

Ministry of Internal Affairs of the Republic of Moldova National Patrol Inspectorate



CRASH DATA SYSTEM OF MINISTRY OF INTERNAL AFFAIRS OF MOLDOVA

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Key topics

- Normative basis
- · Objects of evidence accident, vehicle, person
- Accident data
- Vehicle data
- Person data
- Indicative indicators for data encoding
- System reports/Report Templates
- System architecture
- System weaknesses





Normative basis

- Government Decision no. 693 from 21.06.2007 "On the approval of the Concept of Automated Information System "State Register of Road Crashes" - defines the purpose and objectives of the System, the tasks and functions performed by the System, the organizational structure and the legal-normative basis, the description of the information objects and the accumulated data, the technological infrastructure and the measures for ensuring the information security;
- ❖ The Joint Order of the Ministry of Internal Affairs, the Ministry of Transports and Road Infrastructure, the Ministry of Health, the National Bureau of Statistics, no.335 / 224/827/81 of 26 October 2016 "On road traffic accidents evidence" – approves:
- 1) road accident record sheet (Form no.1); Vehicle record sheet (Form no.2); Person participating in the accident record sheet (Form no.3);
- 2) Indicative indicators for completing road accident record sheets, vehicles and participating persons record sheets;
- 3) Instructions on the recording of road accidents within: a) police bodies; b) road organizations; c) hospital institutions.

The Purpose Of The System

The present System is intended to provide the information support of the activity of the law enforcement bodies and other central administrative authorities with responsibilities in the field of ensuring the safety of road traffic by automating certain functions performed by them.

Objects of evidence - accident, vehicle, person

- a) Road accidents:
- serious accidents;
- mild accidents;
- accidents resulting in material damage only;
- b) vehicles involved in the accident;
- c) persons of the following categories:
- drivers;
- passengers;
- cyclists;
- pedestrians;
- people who suffered from the accident;
- drivers and owners of vehicles involved in the accident.





Objects of evidence - accident, vehicle, person

- The road accident record sheet (form no.1) shall be completed for each road accident to be recorded.
- The vehicle record sheet (form no. 2) shall be filled in for each vehicle involved in the road accident if:
- (a) the accident was caused by the fault of the driver, the passenger, the load or the structural component detached from the vehicle;
- (b) has been damaged as a result of the accident.
- The person participating in the accident record sheet (form no. 3) shall be filled in for each person participating in the accident, if the person:
- (a) is guilty of the occurrence of the accident;
- (b) suffered as a result of the accident;
- (c) is the driver of a vehicle for which a vhicle record sheet (form no.2) has been completed.

SECTION 1. IDENTIFICATION INDICATORS

- 1 Name of record body (ind.01)
- 2 Type of record sheet (ind.02)
- 3 Accident number (YYYYRBNNNN)
- 4 Registration mode (ind.03)
- 5 Record number
- 6 Date of road accident registration (DD MM YYYY)...
- 7 Type of evidence: State statistical record (1), assigned to another body (2), excluded from the record (3) (ind.06)





SECTION 2. Description of the accident

- 8 Road accident detection mode (ind. 04)
- 9 Date of road accident (DD MM YYYY). .
- 10 Day of the week (ind.05)
- 11 Time (HH.MM).
- 12 Short description of the accident (with text)
- 13 Type, category of road accident (ind.07)
- 14 Additional information about the accident (ind.08)
- 15 The type of maneuver performed in the road accident (ind.09)
- 16 Establishment of the accident author (Hit&Run) (ind. 10)

SECTION 3. Locating the accident

- 17 District Code (ind.01)
- 18 Administrative sector Code (ind. 11)
- 19 Location of the accident (ind. 12)
- 20 Road Index (ind.13)
- 21 Kilometer, meter of the road.
- 22 Locality Code (Ind 26)
- 23 Main Street (text / code)
- 24 Secondary street (text / code)
- 25 Building No., Block /
- 26 Type of intersection (index 50)

SECTION 4. Road conditions

- 27 Total width of the road section (M, cm).
- 28 Number of lanes
- 29 Wing width (M, cm).
- 30 Separation strip width (if any) (M, cm).
- 31 The width of the sidewalk (M, cm).
- 32 Separation of opposite lanes (ind.14)
- 33 Type of road cover (ind.15)
- 34 Condition of the road section (ind.16)
- 35 Enlightenment (ind.17)
- 36 Weather conditions (ind.18)
- 37 Plan and profile elements (ind.19)
- 38 Road constructive features (ind. 20)
- 39 Road belonging (ind.21)
- 40 The Roadway Organization (ind.22)

