







RESULTS OF THE ACCESSIBILITY AND INCLUSION ASSESSMENTS OF SOCIAL CARE INSTITUTIONS

SUMMARY REPORT

VINNYTSIA REGION

2022

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Vinnytsia region

SUMMARY REPORT

Charitable Fund "Right to Protection"

Project "Strengthening Civil Protection and Emergency Response Capacity in Ukraine"

Geography of the project: Chernivtsi, Vinnytsia, and Khmelnytskyi regions

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This summary report presents the results of the research and assessment of the accessibility and inclusiveness of social care institutions in the Vinnytsia region, conducted by CF "Right to Protection" during August – September 2022.

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SUMMARY

The project "Strengthening Civil Protection and Emergency Response Capacity in Ukraine" aims to improve the preparedness of authorities, participants of civil protection, first responders, social service providers, and community members to respond effectively to conflict-related emergencies.

The direct consequences of martial law on the territory of Ukraine caused challenges to civil protection and emergency response, including in regions where active hostilities are not taking place.

Within the project activities CF "Right to Protection" accessibility assessment was carried out and the inclusiveness of social care institutions in the Vinnytsia region. The assessment of social care institutions was conducted to identify barriers (problems) and improve living conditions and safe access to accommodation in institutions for vulnerable categories of the population, including IDPs and persons affected by the war. Also, one of the important criteria in conducting the research was the assessment of the convenience and safety of the use of protective structures.

CF "Right to Protection" during the implementation of the project focuses on the needs and priority issues of civil protection of Ukraine to strengthen the protective capacity and readiness of beneficiaries to respond to conflict-related emergencies.



INTRODUCTION

The Vinnytsia region is a region in the central part of Ukraine.

- The population of the region was 1529.1 thousand people (as of 01.10.2021).
- The total area is 26.5 thousand sq. km.
- The region consists of 6 districts, 63 territorial communities, and 1504 settlements, including 18 cities, 29 urban-type settlements, 130 townships, and 1327 villages.

Before the beginning of the full-scale military conflict in the territory of Vinnytsia region there lived 110.000 people who were assigned a disability group, including 41.786 war veterans (3.896 persons with disabilities as a result of war; 23.663 combatants, 8.080 war participants, 6.147 family members of deceased and missing-in-action war veterans). Among the war veterans who participated in the ATO/JFO, persons received the status of combatants — 18.818; persons with disabilities as a result of war — 806 persons; war participants — 35 persons; persons injured during participation in mass public protests — 37 persons, family members of the deceased persons during participation in mass public protests — 5 persons.

On the territory of the region, there were 63 family-type orphanages with 406 children, 126 foster families with 240 foster children, 1155 families of guardians/caregivers with 1584 orphans, and children deprived of parental care. On the registers of adopted children, supervision of living conditions, and upbringing of which are carried out by the service for children in the region, there were 722 children. In total on the registers of the service for children in the region, there were 2245 children without parental care, orphans, and children deprived of parental care.

As of October, 1, 2021, in the Vinnytsia region were registered 11.321 IDPs (8.241 families). Among the total number of internally displaced persons, there were 2.814 pensioners, 608 persons with disabilities, and 2.125 children.

Since the beginning of the active phase of the military conflict and a sharp increase in the flow of refugees, the Vinnytsia region has sheltered perhaps the largest number of IDPs from the territories where active hostilities are taking place. Due to IDPs, the population of the region increased by 13%. If now is a relatively stable period, at the beginning of the war Vinnytsia region was a huge transit, receiving almost 15.000 people every day.

The dynamics of growth of the number of IDPs, including persons with disabilities and children, in the Vinnytsia region during the calendar year is shown in Figure 1 below.

