia in Central, Southern, North-Caucasian and Ural Federal districts.

Theft is dominant in the structure of transport; crimes related to drug trafficking and weapons; crimes committed in public places; economic and corruption crimes; environmental crimes ("Table II").

TABLE II. NUMBER OF CERTAIN TYPES OF REPORTED CRIMES AT TRANSPORT FACILITIES OF THE RUSSIAN FEDERATION IN 2012-2018

	2012	2013	2014	2015	2016	2017	2018
Murder and attempted murder	39	33	38	23	25	17	27
<i>decrease/increase in %</i>	-25	-15,4	15,2	-39,5	8,7	-32,0	58,8
Intentional infliction of serious bodily harm	89	79	65	55	50	37	37
<i>decrease/increase in %</i>	-7,3	-11,2	-17,7	-15,4	-9,1	-26,0	0,0
Theft	17133	14719	13772	14379	12126	12695	12649
<i>decrease/increase in %</i>	0,8	-14,1	-6,4	4,4	-15,7	4,7	-0,4
Robbery	807	660	447	446	317	360	288
<i>decrease/increase in %</i>	-10,3	-18,2	-32,3	-0,2	-28,9	13,6	-20,0
Attack	122	98	71	69	53	47	32
<i>decrease/increase in %</i>	-16,4	-19,7	-27,6	-2,8	-23,2	-11,3	-31,9
Economic	7603	6869	6358	6374	6261	5877	5702
<i>decrease/increase in %</i>	-47,6	-9,7	-7,4	0,3	-1,8	-6,1	-3,0
Corruption	2218	2164	2203	2559	2912	2169	2456
<i>decrease/increase in %</i>	-	-2,4	1,8	16,2	13,8	-25,5	13,2
Ecological	1038	1019	1144	1196	1260	1304	1405
<i>decrease/increase in %</i>	-12,7	-1,8	12,3	4,5	5,3	3,5	7,7
Terrorist	13	10	7	3	1	4	2
<i>decrease/increase in %</i>	85,7	-23,1	-30	-57,1	-66,7	300,0	-50,0
Extremist	3	6	6	8	1	10	6
<i>decrease/increase in %</i>	-50	100	0	33,3	-87,5	900,0	-40,0
Drug trafficking offences	11320	10939	11192	10440	10302	10821	9961
<i>decrease/increase in %</i>	-0,3	-3,4	2,3	-6,7	-1,3	5,0	-7,9
Crimes in the sphere of illegal turnover of weapons	1817	1593	1453	1285	1165	1221	1180
<i>decrease/increase in %</i>	-17,8	-12,3	-8,8	-11,6	-9,3	4,8	-3,4
Offences committed in public places	7658	8557	9296	9676	9271	9610	9714
<i>decrease/increase in %</i>	-5	11,7	8,6	4,1	-4,2	3,7	1,1

It should be noted that corruption and environmental crimes have a particularly high latency ratio (70-75), i.e. official statistics do not reflect the real situation with crime. This may indicate a possible decrease in the effectiveness of the criminal law influence on their prevention, as it is very problematic.

In 2018, there was the decrease in number of identified persons who committed crimes at transport facilities, -21351 (-3.7%), the decrease of which is observed since 2016 ("Fig. 1").

