



# SAFE AND SECURE SOCIETY

ARMED FORCES

NATIONAL BORDER

SAFETY OF PEOPLE AND SOCIETY

DEVELOPMENT OF THE LAW ENFORCEMENT

INFORMATION SECURITY

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**GOAL 7.** Ensure human and societal security through strengthening national defense capacity, protecting human rights and freedoms, preserving social order and safety of the living environment of citizens, and reducing disaster risks.



## ARMED FORCES

**OBJECTIVE 7.1. Strengthen the country's defense system and enhance its capacity.**

### THE OBJECTIVE'S STAGES OF IMPLEMENTATION AND EXPECTED RESULTS

#### STAGE I (2021-2030)

**The period to strengthen the defense system, introduce technological advances and develop the defense industry.**

1. Strengthen local defense systems and enhance defense capabilities.
2. Upgrade armaments of the armed forces, military and special machinery and equipment, and increase the capacity of the armed forces to perform duties.
3. Improve the legal environment and planning process for mobilization, and increase number and quality of personnel in the mobilization reserve.
4. Increase the participation and capacity of the armed forces in United Nations peacekeeping missions and in the country's development.
5. Ensure a sustained growth of defense budget, develop the production of certain types of armaments and technical parts, and thus meet domestic demand.

#### STAGE II (2031-2040)

**The period to strengthen professional and competent armed forces.**

1. Increase the capacity of designated local defense units to perform their duties.
2. Develop professional, mobile and highly maneuverable armed forces.
3. Domestically produce the resources needed to implement the mobilization plan, and ensure the independence of the supply of certain products.
4. Enhance participation and capacity of the armed forces in peacekeeping missions.
5. Transform the defense budget from consumption budget to development budget, and fully provide customers and consumers with comprehensive services and products of the defense industry.

#### STAGE III (2041-2050)

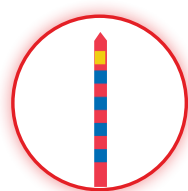
**The period to strengthen an integrated defense system.**

1. Ensure preparation of basic measures of local defense in peacetime and wartime.
2. Fully enhance the ability of armaments and equipment of units and organizations of the armed forces to perform combat and other duties.

3. Create the resources needed to implement the mobilization plan, and increase preparedness capacity.
4. Provide the armed forces with professional human resources that are highly capable to play a multifaceted role in peacekeeping missions, and build their capacity to perform duties anywhere in the country and in the region.

### ACTIVITIES TO BE IMPLEMENTED IN 2021-2030 OF THE OBJECTIVE

- 7.1.1. Develop a curriculum for military-patriotic education at all educational levels and establish special classrooms.
- 7.1.2. Strengthen the capacity and training system to conduct basic local defense operations in peacetime and to ensure the readiness of designated local defense units.
- 7.1.3. Accumulate local defense resources and establish integrated information system.
- 7.1.4. Increase the number of highly qualified ground forces, units and branches with qualified permanent personnel and high potential for movement, fire and strike, and provide the necessary equipment and tools to increase the carrying capacity and transport capabilities of the armed forces.
- 7.1.5. Develop the air force command, increase the ability to control air borders and airspace and protect the country's critical and strategically important facilities, and establish a new anti-aircraft missile, a radio engineering and a radio electronic combat unit.
- 7.1.6. Provide units of the armed forces with special armored and runnable vehicles and equipment.
- 7.1.7. Upgrade tools of military command, communications and information, and increase their capabilities to ensure security and combat cyber-attacks.
- 7.1.8. Develop and implement long-term and medium-term defense resource management policies to create mobilization resources.
- 7.1.9. Establish regional mobilization training centers.
- 7.1.10. Provide peacekeeping units and branches with modern armaments and equipment, and deploy quick reaction forces, infantry battalion and engineering company of the armed forces to support peacekeeping missions.
- 7.1.11. Create training environment and deployment opportunities for the human resources to operate in the United Nations peacekeeping missions and in leadership positions in the international military commands.
- 7.1.12. Include provisions for the sustainable increase of defense budget in the Law on budget, and legislate its share in the state budget expenditures.
- 7.1.13. Improve the legal environment for development of the defense sector innovation system, identify its priorities, establish a gradual training system for qualified engineers and technicians and include them in fellowship programs.
- 7.1.14. Establish a technology incubator, technology transfer center, ecosystem and science park suitable for the defense sector, and design and test some defense and civilian products.
- 7.1.15. Increase revenue sources of the armed forces development fund and use the fund to finance projects and programs.