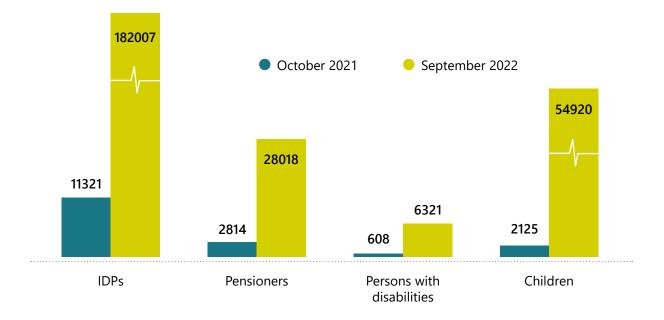


Figure 1. Growth of the number of IDPs in the Vinnytsia region

Support for IDPs is extremely critical. In the conditions of martial law, the question of the possibility of real protection of the rights of children who became victims of the military conflict and were left without parental care or are in difficult life circumstances has become acute. As of 16.09.2022, 142 children, who were left without parents, were displaced to 30 territorial communities of the region.

According to the Department of Social and Youth Policy of the Vinnytsia Regional Military Administration (hereinafter — RMA), as of 23.09.2022, the status of IDPs received 181.837 people. 4.432 IDPs live in 141 collective centers of the region and 177.405 IDPs are accommodated in the private sector, respectively. The subordinate communal institutions of the social protection system of the region accommodated 243 IDPs who, due to the aggravation of the situation in the east of our country, a real threat to life and health, were forced to seek shelter in the Vinnytsia region.

Currently, in the system of social protection institutions, there are 26 departments of inpatient care for permanent residence at the territorial social service centers and centers for the provision of social services, where 163 IDPs are located.

Data on the number of registered IDPs in the Vinnytsia region in the context of age and gender is shown in Figure 2 below.

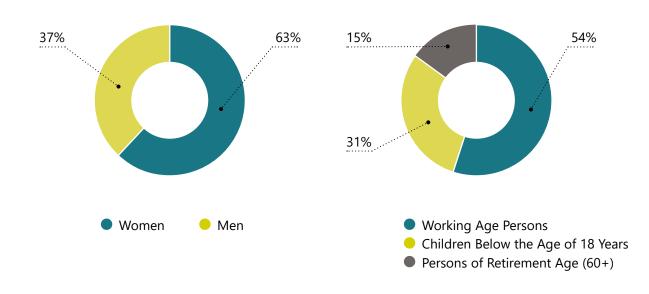


Figure 2. Gender and age distribution of IDPs in Vinnytsia region

METHODOLOGY

The research of 7 locations of social care institutions located in the territory of the Vinnytsia region was carried out before the preparation of the summary report and was ongoing for two months (during August-September, 2022) by the team of CF "Right to Protection".

Both the accessibility and inclusiveness of social care institutions were assessed in the context of:

Desk research:

- preliminary analysis of data (including statistical data) that are publicly available and which were provided by the authorities upon requests for public information;
- analysis of normative acts regulating the sphere of civil and social protection of the population, including international standards.

Field research:

- meeting with representatives of the authorities at the regional level;
- conducting visits to social care institutions and interviewing administration and staff;
- observation during visits to social care institutions (assessment of the external appearance and interior of the institutions).



Figure 3. The geographical location of the Vinnytsia region's social care institutions

In the course of the research, experts of CF "Right to Protection" attended 7 social care institutions in the territory of the region. The geographical location of the institutions is demonstrated in Figure 3.

Objects of research:

- 1) Stryzhavka orphanage, Stryzhavka Village;
- Vinnytsia regional center for social and psychological rehabilitation of children and youth with functional limitations "Obriy", the branch in the Village of Dorozhne;
- 3) Bratslav psychoneurological boarding house, Bratslav City;
- 4) Regional Center for Comprehensive Rehabilitation for Persons with Intellectual Disabilities, Kryshchyntsi Village;
- 5) Ladyzhyn orphanage, Ladyzhyn City;
- 6) Zhmerynka psychoneurological boarding house, Zhmerynka City;
- 7) Tyvriv Regional Boarding House for the Disabled and Elderly, Tyvriv Village.

THE RESEARCH PURPOSE

The purpose of the research is to determine issues and demands of social care institutions to improve living conditions and secure access to the accommodation of vulnerable groups of the population, including IDPs and war victims, and also comfort and security of their use of protective structures.

