

---

**Economic and Social Commission for Asia and the Pacific**  
Committee on Transport

**Sixth session**

Bangkok, 12 and 13 November 2020

Item 3 (a) of the provisional agenda\*

**Cross-cutting issues in transport: transport connectivity for  
efficient and resilient supply chains**

**Guidelines developed by the Ministry of Transport of the  
Russian Federation on measures to ensure the  
anti-epidemic safety of transport operations\*\***

*Summary*

The Embassy of the Russian Federation in the Kingdom of Thailand communicated to the secretariat, by letter dated 24 September 2020, its request to circulate the recommendations developed by the Ministry of Transport of the Russian Federation on measures to ensure anti-epidemic safety of transport operations, with a view to sharing best practices and lessons learned among interested members and associate members of the Economic and Social Commission for Asia and the Pacific.

The text of letter as received, and the related recommendations are reproduced in the present document without formal editing.

The Committee may wish to take note of this information.

---

\* ESCAP/CTR/2020/L.1/Rev.1.

\*\* The present document is being issued without formal editing.

**Letter from the Embassy of the Russian Federation in the Kingdom of Thailand, dated 24 September 2020, addressed to the secretariat of the Economic and Social Commission for Asia and the Pacific**

Dear Mr. Weimin Ren,

I have the honor to transmit to the Secretariat recommendations and guidelines developed by the Ministry of Transport of the Russian Federation on measures to ensure anti-epidemic safety of transport operations both during the time of pandemic of COVID-19 and in the cause of the phase out from the pandemic restrictions.

With a view of sharing best practices and lessons learned among interested member-states of the UNESCAP, I kindly request you to circulate these recommendations as INF type document of the 6th session of the UNESCAP Committee on Transport.

Best regards,

Oleg A. Shamanov  
Minister-counsellor  
Deputy Permanent Representative  
of the Russian Federation to ESCAP

**Annex to the letter from the Embassy of the Russian Federation in the Kingdom of Thailand, dated 24 September 2020, addressed to the secretariat of the Economic and Social Commission for Asia and the Pacific**

**I. Temporary Methodical Recommendations for Managing the Activities of Road Transport, City Ground-Based Electric Transport and Offstreet Transport Enterprises for the Protection of Passengers and Personnel under Unfavorable Epidemiological Conditions and Gradual Lifting of Restrictions Related to the Spread of the novel coronavirus infection (COVID-19)**

1. These Temporary Methodical Recommendations have been developed for managing the activities of road transport, city ground-based electric transport and offstreet transport enterprises for the protection of passengers and personnel under unfavorable epidemiological conditions and gradual lifting of restrictions related to the spread of novel coronavirus infection (COVID-19).

2. These Temporary Methodical Recommendations establish measures to protect passengers and personnel of road transport, city ground-based electric transport and offstreet transport enterprises for the following regimes of the unfavorable epidemiological situation on road transport, city ground-based electric transport and offstreet transport

- a) regime of restrictions related to the spread of infectious diseases;
- b) high alert regime (stabilization regime);
- c) normal regime.

3. The decision to introduce and lift any given regime of unfavorable epidemiological situation should be taken by the high ranking officials of the constituent entities of the Russian Federation (heads of the supreme government bodies of the constituent entities of the Russian Federation) on the basis of proposals and prescripts of the chief state sanitary doctors of the constituent entities of the Russian Federation.

4. If the regime of restrictions related to the spread of infectious diseases is lifted, a stabilization regime is introduced.

5. By decision of the persons referred to in paragraph 3 of these Temporary Methodical Recommendations, the order in which the regimes are introduced is subject to change.

6. Measures on protection of passengers and personnel of road transport, city ground-based electric transport and offstreet transport enterprises include those to be implemented:

- a) at the bus station (at the ticket counter, when waiting for the transport departure, at the end of the trip);
- b) for period of transportation by road or city ground-based electric transport or inter-trip standing time, as well as during organized transportation of a group of children;
- c) at the offstreet transport station;
- d) for period of transportation by offstreet transport or standing time of offstreet transport vehicles.

7. Measures on protection of personnel of road transport, city ground-based electric transport and offstreet transport enterprises also include those implemented in relation to personnel of road transport, city ground-based electric transport and offstreet transport enterprises at the territory of the said enterprises.

8. Measures on protection of passengers and personnel of road transport, city ground-based electric transport enterprises implemented at the bus station (at the ticket counter, when waiting for the transport departure, at the end of the trip), include:

a) preventive disinfection of spaces and transportation infrastructure facilities with non-corrosive or low corrosive disinfectants approved by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places, as well as ventilation systems for enclosed spaces and by way of cleaning surfaces in open spaces and transportation infrastructure facilities;

b) wiping handles, handrails, window sills and windows of ticket counters at least once every 2 hours (daily);

c) minimizing cash sales of tickets;

d) placement of information on separate information boards and regular audio informing of passengers about the epidemiologic situation, hygiene measures, social distancing;

e) social distancing marking near all ticket counters, seating, vending machines, trading pavilions (distance to be determined in accordance with Rospotrebnadzor recommendations);

f) placement of skin antiseptics at free access in ticket halls, waiting rooms, toilets, personnel workplaces, entrance to and exit from the bus station;

g) usage of personal protection equipment by personnel (disposable masks and gloves (hereafter, PPE) after checking body temperature. Regular hand sanitizing with skin antiseptics or disinfecting wipes.

Masks should be changed every 2 to 3 hours, gloves — at least 1 time per shift, or in case of contamination, damage;

h) checking passengers' temperature;

i) PPE usage by passengers;

j) installation of new vending machines or allocation of special sections in the existing ones for selling PPE; selling PPE in ticket counters;

k) restriction of food services provision at bus stations for take-away only.