## NATIONAL BORDER

**OBJECTIVE 7.2. Ensure the inviolability of the state border and the security of the border area, develop the border military structures and increase the border protection capacity.**

### THE OBJECTIVE'S STAGES OF IMPLEMENTATION AND EXPECTED RESULTS

#### STAGE I (2021-2030)

**The period to create an integrated system of border security, develop a regional border protection, introduce communications, armaments, technical and technological advancements, and enhance the infrastructure.**

1. Streamline the international treaties and agreements on border issues.
2. Enhance the capacity of border troops and remodel the border protection tactics tailored to regional specifics.
3. Introduce modern integrated system of communications, armaments, equipment, alarm, control and security and practices in state border protection, border security and checkpoint activities, and enhance the preparedness of the service.
4. Renovate at least 50 percent of engineering, technical facilities, buildings and infrastructure of state border protection.

#### STAGE II (2031-2040)

**The period to strengthen the border protection service based on skilled border guards and technologies.**

1. Strengthen the management and control systems in line with regional border protection.
2. Strengthen the specialized border service.
3. Introduce innovations of artificial intelligence and inspection technologies in state border protection, and improve the border security and checking capability.
4. Renovate at least 70 percent of engineering, technical facilities, buildings and infrastructure of state border protection.
5. Improve social protection of border guards in accordance with regional specifics.

#### STAGE III (2041-2050)

**The period to strengthen the border protection capacity to the level of similar foreign organizations and neighboring countries.**

1. Strengthen an electronic technology-based border protection and ensure its reliability and promptness.
2. Improve constant preparedness and capacity of the border protection service.
3. Completely renovate engineering and technical facilities, buildings and infrastructure of state border protection.
4. Bring the border protection capacity to the level of similar foreign organizations and neighboring countries.

### ACTIVITIES TO BE IMPLEMENTED IN 2021-2030 OF THE OBJECTIVE

- 7.2.1. Improve international treaties and agreements on border issues to which Mongolia is a party and conduct joint inspections along the border.
- 7.2.2. Develop the structure of the border troops, intensify the implementation of the "Regional border protection" program, and create a structure and supply system in line with modern trends.
- 7.2.3. Update Mongolia's border protection rules to adapt border protection methods and tactics to regional specifics and introduce comprehensive measures to detect and suppress border violations and cross-border crimes.
- 7.2.4. Establish new detachments and outposts in remote border areas and increase the density of border protection.
- 7.2.5. Establish a Mongolian border protection control center based on modern advanced techniques and technologies and transfer it for border protection.
- 7.2.6. Develop an aerial surveillance system to protect the state border and use satellites for border protection.
- 7.2.7. Introduce and provide modern military communications, armaments, equipment, technology, alarm, control and protection systems and methods for state border protection, security and activities of border checkpoints.
- 7.2.8. Connect border checkpoints to high-speed fiber optic networks.
- 7.2.9. Gradually introduce modern inspection equipment and advanced technologies in economic cooperation zones and border checkpoints, and increase the border crossing capacity.
- 7.2.10. Introduce intelligent electronic gateways based on biometric data into the checkpoint service.
- 7.2.11. Establish new checkpoint units and branches at border crossings where air and rail infrastructure has been created.
- 7.2.12. Establish a new specialized border guard training center.



- 7.2.13. Connect a certain percentage of border detachment, outpost, guard and checkpoint buildings to the central power line in accordance with the regional border protection policy.
- 7.2.14. Renovate engineering and technical facilities, infrastructure and buildings for state border protection and establish a unit responsible for this.
- 7.2.15. Ensure the safety of citizens living in the border area.
- 7.2.16. Improve the social protection of border guards.
- 7.2.17. Develop and implement a "Facility Renovation" program for state border protection.