Within the framework of the project, an assessment was conducted in 7 social care institutions located in the Vinnytsia region, namely:

- 2 psychoneurological boarding houses;
- 1 Center for Comprehensive Rehabilitation for Persons with Intellectual Disabilities;
- 1 Center of social and psychological rehabilitation;
- 2 orphanages;
- 1 Boarding House for Persons with Disabilities and the Elderly.

These social care institutions were selected under the analysis of the needs of these institutions and according to the recommendation of the Department of Social and Youth Policy of the Vinnytsia Regional Military Administration.

At the time of the assessments (as of the end of September 2022) the number of residents (mentees) residing in the above institutions comprised (Figure 4).



Figure 4. Number of residents in social care institutions in the Vinnytsia region

RESEARCH OF SOCIAL CARE INSTITUTIONS. INCLUSION AND ACCESSIBILITY

All social care institutions evaluated are staffed with medical and service personnel according to the staffing table. If required, the residents (mentees) are forwarded for consultations to profile specialists at the nearest medical institution. Under the measures related to the prevention of the COVID-19 pandemic, routine vaccination has been performed.

Residential buildings of social care institutions comply with basic requirements of permanent long-term stay accommodation: cosmetic repair, furniture required, household appliances, etc. The institutions are equipped with shower cabins and hygiene rooms for people with special needs that provide them with a water supply and drainage according to the criteria of the Shelter/NFI Cluster Ukraine.

Places for storage of wheelchairs are defined in the institutions accommodating older persons and persons with reduced mobility. Electric plugs are placed at a lower level so that persons with disabilities or traumas could reach them.

Rails are placed along the walls of living premises for ease of movement. Ramps are installed in every institution housing mentees with low mobility using wheelchairs. In particular, the Ladyzhyn orphanage for such children has a playground. The premises are sufficiently spacious, which allows the residents (mentees) not only to sleep, live, and cook food but also to store personal belongings in a way that does not hinder their residential area.

Institutions accommodating visually impaired persons have Braille inscriptions in the rooms of common use and relevant marking on the floor, perceptible to the touch.





Leisure rooms are equipped with TVs and comfortable furniture.

Moreover, there is an option to practice needlework, drawing, embroidery, and other handicrafts if desired.

As a rule, the management of institutions is trying to accommodate for all various needs of persons with disabilities, therefore they are open to cooperation with humanitarian and charitable organizations, non-government organizations, and volunteers that provide material, technical, emotional, and rehabilitation support to residents (mentees). Assessment of accessibility and inclusion has been carried out to determine both barriers and ways of improving living conditions of vulnerable groups of the population, senior citizens, and persons with disabilities, as well as to determine the level of comfort and security of protective structures used in social care institutions of the Vinnytsia region.

Table 1 provides information on the capacity of the social care institution, the number of residents, including persons with disabilities and IDPs, availability of a protective structure (bomb shelters) on the territory of the institution, etc.









| | Information about the institution | | | | | | | | | | | |
|---|-----------------------------------|--|------|-------|-----|----------|---------------------|------|-----------------------------|--|--|--|
| Name of the institution | Potential of the institution | Potential of the protective structure (bomb shelters | Fact | Women | Men | Children | Older persons (>60) | IDPs | People with disabilities | | | |
| Stryzhavka orphanage | 45 | 60 | 11 | 8 | 3 | 0 | 3 | 11 | 5 | | | |
| Vinnytsia regional center for social and psychological rehabilitation of children and youth with functional limita- tions "Obriy" | 150 | 200 | 160 | 80 | 80 | 151 | 0 | 24 | 160 | | | |
| Bratslav psychoneurological boarding house | 205 | 200 | 206 | 176 | 30 | 0 | 0 | 8 | 206 | | | |
| Regional Center for Com- prehensive Rehabilitation for Persons with Intellectual Disabilities | 80 | 60 | 23 | 13 | 10 | 0 | 0 | 0 | 23 | | | |
| Ladyzhyn orphanage | 140 | - | 116 | 58 | 58 | 5 | 0 | 0 | 116 | | | |
| Zhmerynka psychoneurologi- cal boarding house | 230 | 200 | 227 | 96 | 131 | 0 | 226 | 51 | 108 | | | |
| Tyvriv Regional Boarding House for the Disabled and Elderly | 310 | 344 | 319 | 166 | 153 | 0 | 15 | 22 | 319 | | | |