9. Roadmap of measures outlined in paragraph 8 of these Temporary Methodical Recommendations according to the unfavorable epidemiological situation is provided in Appendix 1 hereto.

10. Measures on protection of passengers and personnel of road transport, city ground-based electric transport enterprises implemented during transportation by road transport, city ground-based electric transport and inter-trip standing time include:

a) Preventive disinfection of a transport vehicle with non-corrosive or low corrosive disinfectants approved by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach,

darkened and remote places, as well as ventilation systems during inter-trip standing time. Cleansing of external surfaces of a transport vehicle, including handles and handrails, with non-corrosive or low corrosive disinfectants approved by Rospotrebnadzor;

b) arrangement of passengers in the vehicle passenger compartment with observance of social distance, which includes prevention of providing adjacent seats for sitting passengers. Separation of the vehicle passenger compartment into a driver and passenger area (if possible);

c) minimizing cash sales of tickets, including the refusal to sell tickets inside the vehicle if it is equipped with an automated fare collection system;

d) placement of information materials in transport means and regular audio informing about preventive measures;

e) airing the vehicle interior at stopping points (for urban or suburban service – at terminal stops) during the year season with air temperature above 10 to 15°C;

f) PPE usage by vehicle crews after checking body temperature. Regular hand sanitizing with skin antiseptics or disinfecting wipes. Masks should be changed every 2 to 3 hours, gloves — at least 1 time per shift, or in case of contamination, damage;

g) PPE usage by passengers.

11. Measures on protection of passengers and personnel of road transport, city ground-based electric transport enterprises, apart from measures outlined in paragraph 10 herein, implemented during organized transportation of children groups include:

a) prompt stop of the vehicle to call an ambulance if a child from the group of children shows signs of illness (fever, respiratory disturbance, etc.);

b) temperature measurement for children from a group twice a day throughout the journey and not earlier than 1 hour before arrival at the destination.

12. Roadmap of measures outlined in paragraphs 10 and 11 of these Temporary Methodical Recommendations according to the unfavorable epidemiological situation is provided in Appendix 2 hereto.

13. The measures on protection of passengers and personnel of offstreet transport enterprises implemented at offstreet transport stations include:

a) preventive disinfection of spaces with non-corrosive or low corrosive disinfectants sanctioned by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places for enclosed spaces and by way of cleaning surfaces in open spaces and transportation infrastructure facilities;

b) wiping handles, handrails, window sills and windows of ticket counters at least once every 2 hours (daily);

c) minimizing cash sales of tickets;

d) checking passengers' temperature;

e) PPE usage by passengers;

f) placement of information on separate information boards and regular audio informing of passengers about the epidemiologic situation, hygiene measures, social distancing;

g) social distancing marking near all ticket counters, seating, vending machines, trading pavilions (distance to be determined in accordance with Rospotrebnadzor recommendations);

h) PPE usage by personnel after checking body temperature. Regular hand sanitizing with skin antiseptics or disinfecting wipes. Masks should be changed every 2 to 3 hours, gloves — at least 1 time per shift, or in case of contamination, damage;

i) installation of new vending machines or allocation of special sections in the existing ones for selling disposable masks and gloves; selling PPE in ticket counters.

14. Roadmap of measures outlined in paragraphs 13 of these Temporary Methodical Recommendations according to the unfavorable epidemiological situation is provided in Appendix 3 hereto.

15. The measures on protection of passengers and personnel of offstreet transport enterprises implemented in trips and during standing time of offstreet vehicles include:

a) preventive disinfection of offstreet vehicles with non-corrosive or low corrosive disinfectants sanctioned by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places, as well as ventilation systems;

b) placement of information materials in offstreet vehicles and regular audio informing about preventive measures;

c) PPE usage by offstreet vehicles crews after checking body temperature. Regular hand sanitizing with skin antiseptics or disinfecting wipes. Masks should be changed every 2 to 3 hours, gloves — at least 1 time per shift, or in case of contamination, damage;

d) PPE usage by passengers.

16. Roadmap of measures outlined in paragraphs 15 of these Temporary Methodical Recommendations according to the unfavorable epidemiological situation is provided in Appendix 4 hereto.

17. The measures on protection of personnel of road transport, city ground-based electric transport and offstreet transport enterprises implemented in relation to personnel of road transport, city ground-based electric transport and offstreet transport enterprises at the territory of the said enterprises include:

a) preventive disinfection of spaces with non-corrosive or low corrosive disinfectants sanctioned by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places, as well as ventilation systems for enclosed spaces and by way of cleaning surfaces in open spaces;

b) arranging daily checkups carried out before the work shift start including thermometry and suspending employees having elevated body temperature and / or signs of infectious disease from work;

c) interviews with drivers about state of their health and state of health of persons living with them as well as about possible contacts with sick

persons or persons who have returned from another state or a constituent part of the Russian Federation (interviews, questionnaires, etc.);

d) allocating at the entrance to the enterprise territory of a space for hand sanitizing with skin antiseptics (using installed dispensers as well) or disinfecting wipes;

e) regular hand sanitizing by the enterprise employees with skin antiseptics or disinfecting wipes at their workplaces and supervising this hygienic procedure;

f) observation by drivers of social distancing when receiving trip tickets, having medical checkups including by way of special marking and setting up a special regime of access to / staying in facilities, buildings, structures (premises thereof), and at the respective territory (including surrounding area);

g) equipping wash basins for washing hands in public places and bathrooms with liquid soap and hand sanitizers, disposable paper towels or electric hand dryers;

h) daily (on a shift basis) wet cleaning of service facilities and public places (dining rooms, rec rooms, lavatories) with disinfectants of virucidal action, including cleaning of all contact surfaces: handles, switches, handrails, railings, table surfaces, chair backs, office equipment, as often as every 2 to 4 hours;

i) maintaining at least a five-day supply of detergents and disinfectants, PPE at the enterprise;

j) using of recirculating bactericidal lamps in the rooms constantly occupied by employees;

k) airing working rooms at least every 2 hours;

l) training to increase awareness among the workers of the necessity to observe personal hygiene measures (frequent hands washing with liquid soap, sanitizing hands with skin antiseptics, PPE usage).