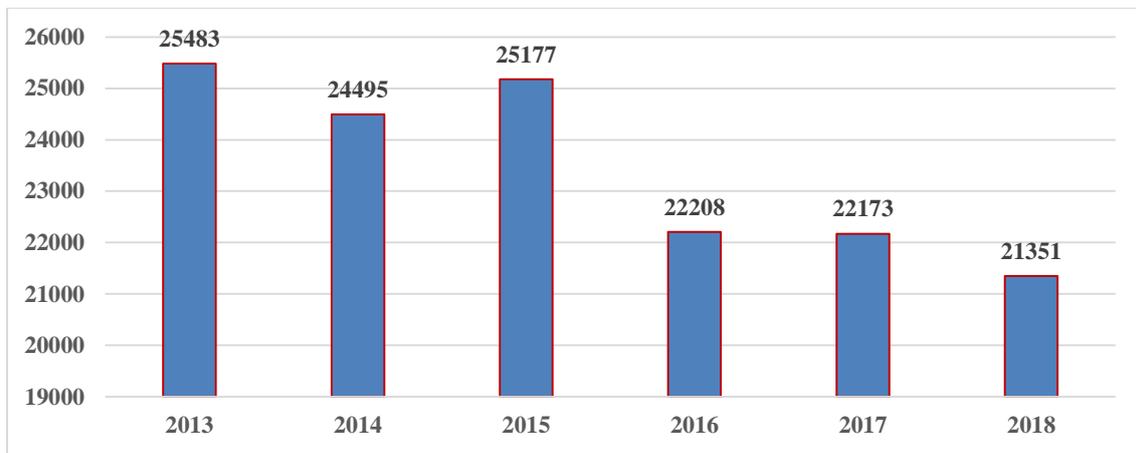


Fig. 1. Number of identified persons who committed crimes at transport facilities of the Russian Federation (2013-2018).

The analysis of statistical data about persons identified for crimes at transport facilities presents also tendency of the decrease in number of the revealed minors, unemployed

persons, persons committing crimes in a state of intoxication, and persons who committed crimes before ("Table III").

TABLE III. DYNAMICS OF THE NUMBER OF PERSONS IDENTIFIED FOR COMMITTING CRIMES AT TRANSPORT FACILITIES OF THE RUSSIAN FEDERATION IN 2012-2018

	2012	2013	2014	2015	2016	2017	2018
Persons who have committed crimes under the influence of drugs	1306	1639	1941	2278	2426	1916	875
Persons who have committed crimes while intoxicated	2829	3300	3040	3082	2768	2681	2392
Pupils and students	896	930	750	697	538	510	481
Persons without a permanent income	16906	15772	14640	15214	12627	13006	12078
Unemployed persons	3954	1492	1422	1400	590	209	72
Persons committed crimes before	8798	9379	9749	10381	9977	10146	9543
Persons convicted before	7998	7718	7199	6653	5585	5393	4790
Women	2447	2030	2086	2312	2047	2012	2149
Minors	830	724	519	419	343	266	224

Thus, results of the criminal situation study on transport make it possible to identify its main trends in 2018:

- the significant reduction in reported misdemeanor and serious crimes, the significant increase in minor offenses and especially grave crimes;
- the increase in number of registered murders, crimes committed with the use of ammunition, firearms and gas weapons, corruption crimes and crimes committed in public places.

III. TRANSPORT CRIME FACTORS

Transport crimes are the result of a complex set of factors that determine them, which include direct sources of criminal threats and their criminogenic determinants, both common to all types of transport and specific to each of them, as well as characteristic of those crimes that are committed in this field. All these elements are not completely independent, but are subordinated as a relation of more to less, a structural part to a common system or an unsystematic part. They are a set of interrelated criminal phenomena and processes that can provoke, make conditions and contribute to harming the

transport security of the Russian Federation and the environment, life and health of people, cause material damage, reduce the level of stability and comfort of the transport infrastructure use.

We refer to the direct sources of transport security criminal threats:

- Illegal actions:
 - Citizens (offenders, criminals, terrorists, pirates);
 - Officials (transport sector, supervisory and law enforcement bodies), as well as competitor organizations operating in the field of transport services;
 - Representatives of special services.
- Technogenic accidents (technical failures, accidents, fires, disasters), natural hazards (floods, earthquakes, hurricanes, landslides, etc.) and emergency situations, during which, as well as in the process of eliminating their negative consequences, there are favorable

situations for committing crimes and administrative offenses.

- Leakage, damage or loss of information important for security, including those caused by atmospheric and industrial interference, leading to failures in operating information systems.
- Improper performance, intentional or unintentional non-performance of job descriptions, rules, regulations, operations, etc. in the field of transport security.
- Conflict situations in groups of people (ensuring the work of the transport sector and transport security) that interfere or may interfere the functioning of the transport complex, as well as conditions for committing crimes.