Table 1. Summary information on social care institutions of the Vinnytsia regionthat have been assessment

RISKS FOR VULNERABLE GROUPS OF THE POPULATION CAUSED BY THE ESCALATION OF THE MILITARY CONFLICT. ACCESSIBILITY OF PROTECTIVE STRUCTURES

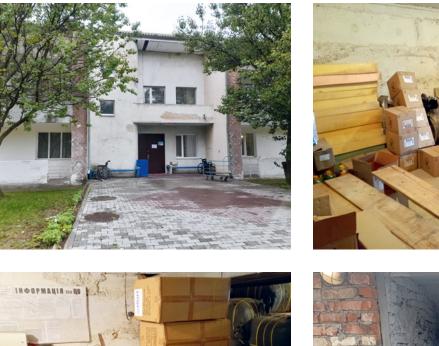
The Model provision on a boarding house for senior citizens approved by the Order of the Cabinet of Ministers No.772 dated 02.09.2020 and Model provision on a psychoneurological boarding house approved by the Order of the Cabinet of Ministers No.957 dated 14.12.2016 did not provide for the requirements on the obligatory availability of a civil protection structure nearby or at the territory of a social care institution. But under conditions of the military conflict and the beginning of active military action in the territory of Ukraine, the matter of secure stay at social care institutions determines the need of equipping protective structures (simplest shelters) to secure the life of mentees and service personnel.

Simplest shelters mean fortified structures, ground floor or basement premises, mine workings, caves, and other natural cavities that reduce exposure of people to dangerous effects of disasters and of means of destruction during a particular period of time.

At the time of the research special attention was paid to the availability of a protective structure in/nearby the social institution and its readiness to be used with the purpose required, equipment, and provision with all supplies and appliances required.

Of the inspected institutions, one, namely the Ladyzhyn orphanage, does not have any possibility to equip the simplest shelter. The orphanage occupies the premises of a former children's camp, in which the project did not provide for basements, there are no semi-basements or the ground floor. The buildings were erected on the







banks of the Southern Bug River, where an artificial embankment was made to reduce the angle of inclination of the surface.

Taking into account the specifics of the residents (out of 116 mentees 100 is with severe disabilities, bedridden), the management of the institution and the staff during an emergency related to the conduct of hostilities, have the only opportunity to reduce the degree of danger — by using the principle of "two walls".

The best equipped was the fallout shelters, which has been preserved since

the Soviet times under one of the buildings of the Tyvriv regional boarding house for the disabled and elderly. The room is dry. A supply of drinking water has been made, places for seating have been prepared, wheelchairs are available for sedentary patients, there are beds, and radio communication has been installed.

Other social care institutions use the opportunity to transform basements located under buildings at the territory of the institution into protective structures. Shelter capacity is calculated based on the







number of mentees and service personnel at the workplace.

Governments take full responsibility for the protection of all individuals in their territories regardless of their legal status, be it internally displaced persons or members of hosting communities, and also to provide civil order and safety from threats.

Humanitarian organizations should advocate for the national authorities to

perform their functions related to the reduction of vulnerability to threats and easing of any destructive consequences of the initial displacement cause.

Under the conditions of the absence of dedicated financing, the management is making every effort to set up shelters using any options and methods (within the limits of current legislation).

At the same time special attention was drawn to the fact that not only bomb shelters should be set up as required but practical training for service personnel and residents/ mentees (if possible) on actions in case of air raid alerts should be carried out. Such pieces of training must be held regularly, so that each person in charge, every employee should have a clear understanding of what must be done, and where people should be going in case of a critical situation.