18. Roadmap of measures outlined in paragraphs 17 of these Temporary Methodical Recommendations according to the unfavorable epidemiological situation is provided in Annex 5 hereto.

**Appendix 1**

to the Temporary Methodical Recommendations for Managing the Activities of Road Transport, City Ground-Based Electric Transport and Offstreet Transport Enterprises under Unfavorable Epidemiological Conditions for the Protection of Passengers and Gradual Lifting of Restrictions under Conditions of the Spread of the Novel Coronavirus Infection (COVID-19)

Roadmap of measures on protection of passengers and personnel of road transport, city ground-based electric transport enterprises implemented at the bus station (at the ticket counter, when waiting for the transport departure, at the end of the trip)

No.	Measure	Implementation of measure (yes/not applicable, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
1	Preventive disinfection of spaces with non-corrosive or low corrosive disinfectants approved by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places, as well as ventilation systems for enclosed spaces and by way of cleaning surfaces in open spaces	Yes, at least twice a day (in the morning and in the evening)	Yes, once a day	Yes, once a week
2	Wiping handles, handrails, window sills and windows of ticket counters at least once every 2 hours (daily)	Yes	Yes	Yes
3	Minimizing cash sales of tickets	Yes	Yes	Not regulated
4	Placement of information on separate information boards and regular audio informing of passengers about the epidemiologic situation, hygiene measures, social distancing	Yes	Yes	Not regulated
5	Social distancing marking near all ticket counters, seating, vending machines, trading pavilions (distance to be determined in accordance with Rospotrebnadzor recommendations)	Yes	Yes	Not regulated
6	Placement of skin antiseptics at free access in ticket halls, waiting rooms, toilets, personnel workplaces, entrance to and exit from the bus station	Yes	Yes	Not regulated
7	PPE usage by personnel (disposable masks and gloves) after checking body temperature. Regular hand sanitizing with skin antiseptics or disinfecting wipes. Masks must be changed every 2 to 3 hours, gloves — at least once during a shift, or in case of contamination, damage	Yes	Yes	Not regulated



No.	Measure	Implementation of measure (yes/not applicable, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
8	Checking passengers' temperatures	Yes	Yes, on passenger's request	Not regulated
9	PPE usage by passengers	Yes	Yes	Not regulated
10	Installation of new vending machines or allocation of special sections in the existing ones for selling disposable masks and gloves; selling PPE in ticket counters	Yes	Not regulated	Not regulated
11	Restriction of food services provision at bus stations for take-away only	Yes	Yes	Not regulated

**Appendix 2**

to the Temporary Methodical Recommendations for Managing the Activities of Road Transport, City Ground-Based Electric Offstreet Transport Enterprises under Unfavorable Epidemiological Conditions for the Protection of Passengers and Gradual Lifting of Restrictions under Conditions of the Spread of the Novel Coronavirus Infection (COVID-19)

Roadmap of measures on protection of passengers and personnel of road transport, city ground-based electric transport enterprises implemented during transportation by road transport, city ground-based electric transport, inter-trip standing time as well as organized transportation of a group of children

No.	Measure	Implementation of measure (yes/no, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
1	Preventive disinfection of vehicles with non-corrosive or low corrosive disinfectants sanctioned by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places, as well as ventilation systems. Cleansing of external surfaces of a transport vehicle, including handles and handrails, with non-corrosive or low corrosive disinfectants approved by Rospotrebnadzor	Yes, at least twice a day (in the morning and in the evening)	Yes, once a day	Yes, once a week
2	Arrangement of passengers in the vehicle passenger compartment with observance of social distance, which includes prevention of providing adjacent seats for sitting passengers. Separation of the vehicle passenger compartment into a driver and passenger area (if possible)	Yes	Not regulated	Not regulated
3	Minimizing cash sales of tickets, including the refusal to sell tickets inside the vehicle if it is equipped with an automated fare collection system	Yes	Yes	Not regulated
4	Placement of information materials in transport means and regular audio informing about preventive measures	Yes	Yes	Not regulated
5	Airing the vehicle interior at stopping points (for urban or suburban service — at terminal stops) during the year season with air temperature above 10 to 15 °C	Yes	Yes	Yes
6	PPE usage by passengers	Yes	Yes	Not regulated
7	PPE usage by vehicle crews after checking body temperature. Regular hand sanitizing with skin antiseptics or disinfecting wipes. Masks must be changed every 2 to 3 hours, gloves — at least once during a shift, or in case of contamination, damage	Yes	Yes	Not regulated

No.	Measure	Implementation of measure (yes/no, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
8	Ensuring prompt stop of the vehicle to call an ambulance if a child from the group of children shows signs of infectious disease (fever, signs of respiratory disturbance, etc.)	Organized transportation of children groups is not carried out	Yes	Not regulated
9	Temperature measurement for children from a group twice a day throughout the journey and not earlier than 1 hour before arrival at the destination	Organized transportation of children groups is not carried out	Yes	Not regulated

**Appendix 3**

to the Temporary Methodical Recommendations for Managing the Activities of Road Transport, City Ground-Based Electric Transport and Offstreet Transport Enterprises under Unfavorable Epidemiological Conditions for the Protection of Passengers and Gradual Lifting of Restrictions under

Conditions of the Spread of the Novel Coronavirus Infection (COVID-19)

Roadmap for the implementation of measures on protection of passengers and personnel of offstreet transport enterprises at offstreet transport stations