Turning to the analysis of the criminogenic determinants, above divided into groups, it is necessary to note a very conditional nature of this gradation. In reality, they exist in close relationship, embodied in a single criminogenic social "reality". Taking into account the topic for this study, we will investigate criminogenic determinants common to all types of transport.

Criminogenic determinants of transport criminality are associated with a complex of legal, economic, organizational, social, ideological, moral, psychological and other factors that give rise to crimes not only in the field of safe transport operation, but also criminal threats in general (general social level of determination).

At the present stage, with increasing demand for services provided by all modes of transport, these determinants are manifested in the conditions of increasing the number and volume of vehicles production, deterioration of these products conditions, increased load on the underdeveloped transport infrastructure, reduced quality of repair work, the original spare parts shortage, the continuing forced operation of morally and physically worn-out transport fleet, falling discipline, legal nihilism and low legal culture, especially among minors and young people, etc.

The specially-criminological level of the vehicle crime determination reflects the uniqueness of criminal manifestations. Thus, there is a specific operational situation in some types of transport in particular and in the transport complex in general, which is understood as a set of negative factors and circumstances that determine the probability of committing crimes in a certain territory [8].

The specifics of the operational situation is determined by two main directions of the transport complex functioning: in the field of the passenger and cargo transportation, including the transportation of dangerous goods. However, they are in special legal and organizational conditions established by the membership of the transport infrastructure to the increased danger sources; the magnitude and extension of transport facilities; transience of events and situations change; round the clock technological process of the transportation and document circulation, their concentration; continuity, cyclicity and interconnectedness of transport

operations; short stay of goods and passengers at stations, airports and ports, as well as extensive opportunities for the use in criminal interests. These conditions form organizational and legal determinants associated with the organization of transport security subjects:

- The widespread use of standard actions and management decisions by the subjects of transport security is not always effective in rapidly, often unexpectedly, changing conditions. Certain actions enshrined in legal acts, brought to automatism, used for the implementation of transport security measures are certainly necessary and justified. However, the dynamics of the transport complex development, including in the field of law enforcement, causes new relations that are not regulated by normative legal acts [9]. Their legal regulation requires the operational improvement. The objective delay in this matter and omissions in some aspects give rise to disagreements and contradictions, often with criminal nature;
- To date, the basis for the adoption of coordinated decisions in the field of law enforcement by legislatively defined quite numerous transport security subjects have not been determined [10].
- So, for example, on railway transport such decisions besides law enforcement bodies can be made by paramilitary protection of railway transport and departmental auditor's office in the sphere of passenger transportations [11];
- A large number of issues on the interaction organization in the direct implementation of security measures at transport facilities are regulated by departmental and local regulations, often duplicating or competing with each other on significant positions, generating disagreements of subjects;
- Defects in the traffic organization, leading to abnormal situations that facilitate committing crimes;
- The decrease in the level of the police activity on transport, in connection with reforming the law enforcement sector, "substitute" employees of internal affairs bodies by technical means of control, as well as the staff shortage of the internal affairs bodies on transport, due to the increase in the load on the staff. This problem becomes especially acute in an emergency situation;
- Cases of violations of labour and industrial discipline by transport workers (absenteeism, late arrival at work, drinking alcohol during working hours, etc.), as well as the use of their official position for personal purposes.

Another significant block of a criminogenic determinants of information are information ones. Communication and digital technologies are increasingly being introduced into society.

The transport sphere is not an exception, the functioning and maintenance of which requires collecting, processing, providing, exchange and storage of information; the improvement of technological methods and methods of its transmission; the use of information and communication, intelligent systems, models, resources; the integration of electronic (digital) services into a single environment that connects real-time processes with software and electronic systems [12]. The criminal vulnerability of such information predetermines the potential for coming crimes.

Thus, in 2018, a number of large companies, including Public corporation "Russian Railways", were subjected to cyber attacks, as a result of which they were forced to suspend some of their activities and make significant measures and significant funds to ensure their functioning and restore the security of information systems.