SECTION 5. The consequences of the road accident

- 41 Number of people involved
- 41.1 Number of persons involved in vehicles
- 41.2 Number of persons involved outside the vehicles
- 42 Number of deceased persons
- 42.1 Number of deceased persons in vehicles
- 42.2 Number of deceased persons outside the vehicles
- 43 Number of seriously traumatized persons
- 43.1 Number of seriously traumatized persons in vehicles
- 43.2 Number of seriously traumatized persons out of vehicles

Number of traumatized persons

- 44.1 Number of traumatized persons easily in vehicles
- 44.2 Number of traumatized persons slightly outside the vehicles
- 45 Number of victims identified
- 45.1 Number of identified victims in vehicles
- 45.2 Number of identified victims outside the vehicles
- 46 Number of cars involved
- 47 Number of damaged cars

SECTION 6. Causes of road accident

- 48 The cause of the road accident (ind.23)
- 49 Factors that favored the accident (ind.23)

SECTION 7.Documentation of the accident

- 50 On-site research was conducted (ind.24)
- 51 The adopted decision (indent 25)
- 52 Number of the contraventional case
- 53 Number of the criminal case
- 54 Date of application of the decision (DD MM YYYY)
- 55 Date of filing (DD MM YYYY)

Function, name and signature of the employee who completed the record

Chief of the Police Inspectorate (signature)

SECTION 1. IDENTIFICATION INDICATORS

- 1 Name of record body (ind.01)
- 2 Type of record sheet (ind.02)
- 3 Accident number (YYYYRBNNNN)
- 4 Unidentified / identified vehicle
- 5 Vehicle subject to registration

SECTION 2. VEHICLE DATA

- 6 Vehicle identification number (IDNV)
- 7 Vehicle registration number (for registred vehicles)
- 7.1 Type of vehicle registration number (for registred vehicles)
- 8 VIN Code
- 9 Vehicle Make (ind.28)
- 10 Year of manufacture
- 11 Color (text)
- 12 Payload
- 13 Number of seats
- 14 Engine number
- 15 Cylindrical capacity
- 16 Chassis number
- 17 Vehicle type (ind.29)

SECTION 3. DATA OF THE VEHICLE REGISTRATION CERTIFICATE

- 18 Type of registration certificate (ind.45)
- 18.1 Series of registration certificate
- 18.2 Number of the registration certificate
- 18.3 Release Date (DD.MM.YYYY)

SECTION 4. DATA ON THE INVOLVEMENT OF THE VEHICLE IN ACCIDENT

- 19 Number of deceased persons in the vehicle
- 20 Number of traumatized persons in the vehicle
- 21 Distance from rear wheel to border (m, cm)
- 21.1 Distance from the rear wheel to the reference point (m, cm)
- 21.2 Distance from front wheel to border (m, cm)

SECTION 5. OWNER DATA

- 22 Physical person or corporation
- 23 Type of owner
- 23.1 Name
- 23.2 First name
- 23.3 Patronymics
- 23.4 IDNP
- 23.5 Date of birth (DD.LL.AAAA)
- 23.6 Place of birth (ind 026)
- 23.7 Town Code (Ind 26)
- 23.8 Street name (text / code)
- 23.9. Building/block No
- 23.10 Apartment No
- 23.11 Contact phone
- 24 IDNO (fiscal code of the legal person)
- 24.1 Name of the enterprise
- 24.2 Legal address / telephone
- 25 Affiliation (ind.33)
- 26 Central Administrative Authority (ind.34)

SECTION 6. VEHICLE OPERATION PARTICULARITIES

- 27 Used with or without trailer
- 28 Vehicle Destination (ind.30),
- 29 Typological characteristics (ind.31)
- 30 Detected technical failures (ind.32)
- 31 Supporting the Periodic Technical Inspection (ind.47)
- 32 Series of periodical technical inspection
- 33 The number of the state technical control badge
- 34 The tachograph series
- 35 Number of the tachograph
- 36 Number of tachograph sealing number

Function, name and signature of the employee who completed the record Chief of the Police Inspectorate (signature)