No.	Measure	Implementation of measure (yes/no, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
1	Preventive disinfection of spaces with non-corrosive or low corrosive disinfectants approved by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places, as well as ventilation systems for enclosed spaces and by way of cleaning surfaces in open spaces	Yes, at least twice a day (in the morning and in the evening)	Yes, once a day	Yes, once a week
2	Wiping handles, handrails, window sills and windows of ticket counters at least once every 2 hours (daily)	Yes	Yes	Not regulated
3	Minimizing cash sales of tickets	Yes	Yes	Yes
4	Checking passengers' temperatures	Yes, selectively	Yes, on passenger's request	Not regulated
5	PPE usage by passengers	Yes	Yes	No
6	Placement of information on separate information boards and regular audio informing of passengers about the epidemiologic situation, hygiene measures, social distancing	Yes	Yes	Not regulated
7	Social distancing marking near all ticket counters, seating, vending machines, trading pavilions (distance to be determined in accordance with Rospotrebnadzor recommendations)	Yes	Yes	Not regulated
8	PPE usage by personnel (disposable masks and gloves) after checking body temperature. Regular hand sanitizing with skin antiseptics or disinfecting wipes. Masks must be changed every 2 to 3 hours, gloves — at least once during a shift, or in case of contamination, damage	Yes	Not regulated	Not regulated

No.	Measure	Implementation of measure (yes/no, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
9	Installation of new vending machines or allocation of special sections in the existing ones for selling disposable masks and gloves; selling PPE in ticket counters	Yes	Yes	Not regulated

**Appendix 4**

to the Temporary Methodical Recommendations for Managing the Activities of Road Transport, City Ground-Based Electric Transport and Offstreet Transport Enterprises under Unfavorable Epidemiological Conditions for the Protection of Passengers and Gradual Lifting of Restrictions under Conditions of the Spread of the Novel Coronavirus Infection (COVID-19)

Roadmap of measures on protection of passengers and personnel of offstreet transport enterprises implemented in trips and during standing time of offstreet vehicles

No.	Measure	Implementation of measure (yes/no, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
1	Preventive disinfection of offstreet vehicles with non-corrosive or low corrosive disinfectants sanctioned by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places, as well as ventilation systems. Cleansing of external surfaces of vehicles, including handles and handrails, with non-corrosive or low corrosive disinfectants sanctioned by Rospotrebnadzor	Yes, at least twice a day (in the morning and in the evening)	Yes, once a day	Yes, once a week
2	Placement of information materials in offstreet vehicles and regular audio informing about preventive measures	Yes	Yes	Not regulated
3	PPE usage by passengers	Yes	Yes	No
4	PPE usage by offstreet vehicles crews after checking body temperature. Regular hand sanitizing with skin antiseptics or disinfecting wipes.	Yes	Not regulated	Not regulated
	Masks must be changed every 2 to 3 hours, gloves — at least once during a shift, or in case of contamination, damage			

**Appendix 5**

to the Temporary Methodical Recommendations for Managing the Activities of Road Transport, City Ground-Based Electric Transport and Offstreet Transport Enterprises under Unfavorable Epidemiological Conditions for the Protection of Passengers and Gradual Lifting of Restrictions under

Conditions of the Spread of the Novel Coronavirus Infection (COVID-19)

No.	Measure	Implementation of measure (yes/no, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
1	Preventive disinfection of spaces with non-corrosive or low corrosive disinfectants approved by Rospotrebnadzor by way of simultaneous cleaning of air, horizontal, vertical, side surfaces, hard-to-reach, darkened and remote places, as well as ventilation systems for enclosed spaces and by way of cleaning surfaces in open spaces	Yes, at least twice a day (in the morning and in the evening)	Yes, once a day	Yes, once a week
2	Arranging daily checkups carried out before the work shift start including thermometry and suspending employees having elevated body temperature and / or signs of infectious disease from work	Yes	Yes	Not regulated
3	Interviews with drivers about state of their health and state of health of persons living with them as well as about possible contacts with sick persons or persons who have returned from another state or a constituent part of the Russian Federation (interviews, questionnaires, etc.)	Yes	Yes	Not regulated
4	Allocating at the entrance to the enterprise territory of a space for hand sanitizing with skin antiseptics (using installed dispensers as well) or disinfecting wipes	Yes	Not regulated	Not regulated
5	Regular hand sanitizing by transport enterprise employees with skin antiseptics or disinfecting wipes at their workplaces and supervising this hygienic procedure	Yes	Not regulated	Not regulated
6	Observation by drivers of social distancing when receiving trip tickets, having medical checkups including by way of special marking and setting up a special regime of access to / staying in facilities, buildings, structures (premises thereof), and at the respective territory (including surrounding area)	Yes	Not regulated	Not regulated

No.	Measure	Implementation of measure (yes/no, comment)		
		Regime of restrictions related to the spread of infectious diseases	High alert regime (stabilization regime)	Normal regime
7	Equipping wash basins for washing hands in public places and bathrooms with liquid soap and hand sanitizers, disposable paper towels or electric hand dryers	Yes	Yes	Not regulated
8	Daily (on a shift basis) wet cleaning of service facilities and public places (dining rooms, rec rooms, lavatories) with disinfectants of virucidal action, including cleaning of all contact surfaces: handles, switches, handrails, railings, table surfaces, chair backs, office equipment, as often as every 2 to 4 hours	Yes	Yes	Not regulated
9	Maintaining at least a five-day supply of detergents and disinfectants, PPE at the enterprise	Yes	Not regulated	Not regulated
10	Using of recirculating bactericidal lamps in the rooms constantly occupied by employees	Yes	Not regulated	Not regulated
11	Airing working rooms at least every 2 hours	Yes	Not regulated	Not regulated
12	Training to increase awareness among the workers of the necessity to observe personal hygiene measures (frequent hands washing with liquid soap, sanitizing hands with skin antiseptics, PPE usage)	Yes	Not regulated	Not regulated