Vehicles and transport infrastructure objects are sources of increased danger to the life and health of citizens, as well as material values, which allows to allocate *technical determinants*:

- vehicles (freight and passenger), having technological cavities in their designs, are very "convenient" for transporting items excluded from civil or legal circulation, allowing criminals to transport quite large volumes of them. At the same time in case of such objects detection to establish their belonging to a particular person is problematic;
- technical failures, breakdowns and accidents that do not allow transport to operate normally, often lead to an increase in passenger traffic and congestion more passengers at railway stations, stations, ports and airports than in their normal operation, complicating the implementation of functions to protect public order and contributing to committing crimes, especially property crimes.

The latency of transport crimes also acts as a resource for new crimes, which is due to:

- a "shadow" component in the professional activity of the employees in the transport sphere providing its functioning (replacement, repair, write-off and substitution of accessories, fuel and other components, low-quality repair, maintenance and operation with violations, etc.), their frequent corruption defeat. For example, when issuing quotas and licenses, the transfer of long-term lease facilities, including government facilities, the transportation of passengers and cargo without proper "documents", violations of passengers, staff, cargo and luggage, etc. inspection rules;
- the attractiveness of transport for organized criminality;
- objective difficulties on detection and criminal prosecution of the persons committed crimes on transport;

- a significant number of thefts committed at transport facilities and not registered by the internal affairs bodies. There are two reasons for this: first, the most common is the opinion of victims about the meaninglessness and cost of filing a statement about the incident.

Secondly, this may be due to the fact that arriving at the destination, the main part of passengers due to emotional and physical position does not check their luggage at the railway station, at the airport, etc. (i.e. in the territory of operational service of internal affairs bodies in transport).

As a rule, passengers detect the loss at home or at place of stay, after a certain period of time. If the statement about the incident is submitted to the internal affairs bodies, it is in accordance with the part 2 of the article 152 of the Code of Criminal Procedure (the preliminary investigation place) at the place of residence or stay of the victim, i.e. the place of the crime detection or its consequences. Thus, the crime committed at the transport facility is not taken into account, its causes and conditions are not identified and eliminated, keeping the criminality of the situation.

Determinants related to the victimization of injured persons due to crimes committed at transport facilities are significant. Such determinants are most frequent in property crimes. Here victimization of injured persons is due to inattention, credulity, frivolity, imprudence, uncriticism, alcoholic intoxication, which occurred as a result of drinking alcohol with unfamiliar people, the excessive frankness, manifestation of gambling as a character trait, and other immoral, provoking and aggressive behaviour.

This type of determination should include the lack of awareness of citizens about the ways of committing crimes on transport, since the information work in this area of prevention is fragmentary.

A key element of the transport complex functioning is a person who manages vehicles or maintains them and transport infrastructure. The actions and behaviour of other participants in public relations arising in the transport sector are also important. The degree of transport security from criminal attacks (psychological determinants) depends on their personal qualities, qualification, skills, health, level of legal consciousness (everyday, professional, scientific) and legal culture.

The practical aspect of legal consciousness is realized in the behavioural function of the individual, his/her will in processing and reproducing legal beliefs, affecting the mechanism of mental regulation of behaviour. Sometimes in the process of social interaction, there are its deformations. The deformation of legal consciousness of public relations participants in the transport sector is a social phenomenon that carries the denial of the ideas of law that are important for transport security.

The degree of deformation causes the creation of conditions for the formation and implementation of criminal intent (negligence) in the field of activity of the individual [13].

IV. CONCLUSION

Thus, the analysis of official statistical data makes it possible to conclude that the activity of law enforcement bodies at the transport facilities of the Russian Federation to combat crime in recent years has contributed to the decrease in the absolute indicators of certain types of crimes, which reflects the positive trend of the current criminal situation.

At the same time, there is a noteworthy increase in certain types of crimes in 2018; new threats to law and order in transport, which not only complicates the criminal situation, but also predetermines the priority directions of preventive activity of law enforcement bodies, the need to take adequate and timely measures. Meanwhile, the legislator has not fully perceived such danger factors yet. Transport law enforcement policy is narrowly focused and it is specialized mainly on countering traditional crimes, the importance of which is not denied, but it should not exclude an adequate response to new threats.

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