CONCLUSIONS

Humanitarian crises have different effects on every individual depending on gender, age, physical limitations, and other individual characteristics. Senior citizens and persons with disabilities are usually overlooked at the time of humanitarian aid provision and humanitarian response, which makes it more difficult for them to obtain access to the assistance and protection they require. The humanitarian principle of impartiality meaning the provision of support based on demands and absence of discrimination requires that organizations working in the field of emergency assistance remove the obstacles so that persons with disabilities and senior citizens are not excluded from humanitarian response action on purpose or by negligence.

At the duration of the study experts of the CF "Right to Protection" have defined the list of basic needs for adherence to humanitarian standards concerning persons based in social care institutions of the Vinnytsia region. The general needs most often mentioned by the management of the institution are equipment and appliances for setting up a protective structure, namely: fire extinguishers, loudspeakers, bio-toilets, benches, stretchers, beds, mattresses, blankets, pillows, electric blankets, flashlights, containers for storage of food products, thermos flasks for hot food, containers for drinking water, containers for technical water.

Data about appliances and equipment required for setting up protective structures and increase of the residents' (mentees') security level in case of a disaster occurrence or threat in social care institutions where the assessment was carried out is demonstrated in Table 2.

To improve the quality of condition of stay in certain institutions, multifunctional beds, mattresses, blankets, pillows, bed linen (sets), wheelchairs, walkers, and lifts to the second floor are required. None of the institutions has a vehicle specially equipped for the transportation of persons with special needs. Also printed visual information is missing.

People are the main aspect of humanitarian activity. The priority motivation in assistance to victims is to save a life, relieve suffering, and protect the right of a human to a dignified life.

Due to the specifics of social care institutions research, the issue of supplies of WASH component products (diapers, wet wipes, sanitary pads, including urological, hygienic sheets, hygienic sets (shampoo, shower gel, toothpaste, liquid soap), household detergents (washing detergents, disinfectants, laundry detergents), rubber gloves are always in demand.

Table. 2. Summary information about appliances and equipment required for setting up protective structures in social care institutions of the Vinnytsia region where the assessment was carried out

| | Equipment and devices for equipping a protective structure, pcs | | | | | | | | | | | | | | | | | |
|---|---|--------------|-------------------------|----------------------|-------------|---------|-----------|--------------|------|------------|----------|---------|-------------|----------------|-------------------------|----------------|---|--|
| Name of the institution | Fire extinguishers | Loudspeakers | Portable radio stations | Reflective bracelets | Bio-toilets | Benches | Stretcher | Folding beds | Beds | Mattresses | Blankets | Pillows | Flashlights | First aid kits | Food storage containers | Food thermoses | Water storage containers/ drinking water | Water storage containers/ technical water |
| Vinnytsia regional center for social and psychological rehabilitation of children and youth with functional limitations "Obriy" | - | 2 | 2 | 20 | 1 | 5 | - | 5 | 5 | 5 | 5 | 4 | 2 | 3 | 1 | 2 | 3 | 3 |
| Stryzhavka orphanage | 10 | 3 | 3 | 200 | 2 | 50 | 5 | 50 | 50 | 50 | 50 | 6 | 6 | 8 | 10 | 5 | 10 | 10 |
| Bratslav psychoneurological boarding house | 4 | 3 | 3 | 250 | 0 | 50 | 2 | 30 | 50 | 50 | 50 | 6 | 8 | 6 | 5 | - | - | |
| Regional Center for Comprehensive Rehabilitation for Persons with Intellectual Disabilities | 0 | 2 | 2 | 30 | 1 | 0 | 0 | - | - | - | - | 4 | 2 | 3 | 2 | - | - | |
| Ladyzhyn orphanage | 0 | 3 | 3 | 20 | 0 | 0 | 0 | - | - | - | - | 4 | 4 | - | - | - | - | |
| Tyvriv Regional Boarding House for the Disabled and Elderly | 0 | 3 | 3 | 250 | 2 | 0 | 0 | - | 100 | 100 | 100 | 6 | 8 | 10 | 5 | - | - | |
| Zhmerynka psychoneurological boarding house | - | 5 | 5 | 350 | 5 | - | 10 | 300 | 300 | 300 | 300 | 10 | 12 | - | 10 | - | - | |