**II. TEMPORARY RECOMMENDATIONS on preventive measures to ensure antiepidemic safety of rail public transportation aimed at reducing the risk of occurrence and spread of the coronavirus infection (COVID-19)**

**SECTION 1. Long-distance public transport**

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
Issue and return of travel document	Passenger services	1	Remote cancellation of the trip and return of travel documents issued in a booking office	Applicable	Not applicable
Passenger at a railway station (in a booking office, waiting for the train to departure, after the trip)	Informing passengers	2	Audiovisual informing (leaflets, videos) of passengers about compliance with the preventive and protective measures, rules of conduct in terms of the epidemic during the journey, and additional remote services	Mandatory placement of information on separate information boards and audio announcement (every hour) of passengers about the epidemiologic situation, hygiene measures, social distancing	Information placement is recommended on common information boards, audio announcements are not required
	Preventive and protective measures	3	Cleaning of premises using disinfectants	Treatment with disinfectants at least twice a day (in the morning and evening). Wiping handles, handrails, window sills and windows of ticket counters at least once every 2 hours (daily), disinfecting treatment of station premises once a month	Treatment of station complexes with disinfectants once a month

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
		4	Social distancing marking	Mandatory near all ticket counters, ticket printers, turnstiles, etc. and seating, vending machines, shops (distance to be determined in accordance with Rospotrebnadzor recommendations)	Not regulated
		5	Providing sanitizers	hi long-term rest areas, children's play areas, business lounges, MP rooms, ticket halls, sluice rooms, at workplaces, at station entrances/exits, in waiting rooms	Not regulated
		6	Selling PPE at railway stations	Installation of new vending machines and separation of special sections in the existing ones for selling disposable masks and gloves; selling PPE in the long-term rest areas	Not regulated
		7	Checking passengers' temperatures	Selectively, on passenger's request, by a health worker if there is a medical facility at the station	Selectively, on passenger's request, by a health worker if there is a medical facility at the station

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
Passenger at a railway station (in a booking office, waiting for the train to departure, after the trip)	Preventive and protective measures	8	Providing rooms at the station for isolating passengers suspected of having an infection	Required	Not required
		9	Catering services at railway stations	Arranging passengers so as to maintain social distancing; selling takeout	No restriction
Throughout the journey	Informing passengers	10	Audiovisual informing (leaflets, videos) of passengers about compliance with the preventive and protective measures, rules of conduct in terms of the epidemic during the journey, and additional remote services	Placing leaflets in the cars and audio announcement over the train's intercom system about preventive measures	Not regulated
		11	Passengers' health monitoring	Visual monitoring of passengers' health condition when boarding, checking passengers' temperature throughout the journey twice a day	Not conducted

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
	Preventive and protective measures	12	Catering services during the journey	Using disposable masks and gloves by restaurant-car workers when providing catering services (changing masks every three hours is required)! Minimizing the use of raw food in meal preparation, removal of alcohol from the restaurant cars if their catering services are available only for takeout. Handing out sanitizing gels (or other sanitizers) to passengers or placement of hand sanitizers. Disinfection of restaurant car facilities at least twice a day with special agents effective against viruses.	No restrictions on passenger service in the restaurant cars. Providing catering services in full

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
		13	Sanitary treatment	Wet cleaning at least twice a day and when necessary, with mandatory wiping of all handles in the car using a disinfectant solution. Cleaning bathrooms with mandatory cleaning of floors and walls up to a 1.5 m height at least 4 times a day and when necessary, using approved cleaning and disinfecting detergents. Additionally: disinfecting treatment during the journey using disinfectants effective against viruses at least 4 times a day if any passengers show symptoms of an infectious disease. Disinfecting treatment of all surfaces in the car at rail depots	Wet cleaning at least twice a day and when necessary, with mandatory wiping of all handles in the car using a disinfectant solution. Cleaning bathrooms with mandatory cleaning of floors and walls up to a 1.5 m height at least 4 times a day and when necessary, using approved cleaning and disinfecting detergents
		14	Special procedure for disinfecting removable textile products	Unscheduled disinfection of removable textile products when any passengers show symptoms of an infectious disease or have a high body temperature	Normal regime

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
		15	Prohibition on onboard magazines in the train	Applicable	Not applicable
	At the railway station waiting for the train, at transfers	16	At the railway station waiting for the train, at transfers	Dedicated area in the waiting room, no contact with other passengers, social distancing in the group	Applicable
		17	Immediately before the trip	Checking temperature before boarding the train	Applicable
Travel of organized groups of children	Throughout the journey	18	Isolating a child showing symptoms of an infectious disease in a separate compartment (for a train with seat places	Applicable	Applicable
			and no compartments — transfer to separate seats) and calling emergency medical services to a closest station at which the train is expected to stop		

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
		19	If the child's condition is drastically deteriorating: high temperature, signs of respiratory distress, etc., ensure an unscheduled stop at a closest railway station (halt platform) for calling emergency medical services and deciding to continue the trip or send the child to a hospital	Applicable	Applicable
		20	Checking children's body temperature twice a day throughout the entire journey. At the end of the trip, not earlier than 1 hour before the arrival to the destination point	Applicable	Applicable
		21	Ensuring an adequate stock of PPE in the train with an organized group of children	Applicable	Applicable
		22	Mandatory use of PPE by the train crew providing service in this car throughout the journey	Applicable	Not applicable

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
		23	Delivery of food directly to the organized group of children, use of disposable tableware, prohibition on visiting the restaurant car	Applicable	Not applicable
		24	Restriction on moving to other cars for the members of the organized group of children	Applicable	Not applicable
		25	Increased periodicity of car sanitary treatment throughout the journey up to 4 times a day	Applicable	Applicable
		26	Checking the body temperatures of the crew providing service in the car with the organized group of children at least twice a day	Applicable	Applicable
	Upon arrival	27	Being at the railway station after arrival, requirements for the trip organizers as to planning the time of transfer of the organized group of children	Minimization of entering the station after arrival, being at the station only for passage (after the trip is finished, the organized group of children must not remain in the station building, exit through the green corridor)	Applicable