## NATIONAL BORDER

**ENSURING INVIOABILITY OF STATE BORDER AND SECURITY OF  
BORDER AREAS AND IMPROVING BORDER PROTECTION SERVICE TO  
INCREASE BORDER PROTECTION CAPACITY**



## SAFETY OF PEOPLE AND SOCIETY

**OBJECTIVE 7.3. Enhance the capacity to reduce, prevent and mitigate the potential risks of non-traditional threats and increase the safety of people and society.**

### THE OBJECTIVE'S STAGES OF IMPLEMENTATION AND EXPECTED RESULTS

#### STAGE I (2021-2030)

**The period to strengthen the capacity to prevent and mitigate the potential risks of non-traditional threats and increase the engagement of state, private sector, civil society organizations and citizens.**

1. Develop organization and capacity of law enforcement and special task-force agencies tailored to needs of various social groups and social development demands.
2. Improve legal environment for combating transnational organized crimes, introduce innovation-based technical and technological advancements in prevention and protection of citizens from crimes, implement comprehensive impact measures, and increase prevention capacity and crime detection.
3. Enhance local disaster protection capacity, strengthen its structure and fully determine the national disaster risk level.

#### STAGE II (2031-2040)

**The period to implement comprehensive policies, technical solutions and impact measures aimed at reducing risks and enhance international cooperation.**

1. Expand research centers based on scientific achievements, improve their capacity for analysis, and develop mutual understanding and cooperation between law enforcement agencies.
2. Expand international cooperation to strengthen national capacity to combat and prevent transnational organized crimes.
3. Strengthen national and local disaster risk assessment and disaster prevention capacity in urban planning, and build disaster-resistant infrastructure.

#### STAGE III (2041-2050)

**The period to enhance the capacity to overcome risks and increase the safety of people and society.**

1. Upgrade performance capacity of law enforcement and special task-force agencies to a level that allows them to compete internationally.

## ACTIVITIES TO BE IMPLEMENTED IN 2021-2030 OF THE OBJECTIVE

- 7.3.1. Protect thermal power plants that have not been transferred to internal troop's protection, water supply source facilities in some aimag centers and settlements and in high-density soums, and create conditions for the safety of citizens.
- 7.3.2. Develop the correctional system on a regional basis.
- 7.3.3. Gradually renovate local detention facilities, construct and commission new detention facilities in accordance with international standards.
- 7.3.4. Put into operation the complex of buildings and facilities of the "Educational segregated units", bringing the environment and conditions of imprisonment to a level that meets human rights.
- 7.3.5. Ensure the health and safety of citizens with basic diseases and disabilities prisoned and detained in correctional units, detention centers and "Educational segregated units", and create an environment and conditions that uphold human rights.
- 7.3.6. Ensure the implementation of national programs to prevent and combat transnational organized crime (economic crimes, cybercrime, drug and psychotropic substances trafficking, human trafficking, etc.), and stabilize international cooperation.
- 7.3.7. Expand advocacy to prevent children and women from becoming victims of sexual exploitation and human trafficking through partnerships with social organizations, the state and private sector.
- 7.3.8. Establish an integrated surveillance camera center in the capital city and local centers to prevent and suppress crime and violations, and develop information, communication and construction infrastructure in accordance with modern needs and requirements.
- 7.3.9. Strengthen the witness and victim protection system, establish a center to provide medical and psychological treatment and social services to drug users and addicts, and implement a comprehensive advocacy campaign for the public.
- 7.3.10. Build and operate a central sobering-up station in Ulaanbaatar and sobering facilities at each local police station.
- 7.3.11. Establish temporary shelters for the elderly and people with disabilities exposed to domestic violence, and information and counseling centers for victims of domestic violence.
- 7.3.12. Upgrade and improve the equipment used by police officers who are directly involved in combating crimes and maintaining public order.