The needs for maintaining and ensuring an adequate level of sanitary and hygienic conditions in the facilities of the Vinnytsia region at the time of the survey are presented in Table 3.

| | WASH | | | | | | | | | | | |
|--|---------|-----------|--|-----------------|--------------|----------------------|---------------|--|--|--|--|--|
| Name of the institution | Diapers | Wet wipes | Sanitary pads, including urological | Hygienic sheets | Hygiene kits | Household detergents | Rubber gloves | | | | | |
| Vinnytsia regional center for social and psychological rehabilitation of children and youth with functional limitations "Obriy" | 10 | 20 | 50 | 10 | 11 | 6 | 0 | | | | | |
| Stryzhavka orphanage | 0 | 100 | 100 | 0 | 50 | 50 | 0 | | | | | |
| Bratslav psychoneurological board- ing house | 50 | 100 | 100 | 0 | 50 | 50 | 20 | | | | | |
| Regional Center for Comprehensive Rehabilitation for Persons with Intel- lectual Disabilities | 0 | 20 | 50 | 0 | 25 | 10 | 0 | | | | | |
| Ladyzhyn orphanage | 300 | 200 | 100 | 120 | 110 | 100 | 50 | | | | | |
| Tyvriv Regional Boarding House for the Disabled and Elderly | 120 | 100 | 200 | 110 | 100 | 50 | 20 | | | | | |
| Zhmerynka psychoneurological boarding house | 120 | 100 | 460 | 300 | 50 | 30 | 0 | | | | | |

Table 3. Summary information on WASH component products in the social care institution of the Vinnytsia region where the assessment was carried out

International humanitarian law, international law on human rights issues and international law on the protection of refugee rights establish the basic legal standards for the protection of individuals and groups, as well as the nature of the assistance that can be provided.

In each institution, the need for equipment to support the life of the institution in case of emergency — a generator or fuel for it (where a generator has already been purchased) was voiced.

Based on the received information, a comparative analysis of the needs of social care institutions of the Vinnytsia region was made, the results of which are shown in Figure 5.

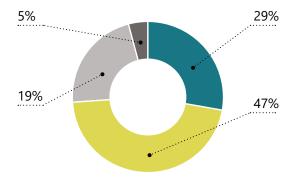


Figure 5. Needs of social care institutions of the Vinnytsia region

WASH component

- Equipment and appliances for the arrangement of protective structure
- Equipment and appliances for improvement of quality of stay at the institution
- Equipment to support the activity of the institution

RECOMMENDATIONS

For several decades, the United Nations has been developing and coordinating international policies and strategies for disaster risk reduction. In the past decades, the most significant documents in this area were:

- Yokohama Strategy and Plan of Action for a Safer World (1994);
- Hyogo Framework for Action (2005–2015): Building the Resilience of Nations and Communities to Disasters;
- Sendai Framework for Disaster Risk Reduction (2015).

The succession existing among these documents stems from the gradual introduction of the disaster risk matter to international agenda. The aforementioned global strategies of disaster risk reduction are aimed to implement a risk-oriented approach. This approach means shifting the focus of efforts from disaster response to disaster prevention.

Development and adoption of the Sendai Framework for Disaster Risk Reduction (SFDRR) became a logical development of the approach laid down in the previous documents. In addition, the SFDRR creates a basis for application of the "inclusive" approach at the level of the entire society, stressing upon the need to strengthen social cooperation and engage all institutions to reduce disaster risks. Presently, the SFDRR is the major international document defining the areas of efforts of international community aimed at disaster risk reduction for the period until 2030.

The Sendai Framework sets out four areas for action (priorities), which in their entirety form a risk-oriented approach. These priorities include:

Priority 1. Understanding disaster risks;

Priority 2. Strengthening disaster risk governance to manage disaster risk;

Priority 3. Investing in disaster risk reduction for resilience;

Priority 4. Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction.