SECTION 1. IDENTIFICATION INDICATORS

- 1 Name of record body (ind.01)
- 2 Type of record sheet (ind.02)
- 3 Accident number (YYYYRBNNNN)
- 4 Unidentified / Identified Person

SECTION 2. IDENTIFICATION DATA OF THE PERSON

- 5 Name
- 5.1 Surname
- 5.2 Patronymic
- 5.3 Sex: male (1), female (2), (ind.35)
- 5.4 IDNP (Personal ID)
- 5.5 Date of birth (DD.MM.YYYY)
- 5.6 Age (YY.MM).
- 5.7 Place of birth (ind 026)

SECTION 3. DATA OF THE IDENTITY DOCUMENT

- 6 Type of identification document (ind.44)
- 7 Identification document series
- 8 Number of the identification document
- 9 Release Date (DD.MM.YYYY)
- 10 Date Expired Document (DD.MM.YYYY)
- 11 Issuing authority of the document (ind. 34)

SECTION 4. DATA ON THE HOME AND EMPLOYMENT OF THE PERSON

- 12 Country (ind.36)
- 13 Home Code (ind.01)
- 14 Town Code (Ind 26)
- 15 Street (text / code)
- 16 Building no., Block /
- 17 No. of the apartment /
- 18 Contact phone
- 19 Function Code

SECTION 5. DATA ON ACCIDENT PARTICIPATION

- 20 Accident Participant Category (Ind.38)
- 21 Additional information about the participant (ind.39)
- 22 Psychophysiological status (ind. 40)
- 23 Culpability (ind.41)
- 24 Breaches of Road rules committed (ind.42)
- 25 Applying Passive Security Means (ind.48)
- 26 Consequences for the participant (ind.43)
- 27 Hospitalization, the trauma character (text)

SECTION 6. DATA ON AUTHORIZATION OF TRAFFICKING IN THE AUTHOR

- 28 Type of driving license (Ind. 46)
- 29 Driving license series
- 30 Driver's license number
- 31 Date of issue of the permit (DD.MML.YYYY)
- 32 Expiration Date (DD.MM.YYYY)
- 33 Issuing authority of the document (ind 34)
- 34 Allowed Categories
- 35 Date of obtaining the category of the vehicle (DD.MM.YYYY)
- 36 Graduate Driver School (ind.49)
- 37 Series, certificate of professional competence number
- 38 Date of issue of the certificate of professional competence (DD.MM.YYYY)
- 39 Traineeship as a driver (YY.MM).

Function, name and signature of the employee who completed the record Chief of the Police Inspectorate (signature)

No.	Indicator name	Coded data (model)	The corresponding digital codes
1	Name of record body	Police Inspectorate Anenii-Noi (Briceni, Criuleni, etc.)	01-99
2	Type of record sheet	Initial sheet (specification / completion, withdrawal)	1-3
3	Registration mode	Information Register No. 1 (No.2)	1-2
4	Road accident detection mode	Directly by the police employee (communication of the involved persons, etc.)	1-6
5	Day of the week	Sunday (Monday, Tuesday,, unknown)	1-8
6	Type of evidence	State statistical record, assigned to another body, excluded from the record	1-3
7	Type, category of road accident	Vehicle and pedestrian accident (single vehicle accident, multiple vehicle accident)	1-26
8	Additional information about the accident	1. Information on the consequences of the accident (mild, serious accident, material damage only)	101-103
		2. Information about guilty participants (committed by pedestrian, cyclist, motorcyclist, etc.)	201-216
		3. Involved participants (child involvement, transport of persons, goods involvement, etc.)	301-316
9	The type of maneuver performed in the road accident	Moving forward (moving back, turn to right, etc.)	1-15