## SECTION 2. Regional public transport

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
Issue of travel document	Informing passengers	1	Visual informing	Placing information on infection prevention measures in passengers' facilities	Placing information on infection prevention measures at large railway stations
In passengers' facilities, waiting for the train to departure or upon arrival	Preventive and protective measures	2	Making sanitizers available in station buildings, pavilions with closed waiting areas	Applicable	Recommended
		3	Sanitary treatment of passengers' facilities, station buildings, closed waiting areas, turnstiles, escalators	Treatment with disinfectants at least twice a day (in the morning and evening) Wiping handles, handrails, window sills and windows of ticket counters at least once every 2 hours (daily)	Compliance with the technological procedure for cleaning station complexes
		4	Social distancing marking	Mandatory near all ticket counters, ticket printers, turnstiles, etc., vending machines, shops (distance to be determined in accordance with Rospotrebnadzor recommendations)	Not regulated

Journey stages / passenger route	Category of preventive and passenger protection measures, depending on the epidemic situation	No.	List of measures	Duration of measures	
				Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
Throughout the journey	Informing passengers	5	Informing passengers on infection prevention measures	Applicable	Not regulated
	Preventive and protective measures	6	Sanitary treatment	Wet cleaning at least once a day and treatment of bathrooms with disinfectants, providing soap and disinfectants in the bathrooms while in train configuration terminals. Dry cleaning in the train depositions (as per cleaning schedule), including wiping door handles, coaches, windows with disinfectants	Normal regime (in accordance with the technological procedure for cleaning)
		7	Prohibition of paddling throughout the journey	Applicable	Not applicable
		8	Ban on illegal hawking, busking, violating hygiene rules and wearing dirty cloths on regional trains	Applicable	Applicable

### SECTION 3. Personnel involved in providing service and organization of passenger transportation

Personnel	List of measures	No.	Duration of measures	
			Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
Frontline personnel (direct contact with passengers)	Health monitoring	1	Checking temperature and examination for signs of illness before starting the shift prior to the departure	Not applicable
	Organization of work	2	Handing out PPE (masks, gloves, hand sanitizers) as per the norms of usage based on the duration of the shift	Not applicable
		3	Placing leaflets and other information materials on preventive measures, main symptoms, and procedure after their detection on information boards	Not regulated
Production personnel (no direct contact with passengers)	Health monitoring	4	Checking temperature and examination for signs of illness before starting the shift	Access to work as usual
	Organization of work	5	Providing PPE (masks, gloves, sanitizers) when more than 1 person works in a room, as per the norms of usage based on the duration of the shift	Not applicable
		6	Social distancing marking in production facilities in the personnel common areas (security gates, dining rooms, lift halls, etc.)	Not regulated
		7	Placing leaflets and other information materials on preventive measures, main symptoms, and procedure after their detection on information boards	Not regulated
	Sanitary treatment of	8	Preventive disinfection (mechanical, chemical, physical)	Daily cleaning

Personnel	List of measures	No.	Duration of measures	
			Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
	production facilities			
Management personnel	Health monitoring	9	Checking temperature and examination for signs of illness before the working day	Not applicable
	Organization of work	10	Providing personnel at workplaces with PPE when working in rooms with more than 1 person	Not applicable
		11	Placing leaflets and other information materials on preventive measures, main symptoms, and procedure after their detection on information boards	Not regulated
		12	Social distancing marking in production facilities in the personnel common areas (security gates, dining rooms, lift halls, etc.)	Not regulated
	Sanitary treatment of production facilities	13	Preventive disinfection (mechanical, chemical, physical)	Daily cleaning
For all categories	Briefing	14	<p>On preventive measures, including:</p> <ul style="list-style-type: none"> <li>- the use of additional personal protective equipment;</li> <li>- the need to: upon return from a country with an unfavorable epidemiological situation, to undergo additional medical examination before returning to work; if ARVI symptoms are found, to inform the employee and contact the medical service; if the infection is detected, to take measures to self-isolate and inform the employee;</li> <li>- informing the employer immediately in the event of contracting the infection. No handshakes;</li> <li>- the restriction on non-essential travel outside the Russian Federation;</li> <li>- personal responsibility for protecting one's own and others' health, including passengers;</li> <li>- introduction of procedure for informing Rospotrebnadzor authorities about all contacts of the infected person; disinfection of the workplace</li> </ul>	Standard briefing

Personnel	List of measures	No.	Duration of measures	
			Easing restrictions associated with the spread of the coronavirus infection	Lifting restrictions
of personnel	Suspending workers from duties with signs of an infection, access to work only with a medical certificate of being fit for duty	15	Conducted	Conducted
	Identifying contacts of the unwell worker and sending the information to Rospotrebnadzor	16	Conducted	Conducted

**Temporary Recommendations**  
**aimed at safe operation of sea and inland water transport under the conditions of**  
**COVID-19**

**I. General**

In order to ensure the safe operation of sea and inland water transport, the development of Plans of operation under the unfavorable epidemiological conditions (hereinafter - the Plan) is recommended for shipping companies and port facility (terminal, berth) operators.

The Plans for shipping companies are developed to address the company's personnel and each of the company's vessels, reflecting any special features of its operation. The Plan shall be approved by the shipping company. The Plan shall be executed as a separate document providing for crew actions under the conditions of preventing the spread of the coronavirus disease (COVID-19). Interchangeability of the crew members shall be determined in order to ensure the necessary job functions on the vessel. The size and composition of the emergency team shall be determined, to support the ship's doctor (if any) and other medical workers when performing actions related to caring for unwell individuals and moving them within the vessel.