The purpose of the project is to improve understanding of key participants' disaster response including those of military character, methods of cities/territories that have not been directly affected by the military conflict can prepare better for emergency situations associated with the conflict and to reduce the probability and/or effect of some of the worst scenarios, as far as possible. Therefore, to improve civil protection options and the readiness of regional authorities and communities of target areas to react to conflict-related disasters, including a mass influx of refugees/IDPs, the priorities are:

- To define the number of persons to be evacuated (including service and medical personnel) in case of disaster occurrence or threat of occurrence taking into account their special needs (children, senior citizens, persons with disabilities).
- 2) To draw up an individual evacuation plan in case of disaster occurrence or threat of occurrence for every social care institution taking into account the gravity of the residents' (mentees') condition, specifics of the institution structure layout, and its location in relation to potentially dangerous objects.
- To duly equip a sufficient number of protective structures for the population, including in/near locations of the mass presence of people.

The legal basis for the development of the Evacuation plan is the Constitution of Ukraine, the Code of Civil Protection, the laws of Ukraine "On Legal regime of the state of emergency", "On Rescue Services", " On the unified system of prevention and reaction to disasters of manmade and natural causes", decrees of the Cabinet of Ministers of Ukraine dated October 30, 2014 No. 841 "On approval of the Regulation of evacuation procedure in case of occurrence or risk of occurrence of risks of manmade and natural causes", No.192 dated February 15, 1999 "On approval of the Regulation on the organization of notification system and communication in case of disaster", orders of MES dated 06.09.2004 No.44 "On adoption of the Evacuation Planning Guidelines and procedure of evacuation of the population", dated 27.07.2005 No.102 "On adoption of guidelines on matters of planning and organizing transport support of evacuation activities in case of risk or occurrence of the disaster of manmade, natural and military causes".

The build-up of protective structures funds throughout the special period is performed using fast protective structures construction or equipment of simplest shelters. Equipment of simplest shelters allows for the provision of continuous stay of the population for a minimum of 48 hours. Guidelines for setting up and equipment for simplest shelters are provided in the Annex to the report.

ANNEX

RECOMMENDATIONS ON SETTING UP AND EQUIPMENT OF SIMPLEST SHELTERS

Requirements for external protective structures, materials used, space planning, and constructive solutions of buildings (structures, premises) that can be included in the protective structures fund as simplest shelters are not set by the legislation. At the same time to insure protective properties from the effects of regular means of destruction, it is crucial that supporting and external protective structures (walls, ceilings, floors) of the buildings (structures, premises) mentioned are made using reinforced concrete, bricks, or other stone material.

There is also an option of using buildings (structures, premises) made of other materials with the condition of their recess in the ground.

It is recommended that requirements on assuring the protection of the population are taken into account at the time of the inspection of buildings (structures, premises) — hereinafter construction objects — against the effect of disaster factors as follows:

- effect of shockwave in case of application of regular means of destruction and side effects of modern weapons of mass destruction;
- effects of regular means of destruction (small arms, fragments of hand grenades, artillery ammunition, and bombs);
- negative impact resulting from destruction (accidents) at other buildings, structures, and infrastructure systems which can lead to injury or death of the population to be subject to shelter;
- external ionizing radiation (in case of radioactive pollution of the territory).

In order to assure the protection of the population from dangerous disaster factors and the organization of life support, construction objects must comply with the main requirements as follows:

- to be located in the basement (underground) or semi-basement floors, with an option of being located in the ground floor (in case of provision of protective construction of relevant protective properties or an option of additional measures aimed at their improvement);
- 2) to be located in the premises of the main structure of an institution or at the nearest proximity;