- 7.3.13. Fully equip special task-force agencies and border checkpoints with modern techniques and equipment for the detection of narcotic drugs and psychotropic substances, establish structures and dog training centers to monitor raw materials (precursors), and create a unified database.
- 7.3.14. Strengthen the national capacity of local disaster protection councils to carry out professional disaster response activities, and gradually establish local emergency management units.
- 7.3.15. Improve the coordination of state resources, humanitarian aid and instrument preparedness, and enhance capabilities of search, rescue, damage repair and urgent recovery at the site of a disaster.
- 7.3.16. Develop methods, methodologies and models for disaster risk assessment for different types of hazards and conduct risk assessments.
- 7.3.17. Improve technical and technological updates based on innovation, strengthen and evaluate electronic evidence related to cybercrime, develop the ability to use artificial intelligence and expand international cooperation in this field.
- 7.3.18. Gradually organize bilateral cooperation, training and information exchange to expand the structure and staffing of transnational organized crime prevention and combat units, increase their capacity, and freeze and reclaim assets illegally exported as a result of such crimes.
- 7.3.19. Create disaster-resistant infrastructure in the capital city and densely populated cities by fortifying, expanding, rebuilding and sustaining critical urban infrastructure.
- 7.3.20. Introduce space and other advanced technologies, equipment and tools in disaster prevention, combating and protection activities, strengthen national disaster management capacity and bring it to the international level.
- 7.3.21. Develop disaster research, develop methods and technologies for estimating disaster damage and recovery needs, and develop disaster database and national disaster management.
- 7.3.22. Improve disaster risk reduction, vulnerability reduction, disaster risk prevention and insurance system.
- 7.3.23. Establish additional firefighting units in urban areas in accordance with standards, and introduce advanced technologies, new techniques and equipment in the field of fire detection and extinguishing.
- 7.3.24. Establish aviation units with law enforcement and special task-force functions and gradually supply helicopters.
- 7.3.25. Establish a logistics center for humanitarian aid.





## DEVELOPMENT OF THE LAW ENFORCEMENT

**OBJECTIVE 7.4. Improve legal environment of the law enforcement sector, support its development, improve working conditions, train skilled human resources and develop its competitiveness.**

### THE OBJECTIVE'S STAGES OF IMPLEMENTATION AND EXPECTED RESULTS

#### STAGE I (2021-2030)

**The period to strengthen legal environment and material base of the law enforcement sector and improve human resource capacity.**

1. Deepen legal reform, develop a system of training and specialization of civil servants in line with international standards, and create skilled human resources.
2. Strengthen development and management system of the sector, and systematically renovate buildings, facilities and infrastructure of agencies.
3. Improve structure and organization and strengthen the research base for the introduction of cutting-edge scientific technologies in the sector's activities.
4. Improve the capacity of equipment and human resources of forensic agencies.

#### STAGE II (2031-2040)

**The period to support the development of the law enforcement sector and strengthen the reliability and promptness of services provided to citizens.**

1. Introduce artificial intelligence-based technologies in the integrated legal information system and protection system of intellectual property rights.
2. Create legal environment to support innovation.

#### STAGE III (2041-2050)

**The period to develop national capacity based on high technologies and bring security closer to the level of developed countries.**

1. Introduce smart systems based on technological advances that reduce human involvement in the sector.

### ACTIVITIES TO BE IMPLEMENTED IN 2021-2030 OF THE OBJECTIVE

- 7.4.1. Improve the legal reform of the sector in accordance with the needs and requirements of social development.
- 7.4.2. Optimally resolve structural, organizational and staffing issues of the sector in line with changes in social relations and economic development.
- 7.4.3. Develop a system of training, retraining and specialization of personnel in accordance with international standards and create skilled human resources.
- 7.4.4. Increase in salaries and wages of personnel due to the growth of inflation in corresponding year and to the level of similar organizations in developed countries.
- 7.4.5. Develop prompt and accessible state services for receiving calls and information and for the elderly, disabled and other citizens, and ensure operational cooperation between the police, emergency management, judgment enforcement and ambulance offices.
- 7.4.6. Establish laboratories and factories upon studying the quality and standards of uniforms, weapons, special tools and equipment for personnel of the sector.
- 7.4.7. Gradually upgrade the supply of vehicles and special equipment in the sector.
- 7.4.8. Establish an "Electronic monitoring center" and develop a probation system in order to rehabilitate convicts, prepare them for release and ensure sentencing policy without segregation.
- 7.4.9. Expand a factory for printing citizen identity cards and passports and set up a domestic factory for their billets.
- 7.4.10. Gradually modernize the latest high-performance servers and equipment to strengthen the database of state registration organs and improve its storage.
- 7.4.11. Establish a training center with the ability to organize capacity building, specialization and internships for personnel of the sector and judgment enforcement offices.
- 7.4.12. Build a complex of an office building, a training center and a development center for the Intellectual Property Office and develop services that meet international standards.
- 7.4.13. Improve the working environment of legal aid centers and local state registration organs and forensic services, and increase access to services.
- 7.4.14. Increase prisoner employment by expanding production, improve its economic efficiency, and reduce the burden on the state budget.
- 7.4.15. Bring hospitals of special task-force agencies in line with international standards.
- 7.4.16. Organize training activities to provide non-formal legal education to citizens.

