

**Minister of the Russian Federation  
on affairs of Civil Defence, Emergencies and  
Elimination of Consequences of Natural Disasters  
(EMERCOM of Russia)**

**NATIONAL EMERGENCY MANAGEMENT CENTER  
(FSBI NEMC)**



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**Federal State Budgetary Institution “National Emergency Management Center”** is the daily management body of the Russian Unified Emergency Rescue Service (RUERS).

The Center was established following the Order of the President of the Russian Federation of 23 October, 2008 №1515, the Order of the Government of the Russian Federation of 27 January, 2009 №43-p and the Order of EMERCOM of Russia of 4 March, 2009 №117.

The establishment and development of NEMC is conditional upon the growth of the task range of EMERCOM of Russia at the present period, the necessity of change to new management technologies and the increase of interdepartmental interaction efficiency.

The employees EMERCOM of Russia are performing heroic deeds practically every day. And it is very good that the Ministry activities are developing every day. As there is nothing more important than a person's life.

EMERCOM of Russia is one of the best administrative and at the same time human machines in the country which can solve very difficult tasks. EMERCOM of Russia has a special mission in our country and its reputation is the respected. It is like a hallmark, as the special quality seal.

National Emergency Management Center is a unique multilevel set of the new generation which is able to solve the coordination tasks, the operation control tasks, emergency relief.

One of the main priorities of the National Emergency Management Center is the acceleration and the optimization of activities on emergency response with the use of modern technologies.

The abilities of the FSBI NEMC allow holding the meetings of the Federal Operational Quarters on Emergency Relief on-line. In particular, during the elimination of the consequences of the military attack in South Ossetia, the Sayan Shushenskaya Hydro Electric Power Station accident the Heads of the Federal Ministries and Departments were discussing the problematic issues via video conference call with the operational groups who were working in the emergency area. This allowed to be quicker at making important management decisions and to be more efficient in big emergency relief operations.

**The main tasks of the FSBI NEMC are:**

Emergency monitoring and forecasting;

Information cooperation tasks aimed at providing safety of the population and territories on the Federal, Interregional and Regional levels;

RUERS forces management, organization and conducting interdepartmental cooperation while solving the tasks on emergency prevention and relief;

Establishment and constant development of the consistent contour of the Single State System of Emergency Prevention and Relief.

**From idea to its implementation**

In the end of 2006 the Government of our country set EMERCOM of Russia the task to take all the necessary measures and establish the National Emergency Management Center.

This task was done very quickly. Very soon the FSBI NEMC became the intellectual, spread in different territories complex which allows to promptly manage the forces and facilities of the Unique State System of Emergency Prevention and Relief, Civil Defence in critical emergency conditions.

At present similar centers have been created and function in a number of European States. However, there are no analogues to the Russian firmware set of decision making assistance, developed specially for the FSBI NEMC.

The FSBI NEMC information resources base consists of the modern reference-information Data bases available in any operating mode.

## **FSBI NEMC Possibilities**

Ø Conducting continuous monitoring of the territory of the country and the state of industrial facilities by means of the “Antistikhia”, Unified System for Basic Data on World’s Water, All-Russian Complex System for Informing the Population, “Tsunami”, the system of objective control of objects

**1** forecasting of the possible emergencies and calculation of the scenario of the possible natural and technogenic emergencies

**2** conducting video control for the state of critically important for the national safety facilities

**3** automatization of the data base management processes and the processes on emergency of any level prevention and relief

**4** automated information collection about the economic entities by means of Unified Duty Dispatch Service “112”, EMC RC and the subjects of the Russian Federation, issuing the classified information to the management

**5** automated informing of the population in case of a threat or any information about an emergency with an opportunity of a feedback in real time mode by using the All-Russian Complex System for Informing the Population

**6** organization of control and accompanying of the naval (river),above the ground, air deliveries on the territory of the Russian Federation as well as abroad with the use of the system GLONASS-GPS, controlling the delivery of the high-risk cargo, humanitarian aid cargo

**7** organization of the receiving and the transmitting of the data along all the networks on the territory of the Russian Federation as well as abroad

**8** automated development, preparation and presentation of suggestions to the management to make decisions

**The Building is designed and erected with the use of modern technologies in the filed of:**

-Construction

-IT-systems

-Security Systems

-Life-Safety Systems

**During the Construction works there were used:**

-15000 cubic meters of concrete

-Metal structures--100 tones

-9000 square meters of glass fixing elements (insulating glass unit)

**Building parameters:**

-Hight of the building is 49.875 m

-Number of floors, including the underground structures and the helicopter area is 15 floors

**Intellectual Security Center.**

**New technologies**

At present the work on the development of the so-called "brain"--automated system of management in emergency--is coming to an end. Different data bases have been collected, for example, on Forces and Facilities which can be engaged in the disaster relief, the data bases on potentially dangerous facilities an so on.