Indicator name	Coded data (model)	The corresponding digital codes
Establishment of the accident author (Hit&Run)	Self-identification (identified on-site, unidentified)	1-4
Location of the accident	1.Locality status (for accidents occurring in localities)	1-9
	2. Type of road in the locality	20-28
	3. The importance of the road outside the localities	31-36
	4. Other places in the absence of the road	41-44
Road Index	1. Highways (M1: Chişinău - Leuseni - the border with	10010-
	Romania)	10210
	2. Republican roads	20010-
	(R1: Chisinau-Ungheni-Sculeni-frontier with Romania)	20580
	3. Local roads (L1: M2 - access road to Miclesti village)	33130-
		36960
Separation of opposite lanes	Separation, marking is missing (Simple border demarcation, intersectable, non-intersecting mark)	1-5
Type of road cover	Asphalt-concrete (Cement-concrete, pebble, etc.)	1-6
Condition of the road section	Dry (Wet, Dirty, Muddled, Ice, etc.)	1-9
Enlightenment	Day, sunlight (Semi-dark, artificial illumination, etc.)	1-5
Weather conditions	Clear (Cloudy, Fog, etc.)	1-6
Plan and profile elements	Horizontal straight sector (Horizontal curve, Straight	1-6
	slope sector, etc.)	
	Establishment of the accident author (Hit&Run) Location of the accident Road Index Separation of opposite lanes Type of road cover Condition of the road section Enlightenment Weather conditions Plan and profile elements	Establishment of the accident author (Hit&Run) Location of the accident 1.Locality status (for accidents occurring in localities) 2. Type of road in the locality 3. The importance of the road outside the localities 4. Other places in the absence of the road Road Index 1. Highways (M1: Chişinău - Leuseni - the border with Romania) 2. Republican roads (R1: Chisinau-Ungheni-Sculeni-frontier with Romania) 3. Local roads (L1: M2 - access road to Miclesti village) Separation of opposite lanes Separation, marking is missing (Simple border demarcation, intersectable, non-intersecting mark) Type of road cover Asphalt-concrete (Cement-concrete, pebble, etc.) Condition of the road section Enlightenment Day, sunlight (Semi-dark, artificial illumination, etc.) Weather conditions Clear (Cloudy, Fog, etc.) Plan and profile elements

No.	Indicator name	Coded data (model)	The corresponding digital codes
20	Road constructive features	Pod (viaduct, estacade, tunnel, public transport station, etc.)	1-15
21	Road belonging	Ministry of Transport and Communications (Chisinau City Hall, other authorities)	1-3,99
22	The Roadway Organization	The road organization of local public authorities ("ExDrupo" of Chisinau mun., "Semafor Service" of Chisinau mun., "Drumuri Anenii-Noi" SA, etc.)	1-39
23	Factors that favored the accident	Speed overrides (Inadequate speed, Overturning, Other technical defects, Damaged road, etc.)	1-44
24	On-site research was conducted	Employed by the police (criminal prosecution officer, prosecutor)	1-8
25	The adopted decision	Applied contravention sanction (Initiated criminal prosecution)	1-6
26	Locality Code	Chisinau municipality (Chisinau city, Sangera Commune, Dobrogea Commune, TAU from the Dniester left side of, etc.)	0101000- 9879002

No.	Indicator name	Coded data (model)	The corresponding digital codes
27	Vehicle Make	GOODS VEHICLES (IJ, MOSCVICI, UAZ) BUSES (CAROSA, MERCEDES, CIAVDAR) PASSENGER CARS (MOSCVICI, ZIS, IJ, ZIM) MOTORCYCLE (MINSK-MMVZ, URAL, DNEPR) MOPED (CARPATI, VERHOVINA) GARDEN TILLERS (SZD, ZIM 350) LUGE WITH ENGINE	100000-5000000 600000-6990000 700000-7990000 900000-9060000 9110000-9920001 9130001-9130004 9140000
28	Reserved (not used)		
29	Vehicle type	Transport with animal traction (bicycle, moped, car, truck, coach)	1-39
30	Vehicle Destination	Passenger transport (up to 8 people, over 9 people, passengers and goods, etc.)	1-10
31	Typological characteristics	With trailer, semi-trailer (front, rear, etc.)	1-9
32	Detected technical failures	Braking system malfunctions (steering, wheel defects (riding, detachment))	1-10
33	Affiliation	Public property (private, mixed, with foreign participation)	1-5
34	Ministries and other central administrative authorities	Government (Ministry of Internal Affairs, Ministry of Environment etc.)	1-57
35	Sex	Male/Female	1-2