- 7.4.17. Increase funding and introduce modern technology, hardware and software for the research development.
- 7.4.18. Improve the storage and protection of documents in the national memory archives.
- 7.4.19. Discover and purchase documents related to the history and culture of Mongolia and stored abroad.
- 7.4.20. Establish a reserve database of the state registration database in another geographical location.
- 7.4.21. Strengthen capabilities of criminology, forensic medicine and specialized analysis, improve the skills of human resources, introduce technical and technological advances, and improve the conditions for analysis.
- 7.4.22. Introduce new analysis methods and techniques for analysis laboratories, develop DNA, chemical, physical and biological laboratories in accordance with international standards, and establish new mitochondrial and bacteriological laboratories.
- 7.4.23. Create a unified DNA database to use it to identify crimes that are subject to investigation or committed by covert methods, the perpetrators of which have not been identified.
- 7.4.24. Introduce and develop an artificial intelligence-based system in the integrated legal system and the field of intellectual property.
- 7.4.25. Improve the intellectual property control system.
- 7.4.26. Establish a special investment fund to support innovation in the sector and invest in start-up businesses, and create a legal environment for its functioning.
- 7.4.27. Develop the technological advances of the judgment enforcement offices through innovation.
- 7.4.28. Increase the science and innovation capacity of the University of Internal Affairs.
- 7.4.29. Introduce an electronic card system in the internal services of correctional units and organizations.
- 7.4.30. Introduce a registration and identification system with biometric data.
- 7.4.31. Introduce communication solutions based on the latest technological advances in telephone and mobile communications, and adapted to the specifics of police, internal troops and judgment enforcement offices.

Figure 7.1 Development of Law Enforcement





## INFORMATION SECURITY

**OBJECTIVE 7.5. Guarantee information integrity, confidentiality and accessibility for the state, citizens and private sector, and create its competitiveness.**

### THE OBJECTIVE'S STAGES OF IMPLEMENTATION AND EXPECTED RESULTS

#### STAGE I (2021-2030)

**The period to develop a legal environment for cyber security, and technology-based innovation and integration, and enhance the national capacity of risk management.**

1. Strengthen cyber security system.
2. Strengthen the capacity and infrastructure to study, own and use space technologies, and create national products and services based on space technologies.
3. Establish a system to support national production of information, technology and communication systems, hardware and software, reduce technological dependence, and strengthen the capacity to fight cybercrime and cyber-attacks.
4. Create an electronic database of state organs, strengthen their capacity to prevent the disclosure and loss of state and official secrets, and reduce the risk of crimes and violations of disclosures and loss of state secrets.

#### STAGE II (2031-2040)

**The period to develop innovation in electronic information and information technology and increase national capacity.**

1. Conduct an information technology research, introduce innovations, and develop safe products.
2. Establish a new national satellite communications network, develop the operation and control management of the national communications network, and ensure information security.
3. Ensure the security of electronic databases of state organs and their infrastructure, increase their capacity, and strengthen the system for developing information security solutions.
4. Increase the capacity to prevent the disclosure and loss of state and official secrets, to detect and suppress such violations.

#### STAGE III (2041-2050)

**The period to develop innovation in electronic information and information technology and enhance national capacity.**

1. Increase the capacity to protect national interests, to ensure and prevent information security of the state, citizens and organizations to a level that allows competing regionally and internationally.
2. Develop natural disaster warning systems, border and area monitoring, remote education and health services with the help of space technologies, and create benefits for the country's economy, security and business competitiveness.
3. Develop innovations by supporting achievements in the field of information and technology and by generating new knowledge, and bring security management capacity closer to that of developed countries.
4. Fully protect databases of state organs, and state and official secrets.