This information will enable to model the threats and emergencies, to develop warning variants, reducing the consequences of the situation and the elimination of possible emergencies. Thus, different scenario to role-play all sorts of management decisions are being prepared.

Furthermore, the information frame is being created where the information resources will be stored, including the already existent emergency relief plans on certain facilities, as well as the tool providing the search and moulding of the decision variant considering different circumstances (season, time of the day, weather) in the emergency area.

Further, depending on the situation, the prepared variant will be corrected or the executing team will be created which will allow to reduce the time for decision taking.

As soon as the relief actions are taken the description of the accident management works is recorded into the data base archives, so that the specialists will be able to refer to this experience in case a similar situation occurs.

For maximum efficiency the vertical of monitoring and management in the Subjects of the Russian Federation is created.

This algorithm is the aim in the territorial bodies EMERCOM of Russia: there exist and function their own crisis management centers which are a part of the FSBI NEMC system.

The specialists of these centers collect the information, generalize it, analyze, use it in their work, transfer it to the National Center and the interested Federal Executive Bodies.

### **Contents and Structure**

The FSBI NEMC consists of the following subdivisions of the EMERCOM of Russia:

- FSBI NEMC management, operational-analytical center, emergency response center, telecommunications center, space monitoring center, IT development center.

FSBI NEMC has the following in its organizations inferior to it:

- EMC of the regional centers EMERCOM of Russia, headquarters EMEROM of Russia in the city of Moscow and the Kaliningrad Region;

- EMC of the headquarters EMERCOM of Russia in the subjects of the Russian Federation.

EMERCOM of Russia conducts immediate management of the work of the FSBI NEMC, which means that the senior EMC EMERCOM of Russia coordinates the work of the subordinate EMC and duty dispatch services of its level.

FSBI NEMC conducts informational interaction with the crisis centers in other countries.

With the aim of informational interaction and to provide the work of the headquarters of the FSBI NEMC the following organizations are subordinate to it:

- the EMC of the regional centers EMERCOM of Russia;

- the duty service of the All-Russian Emergency Monitoring and Forecasting Center ("Antistikhia" EMERCOM of Russia);

- the duty service of the Center for Situational and Mathematical Modelling of Technogenic Emergencies and Catastrophes of the FSI All-Russian Scientific-Research Institute for Fire Defence;

- the duty service of the Center to provide decision making of the All-Russian Scientific-Research Institute for Civil Defence and Emergency Relief Problems EMERCOM of Russia, other expert organizations.

### **Emergency Response Center**

RUERS everyday management

EMC activities coordination, coordination of information centers, RUERS duty-dispatch services;

collection and processing of the information about emergencies, conducting accident management and other emergency works.

### **Operational-Analytical Center**

functional and territorial RUERS systems information analysis;

emergency occurrence and development forecast preparation'

providing informational exchange with the Federal Executive Bodies as part of RUERS;

modeling the possible emergency development based on the forecast.

### **Telecommunications Center**

The Center is aimed at management of the existent telecommunications EMERCOM of Russia, providing technical support of the automated informational-management system of the Unique State System of Emergency Prevention and Relief, providing telecommunications support to the leading staff and the officials of the Ministry.

### **All-Russian Complex System of Informing the Population**

All-Russian Complex System of Informing the Population in the places of mass gathering of the people is developed as part of the Federal Target Program "Risk Reduction and Consequences of the Natural and Technogenic Emergencies Relief in the Russian Federation up to 2010".

For the past two years in Moscow and St. Petersburg there have been created the points of street informing and warning of the population which are connected with the subsystems of information observation and collection, sound accompanying and informational security. At present, the points of informing and warning of the population exist in Moscow, St. Petersburg, Rostov-on-Don and Pyatigorsk. Moreover, the technologies like "flashing line" and the trial example of the mobile set of the All-Russian Complex System of Informing the Population on the "Gazel" vehicle have been accepted into operation.

The All-Russian Complex System of Informing the Population terminals will be installed in subways, at the stations, in the streets and in the supermarkets. The screens will be broadcasting the necessary information about emergencies which may occur, will show how to behave in this or that situation, how to render first aid to the injured and to oneself.

**The Head of the National Emergency Management Center is** Lieutenant-General Stepanov Vladimir Viktorovich

**The First Deputy Head of the National Emergency Management Center is** Colonel Miroshnichenko Sergey Alexeevich