No.	Indicator name	Coded data (model)	The corresponding digital codes
36	Countries	MOLDOVA (EUROPA - AUSTRIA, ASIA - AFGANISTAN etc.)	1-136
37	Function code	Leaders of central public administration (local, other senior officials from specialized organizations, etc.)	1-474
38	Participant Category	Pedestrian (Cyclist, Bicycle Passenger, Scout Driver, Motorcyclist, Motorcycle Passenger etc.)	1-18
39	Additional information about the participant	Corresponds to the vehicle category (Does not fit in the vehicle category, Does not have a driving license)	1-9
40	Psychophysiological status	Normal (Disease, Tiredness, Influence of Medications, Drugs, Alcohol)	1-11
41	Culpability	Not guilty (Guilty)	1-2
42	Breaches of Road rules committed	exceeded speed (crossing the street in forbidden places)	1-39
43	Consequences for the participant	Not suffered (Killed, severely injured, easy injured)	0-3
44	Type of identification document	Driving license of MD (DL of the foreign citizen, ID card of MD, etc.)	1-6
45	Type of registration certificate	Plastic Certificate of MD (Provisional Certificate of MD, Old Model Certificate of MD, etc.)	1-5

No.	Indicator name	Coded data (model)	The corresponding digital codes
46	Type of driving license	Plastic DL of MD (Provisional DL of MD, Old Model DL of MD, etc.)	1-5
47	Supporting the Periodic Technical Inspection	Has not been inspected (Has been inspected)	1-2
48	Applying Passive Security Means	Not provided (Applied casket/seatbelts, not applied casket/seatbelts, etc.)	1-7
49	Graduate Driver School	External training (Professional School no.4 from Balti city, Professional School from Oknita city, etc.)	1-131
50	Type of intersection	Intersections in T (Y), Right angle intersections (oblique angle intersections, offset angle intersections, roundabout intersections, etc.)	1.1-1.2 2.1-2.5

System reports

- The System allows the compilation of statistical reports according to the following criteria:
 - by type of accident (single vehicle accidents, vehicle and pedestrian accidents, multiple vehicle accidents);
 - accidents according to the type of maneuver performed (changing the lane, changing the direction, overtaking, crossing the intersection);
 - accidents in urban areas in the streets section;
 - accidents outside urban areas by road category, kilometer, meter;
 - accidents after the production period (day of the week, hour of the day);
 - after the causes of production (unsatisfactory road conditions, technical failures of the vehicle, deviations committed by vehicle drivers or pedestrians).





Diagrama 1. Frequency of road accidents

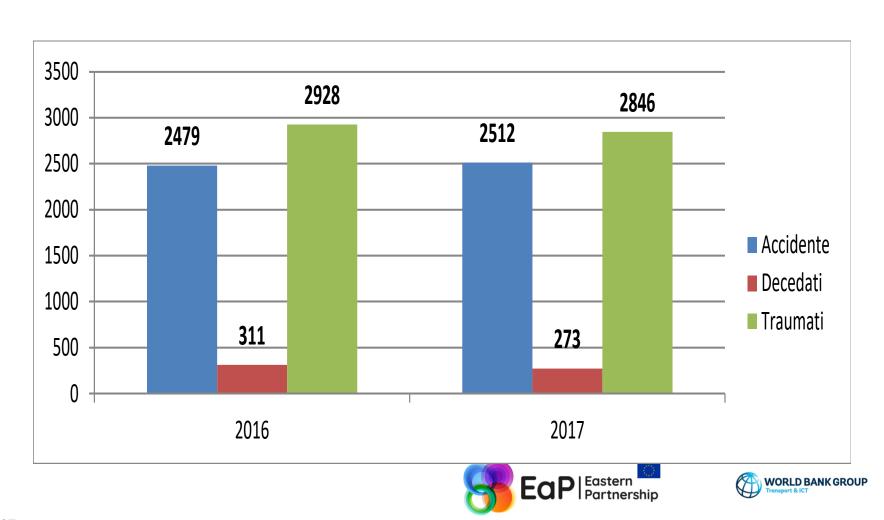
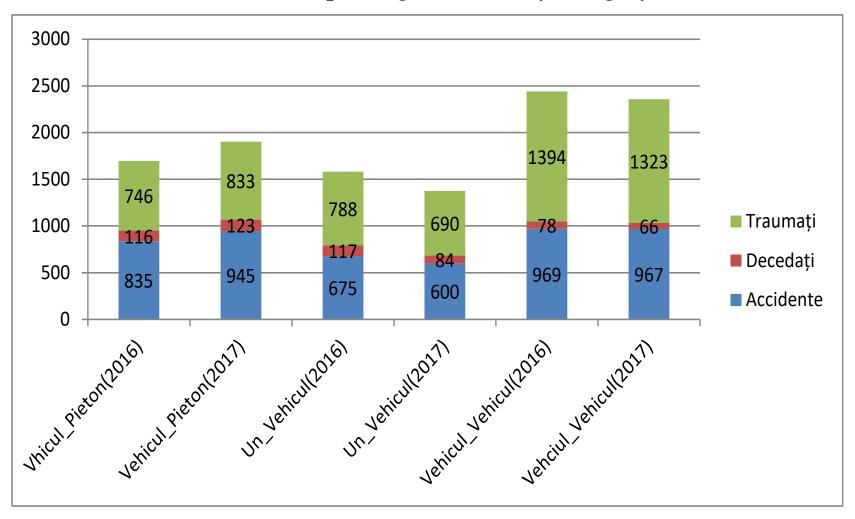