- not to be located near large reservoirs with dangerous chemical, highly flammable, combustible, and explosive substances, water, and sewage pipelines destruction thereof could lead to injury or death of employees and mentees;
- not to suffer from the negative impact of ground, surface, industrial, or wastewater;
- provided with electricity, artificial lighting, water supply, and sewage systems. In case water supply and sewage are unavailable in construction objects, separate premises for the location of portable waste tanks should be provided;
- not to have large openings in external protective constructions, the existing openings (except doors) should have an option of being blocked (by bags of sand or soil, concrete blocks, bricks, etc);
- 7) have a minimum of two evacuation exits, one of which can be the emergency exit (in case of planning a shelter in the double-purpose structure or in the simplest shelter with a capacity of fewer than 50 persons one evacuation exist is permitted);
- 8) premises intended for the stay of the population to be sheltered should not have water supply and sewage pipelines and other main engineering communications (except for internal engineering networks of a building). Premises should have flat floors suitable for placement of benches, bunks, beds, and other options for sitting and laying;
- premises should not be used for storage of highly flammable, chemical and radioactive hazardous substances and dangerous equipment that cannot be dismantled within 24 hours;
- 10) the height of the premises of the object, specifically door openings should be not less than 2 meters (not less than 1.8 m is allowed if it was provided for by the project documentation for its construction), and in case of protruding parts of individual construction structures and engineering networks (except door openings), it should be not less than 1.4 m. The width of door openings should be not less than 0.9 m (not less than 0.8 m is permitted if it was provided for in the project documentation for its construction). Overlapping of door openings by construction structures or engineering communications is not allowed.
- 11) openings by entries (exits) are closed by reinforced doors made of inflammable materials (metal or wooden doors reinforced by metal) at a height of a minimum of 1.7 m.
- 12) main premises designed for the bomb shelter of the population have forced or natural ventilation;

- 13) free access is provided for persons with disabilities and other groups of population of low mobility, or there is another technical option of additional equipment for the provision of such access that can be possible to be installed within the term up to 24 hours;
- 14) the object is maintained in satisfactory sanitary and fire prevention conditions (according to the Fire Safety Regulations & Standards);
- 15) necessary protective properties for protection from regular means of destruction and external ionizing radiation required for anti-radiation shelters (dual-purpose structures) are insured. As a rule, necessary protective properties are provided by objects with a 2–2.5-brick wall thickness or solid reinforced concrete structures (blocks, panels) with the min. 56 cm thickness. Relevant protective properties are also provided by the layer of soil with 67–68 cm thickness (bags of sand (soil) placed across the construction (aisle).

In case the construction structure has a smaller thickness, it is possible to improve its protective properties through the additional placement of bags of sand (soil), placement of reinforced concrete structures (panels, blocks, etc), and/or using a combination of methods. In the case of recessed construction objects made of reinforced concrete or bricks, the upper part of which does not comply with the above recommendations, it is possible to improve their protective properties by placing bags of sand (soil), making a soil wall at the time of adjustment of basic shelters located at the objects mentioned to prepare them for appropriate use.

Identical methods of achieving the required level of protective properties are recommended for the construction of ground-based, semi-deep, and buried fortification structures that are intended for use as simplest shelters.

The capacity of both dual-purpose structures and simplest shelters is calculated as 0.6 sq. m of the area of the main premises (for the location of the population to be sheltered) per person. In case of a possibility of using 2-level bunk beds, the area can be reduced to 0.5 sq. m. per person.

Equipment of simplest shelter must allow for the continuous stay of the population in them within a minimum of 48 hours. For this purpose, simplest shelters are equipped with the:

- places for sitting (laying) benches, bunk beds, chairs, beds, etc. It is allowed to use goods available at the institution (chairs, benches, beds) for the accommodation of employees and mentees;
- containers for drinking water (calculated as 2 liters per day per person to be sheltered) and technical water (in case of absence of central water supply).

It is allowed to place the above containers in the main premises (for the accommodation of persons to be sheltered);

- containers for storage of food products;
- portable tanks which must be covered tightly for waste (for buildings and structures that have no sewage system) placed in specially designated premises;
- emergency artificial lighting (flashlights, candles, gas lamps, etc) and electricity;
- primary fire extinguishing means (under norms set for premises of relevant functional use);
- first medical aid kits;
- means of communication and notification (telephones, radio receiver, Internet network, it is recommended that Wi-fi devices are installed);
- entrenching tools (bayonet shovels, coal shovels, crowbars, axes, hacksaws for wood, metal, etc).

If possible, simplest shelters should be equipped with instruments and inventory according to the norms set for defensive structures.

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