### ACTIVITIES TO BE IMPLEMENTED IN 2021-2030 OF THE OBJECTIVE

- 7.5.1. Develop a capacity to detect and suppress attacks on national information infrastructure, and combat cyber crimes.
- 7.5.2. Create a legal environment to ensure cyber security, strengthen its monitoring system, strengthen the ability to prevent cyber attacks and conflicts, and improve the ability of civil servants and citizens to use technological knowledge and innovations.
- 7.5.3. Expand information technology research, develop new products and services of knowledge-based innovation, soft and hard infrastructure, expand cooperation with international and regional organizations conducting research and analysis in the field of cyber security, and bring Mongolia's information security to the international level.
- 7.5.4. Intensify the activities of the national computer emergency preparedness team capable of combating attacks on national information and communication technology infrastructure and attempts to weaken economic and social capacity.
- 7.5.5. Create teams combating cyber attacks in organizations with critical infrastructure and train skilled human resources by amending relevant laws, rules and regulations to classify, identify and evaluate electronic information, detect vulnerabilities in state information and communication infrastructure and conduct regular risk assessments.
- 7.5.6. Strengthen the ability to reduce, prevent and respond to cyber security vulnerabilities.
- 7.5.7. Improve the ability of civil servants and citizens to use technological knowledge and innovations.
- 7.5.8. Expand information technology research, develop new products and services of knowledge-based innovation, soft and hard infrastructure.



- 7.5.9. Expand cooperation with international and regional organizations conducting research and analysis in the field of cyber security, and bring Mongolia's information security to the international level.
- 7.5.10. Strengthen the capacity to protect human rights and freedoms in the cyber environment by improving the public's e-knowledge and education through social networks, websites, television programs and articles, and by promoting the proper and cultural use of the internet.
- 7.5.11. Conduct research on new space technology-based start-ups, open bases for space tourism simulation, and take measures to launch satellite in cooperation with foreign countries and to attract investment to build a ground station.
- 7.5.12. Develop a university program to train national specialists in space technology, and establish and develop an institute of space science and high technology.
- 7.5.13. Expand the network to establish and coordinate the operation and control management of the national communications network using the national satellite communication satellite network, ensure its normal operation, and take comprehensive measures to ensure the security of state information.
- 7.5.14. Establish a laboratory to study space technology and launch a national satellite.
- 7.5.15. Strengthen competitive information and communication systems, hardware, software, national cryptographic production and information security solutions development systems.
- 7.5.16. Develop a public key infrastructure for digital signatures, make digital signatures available to the public, and ensure the confidentiality and protection of digital signature-based electronic services.
- 7.5.17. Expand the scope of the unified state information network (central and local), and improve and develop the information security system of state organs by fully involving state administrative organs in the protected internet and the internet networks.
- 7.5.18. Establish a computer emergency preparedness team to combat cyber attacks and conflicts by state organs, reduce vulnerabilities by monitoring the flow of information, and expand and modernize activities of the National Center for Cyber Forensic.
- 7.5.19. Create technical conditions to fully cover state organs and diplomatic missions of Mongolia abroad in special purpose networks, introduce cipher communications, and monitor the use of special purpose radio frequency bands and the interaction between frequencies.
- 7.5.20. Expand and upgrade the shortwave radio network and mobile communication centers connecting the capital city and aimag centers for use in emergencies and disasters.
- 7.5.21. Establish a data transmission and exchange network connecting remote points that are not connected to the information and communication infrastructure.

- 7.5.22. Strengthen competitive information and communication systems, hardware, software, national cryptographic production and information security solutions development systems.
- 7.5.23. Improve the capacity to prevent, detect and suppress crimes of illegal acquisition, disclosure and loss of state secrets, and train civil servants.
- 7.5.24. Improve the protection of information systems, networks and databases of the National Data Center.
- 7.5.25. Develop the capacity to detect and suppress attacks on national information infrastructure and combat cyber crimes.
- 7.5.26. Ensure the integrity and safety of the database and data of state electronic memory, and create and develop single-source information and open data.
- 7.5.27. Expand the network to establish and coordinate the operation and control management of the national communications network using the national satellite communication satellite network, ensure its normal operation, and take comprehensive measures to ensure the security of state information.
- 7.5.28. Develop state secret software, introduce it into the activities of state organs, and create a unified database of registration and information constituting state and official secrets.