Chart 2. *Dispersing accidents by category*



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Table 1. Main causes of road accidents

Cuases of		2016		2017			
accidents	Accidents	Killed	Injured	Accidents	Killed	Injured	
Speed inadequate for visibility, conditions, road situation	702	140	816	662	131	748	
Not giving pedestrians priority	303	18	302	346	17	339	
Not giving other vehicles priority	414	8	577	346	9	502	
Failure to change the lane or direction of travel, incorrect turning	264	12	322	312	10	356	
Imprudent driving	115	19	128	96	22	93	
Driving drunk (including narcotics)	132	32	166	89	13	102	
Speed overrun	95	29	89	57	12	65	

Table 2. Distribution of accidents after months of the year

Months of	2016			2017			
the year	Accidents	Killed	Injured	Accidents	Killed	Injured	
January	173	18	210	185	18	229	
February	160	25	195	166	11	175	
March	167	20	184	180	18	215	
April	208	26	230	182	15	229	
May	206	25	246	222	25	242	
June	168	16	214	209	25	240	
July	206	25	260	204	26	219	
August	270	40	325	252	26	300	
September	236	27	264	239	25	246	
October	247	36	293	251	31	276	
November	240	27	272	226	30	246	
December	198	26	235	196	23	229	
Total	2479	311	2928	2512	273	2846	

Table 3. Distribution of accidents after weekdays

Weekday	2016			2017			
	Accidents	Killed	Injured	Accidents	Killed	Injured	
Monday	378	52	479	354	47	447	
Tuesday	348	44	416	372	53	416	
Wednesday	338	43	385	361	35	364	
Thursday	320	42	362	330	29	344	
Friday	329	37	391	333	32	356	
Saturday	380	48	431	415	35	484	
Sunday	386	45	464	347	42	435	
Total	2479	311	2928	2512	273	2846	

Table 4. Distribution of accidents after hourly intervals

		2016			2017		
Time slot	Accidents	Killed	Injured	Accidents	Killed	Injured	
00.00-06.00	232	56	273	235	56	284	
06.00-08.00	138	13	187	152	14	182	
08.00-10.00	238	17	266	242	11	291	
10.00-12.00	246	21	287	222	15	259	
12.00-14.00	254	19	286	266	19	279	
14.00-16.00	249	16	337	296	17	342	
16.00-18.00	351	48	412	347	33	375	
18.00-20.00	343	50	398	357	47	399	
20.00-22.00	254	41	286	253	35	277	
22.00-24.00	174	30	196	142	26	158	
Total	Total 2479 311 2928		2928	2512	273	2846	

Table 5. Distribution of accidents on the administrative sectors of Chisinau municipality

			2016 2017			Total General				
Record body	Territorial body	Acc.	Killed	Injured	Acc.	Killed	Injured	Acc.	Killed	Injured
mun.Chişinău	Botanica sec.(Ch)	240	14	282	315	17	351	31,25	21,43	24,47
	Buiucani sec.(Ch)	234	11	301	264	11	310	12,82	0	2,99
	Centru sec.(Ch)	237	8	273	268	9	285	13,08	12,5	4,4
	Ciocana sec.(Ch)	174	11	213	184	7	225	5,75	-36,36	5,63
	Rîşcani sec.(Ch)	281	13	337	303	17	333	7,83	30,77	-1,19
mun.Chişinău	Total	1166	57	1406	1334	61	1504	14,41	7,02	6,97

Table 6. Distribution of accidents on streets of Chisinau mun.