The Plan shall specify the contact addresses of the shipping company, sanitary authorities of the port or region in order to establish communication and receive necessary support if there is an unwell individual on board of the vessel or in the event of suspected virus disease, to call the medical service and organize the emergency team for evacuation of such individual.

The compilation of checklists is recommended for monitoring the implementation the measures set forth in the Plan. This list of recommendations shall apply to vessels sailing under the state flag of the Russian Federation regardless of what kind of voyage they may perform, as well as to vessels sailing under the flags of foreign countries which enter ports of the Russian Federation.

The development and approval of the Plans of operation of the port facilities (terminals, berths) under the unfavorable epidemiological conditions are recommended for the port facility (terminal, berth) owners.

**II. Recommendations on the content of the Plan of operation under the unfavorable**  
**epidemiological conditions**

It is recommended that the Plans of port facility operation specify the measures to be taken by the Plan executor in the three stages:

active restrictions, with all reasonable measures implemented for ensuring the safe operation of sea and inland water transport under the unfavorable epidemiological conditions;

eased restrictions determined gradually by the territorial entities of the Russian Federation in accordance with "MR 3.1.0178-20. Prevention of infectious diseases. Guidelines" approved by the Chief State Sanitary Doctor of the Russian Federation on May 8, 2020; preventive measures exercised under normal operating conditions of sea and inland water transport companies.

### **III. Recommended organizational and medical/sanitary measures to prevent the occurrence and spread of the infection on vessels and port facilities**

#### **Active restrictions**

Watchkeepers shall ensure a tighter control over access to the vessels permitted to operate. The composition of the watch crew depends on the composition of the vessel crew, the nature of its activities, presence of passengers and visitors.

Port facilities (terminals, berths) shall have a tightened access control.

All persons entering a vessel or port facility, except the crew members, passengers, and port workers, are to be registered in the vessel or port facility visit log. Access to the vessel or port facility for persons not related to its activities is forbidden.

Personal protective equipment (hereinafter — PPE) (gloves, face masks, goggles/face shields) for watchkeepers on duty at the vessel entrance is mandatory at all times. Temperature check shall be conducted for all persons coming on board of the vessel. The watchkeeper shall be able to carry out a contactless temperature check (or using an individual thermometer) of all persons entering the vessel, provided hand sanitizer treatment is mandatory. If a temperature over 37,2° is detected, the visitor is not allowed on the board and is conveyed to the medical service called by the watchkeepers. Same requirements are applied to port facilities (terminals, berths).

When the document check is manual, the watchkeepers shall wear gloves.

The watchkeepers must wash their hands with soap or use hand sanitizers regularly (at least once in 2 hours).

Visitors are required to wear a mask.

Where possible to the extend permitted by the vessel's structural features, a marking shall be applied to allow 1.5-m social distancing between visitors and any persons coming on the board of the vessel or entering the port facility, including on a gangway or another structure to access the vessel, at the security gate of the port facility. The guidelines to prevent the spread of the infection on the vessel or port facility shall be made available for the watchkeepers at a place accessible for all members of the watch.

A safe distance of at least 1.5 m between the watchkeeper and a visitor, as well as between the watchkeepers, shall be ensured at all times where possible to the extend permitted by the vessel's structural features.

The means of communication with the medical/sanitary service entitled to come to the vessel or port facility to provide medical care or evacuate, and telephones of the medical/sanitary service shall be made available for the watchkeepers at all times.

The crew and port workers shall be informed of the measures taken on the vessel or port facility.

A short questionnaire shall be prepared for all persons temporarily visiting the vessel or port facility.

To prevent the spread of the coronavirus (COVID-19), training shall be conducted to increase awareness among the crew and the port workers of the necessity of complying with personal hygiene measures (regular handwashing with soap and hot water, use of hand sanitizers, use of protective face masks, etc.).

A temperature check is conducted on the vessel or in the port facility twice a day; every person with a temperature over 37.2° or with signs of an infection shall be suspended from duties or directed to a medical facility if the vessel is in the port.

Cleaning of the vessel and port facility shall be organized and conducted with the use of disinfectants. A special attention shall be paid to disinfection of door handles, handrails, gunwales, contact surfaces, common areas (living, common, and other shipboard and service spaces constantly or regularly used by crew members) every 4 hours when the vessel is in the port (except for inshore moorings) and daily when in a seaway and on inshore mooring (except for passenger vessels).

All crew members and port workers must use PPE (masks, gloves) as much as possible while in the common and working areas of the vessel and port facility.

When landing, all crew member must wear PPE (masks, gloves).

In working spaces (whenever possible), bactericidal lamps (except for vessels carrying dangerous goods), air recirculators are used for regular air disinfection.

Hand sanitizing devices or disinfecting tissues shall be provided at the entrance/exit of the vessel/port facility common areas, otherwise the crew members shall be provided with individual disinfectants.

An adequate stock of PPE (face masks, gloves) shall be ensured for all crew members and port workers. In addition, the emergency team and medical personnel shall be provided with a sufficient stock of FFP3-rated filtering facepieces (respirators), disposable waterproof protective coveralls or aprons, overshoes, and headwear.

A sufficient stock of virucidal-action disinfectants (e.g. 0.5% solution of sodium hypochlorite or a similar solution of 1 part bleach for every 99 parts water) for cleaning rooms. The crew and passengers shall be provided with a sufficient stock of soap, water, tissues, and sanitizers for personal hygiene.

The following shall be made available: contactless thermometers with spare power batteries or individual thermometers, special containers with hermetic sealing for storage and shore disposal of medical waste, including disposable PPE, disinfecting tissues, etc.