Street name	Accidents	Killed	Injured					
Sectorul Botanica								
Muncești	51	5	53					
Dacia	90	2	102					
Sarmizegetusa	16	1	15					
Gr. Botanică	12	2	10					
	Sectoru	ıl Buiucani						
Balcani	28	4	37					
Calea Ieşilor	22	1	28					
Ştefan cel Mare	47	1	50					
	Sector	ul Rîşcani						
Moscova	24	3	21					
Calea Moșilor	20	1	21					
Tudor Vladimirescu	13	1	15					
_	Sector	ul Ciocana						
Alecu Russo	26	2	40					
Mircea cel Bătrîn	25	1	30					
Vadul lui Vodă	30	1	36					
Sectorul Centru								
Ismail	53	2	54					
Hînceşti	24	1	27					
Calea Basarabiei	22	1	27					

Table 7. Accidents distribution according to type of road

	2016			2017			Total General		
Type of road	Acc.	Killed	Injured	Acc.	Killed	Injured	Acc.	Killed	Injured
Expressways (M-type)	54	27	69	61	17	78	14,81	-37,04	13,04
Local roads (L-type)	183	52	225	173	52	218	-5,46	0	-3,11
Highways (M-type)	85	23	125	84	11	100	-1,18	-52,17	-20
Republican Roads (R- type)	306	61	402	303	67	360	-0,65	14,75	-10,45
Total General	628	163	821	621	147	756	-1,11	-9,82	-7,92

Table 8. Public roads with high number of accidents

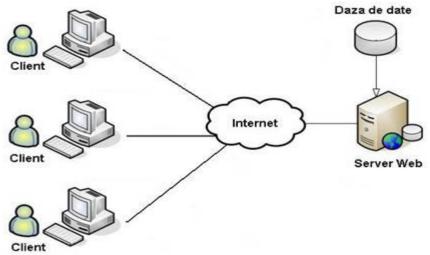
	2016 2017					
Road name	Accidents	Killed	Injured	Accidents	Killed	Injured
L638 (M 3 – Cişmichioi – Etulia)	18	5	15	34	5	31
M1 (Chişinău- Leuşeni-border with Romănia)	16	9	28	25	5	35
M14 (Brest- Briceni-Chişinău- Tiraspol-Odesa)	29	8	53	22	3	30
M2 (Chişinău- Soroca-border with Ucraina)	38	18	41	36	12	43
M3 (Chişinău- Cimişlia- Vulcăneşti- Giurgiuleşti- border with Romănia)	17	3	22	22	3	27
R1 (Chişinău- Ungheni-Sculeni- border with România)	33	11	40	37	5	40
R12 (Donduşeni- Drochia-Pelinia- M14)	11	1	10	10	3	13
R14 (Bălţi- Sărăteni-M2)	22	6	35	30	8	29
R2 (Chişinău- Bender)	23	1	29	30	5	36
R3 (Chişinău- Hînceşti-Cimişlia- Basarabeasca)	47	12	67	41	17	30
R30 (Anenii-Noi- Căuşeni-Ştefan Vodă-border with Ucraina)	17	2	16	19	8	24
R42 (Ungheni- Măcărești- Bărboieni)	4	1	9	8	2	8

System Architecture

The System is organized on the basis of Internet / Intranet web technologies.

The System is developed in the software development environment of MS Visual Studio .NET as well as the SQL Server database management system

The System Infrastructure is located in two levels: Central and Regional and is Client-Server type.



For access to the System, the user will only need an Internet browser such as: Internet Explorer 7.0+, Mozilla Firefox 2.0+, Opera 9.0+, Google Chrome.

Access to Police users will be performed via VPN channels.

System weaknesses

- 1) The System allows the storage of GPS coordinates at the scene of the accident, but this option is not used by police officers due to the lack of / insufficiency of special coordinate storage devices.
- 2) The System is a limited-access one, accessible only to authorized police users because it contains personal data. Regrettably, it does not provide a separate access role for extracting and viewing statistical data, this being merged with the role of inputting the information.
- 3) Another problem is that the company that developed the software is no longer present on the market, and the system maintenance is carried out by another enterprise, its software development capabilities being limited.

Thank you for your attention!