The Plan shall provide for a separate cabin for accepting patients from the crew members, an isolation ward (if possible), means of communication between the isolation ward and the watch or medical personnel on board. If a separate cabin cannot be provided for isolating a sick person due to the vessel's structural features, one of the crew cabins shall be reequipped into an isolation ward.

For this purpose, the cabin shall be equipped with a remote communications device to call the assigned crew member for providing necessary support, a sanitary unit with hot and cold water, a toilet only for those in the isolation ward.

When a worker with an increased body temperature or ARVI symptoms is found in a port facility, the ambulance shall be called and the sick worker shall be directed to the medical service.

#### **Recommended measures for passenger vessels and passenger terminals**

In addition to the measures mentioned above, every passenger on passenger vessels and in passenger terminals (berths) must provide personal information in the scope determined by the company. Such information includes data on health condition and the results of body temperature check.

If a passenger refuses to provide said information, the passenger is not allowed on the board of the vessel or to the terminal (berth).



Upon detection of an infected passenger on the board of the vessel, the close contacts of the sick person are all the persons who live in the same cabin and eat at the same table with the sick person, all of those with whom he/she communicated, cabin attendants providing service in his/her cabin, other people providing him/her any service.

Body temperature checks shall be conducted for passengers upon boarding and crew members upon return to the vessel from the shore. Contactless temperature checks in passenger terminals shall be conducted at all entrances to the terminal.

Hand disinfection is mandatory for passengers when boarding or entering the terminal and any common areas of the vessel. All common areas shall be equipped with special hand sanitizer dispensers for passengers, crew members, terminal workers and visitors, otherwise each passenger shall be provided with individual disinfectants.

In cabins (if any), passenger and common areas, information materials with the recommendations on observing measures to prevent the spread of the coronavirus infection shall be displayed.

The doors (if installed) to the passenger areas and cabins (if any) shall be opened (to avoid contact with door handles) and fixed at all times; the number of passengers shall be reduced proportionally to the floor area in accordance with the social distancing requirements.

The minimum distance between passengers of 1.5 m shall be maintained throughout the entire voyage to the extent permitted by the vessel's structural features.

After each voyage, a mandatory disinfection of the shipboard spaces, including cabins (if any), and the deck shall be conducted; before and after a working day, all the crew members shall have their body temperature checked.

Catering services and food sale on voyages of 4 hours and less are not allowed. Catering services on voyages over 4 hours long are arranged in the cabins (if any), passenger areas. The use of disposable tableware is recommended.

If necessary and depending on the current epidemiological situation in the region, the crew members shall be tested for the coronavirus as often as the relevant health authorities recommend.

The passengers shall be regularly reminded of the need to maintain social distancing and observe personal hygiene measures over the shipwide announcement and terminal public address system.

#### **Eased restrictions**

Performing all the activities prescribed for the period of active restrictions with reduced number of temperature checks up to once per day, and with the mandatory temperature check upon entering the vessel or terminal remained; crew members may now leave the vessel when at berth, however observing safety measures, wearing PPE (mask, gloves) are mandatory; trade is allowed on board and in passenger terminals, with bank card payments only.

Catering services shall be allowed in passenger terminals, provided social distancing is maintained and only disposable tableware is used.

#### **Preventive measures**

Vessels and port facilities return to normal operation, personal hygiene measures for crew members, port workers, and passengers remain in force.

Passenger vessels and terminals may arrange catering services in lounges and restaurants (including, in shifts), making sure the social distancing is maintained. The tableware must be disinfected after each use by soaking in special disinfecting solutions, as recommended by Rospotrebnadzor. Bars are allowed to open. The requirement regarding temperature checks at the entrance to the vessel or the terminal remains in force, daily temperature checks are no longer mandatory.

**Recommended actions when there is a risk or sign of infection**

Upon detection of a sick person among the crew members or passengers, a separate cabin (isolation ward) is arranged for isolation of the sick person, with provision of individual food service in the isolation ward, until the person is directed to a shore medical facility.

Use of ship ventilation and air conditioning system is allowed, subject to the restrictions preventing the spread of the virus.

If the vessel has its own medical unit, the sick person(s) is isolated in the ship's isolation ward. All sanitary anti-epidemic measures on the vessel are organized under direct supervision of the ship's medical worker.

Prompt notification of the ship owner, officials exercising quarantine control or port medical service is required regarding each case of disease among crew members and passengers and sanitary and epidemiological situation on board the vessel. Contact details, such as addressed and telephone numbers, shall be specified in the Plan.

Records shall be made in the logbook, patient and medical service journal (or any other similar register). Data is entered regarding each patient, including passport data, results of temperature checks, visual symptoms of a virus disease based on the interviewing and complaints (without making contact with the patient), the presence of cough, fever, respiratory distress, information on each person with whom the patient has been in contact for the last 14 days, data on medical facilities which the patient has visited for the last 14 days, preexisting conditions, additional information provided by medical workers on board or on the shore.

In addition, time and place, information about persons with whom the patient is directed to the medical facility are recorded.

The close contacts of the patient are considered all the persons who live in the same cabin and eat at the same table with the patient, or work in a direct contact with the patient.

The patient shall be informed of the rules of stay in temporary isolation, including the requirement on personal hygiene, use of disposable tissues/napkins, use of masks when other people are visiting the isolation ward.

When the patient is on the board of the vessel, all contacts with him/her, including delivery of food, necessary medicine or supplies, are carried out by the emergency team members required to wear protective coveralls and PPE, subject to disposal in special containers after each contact with the patient. Touching face and other unprotected body parts with hands is forbidden. Fogged-up goggles or mask must be immediately replaced with new ones.

A separate non-living facility is used for emergency group changing and storage of medical waste containers, where a sufficient stock of disinfecting supplies is made available (aerosols, tissues, etc.).

After performing the duty of the emergency team, the crew members must wash themselves thoroughly using soap and other washing agents and change into clean clothing in another room specified in the Plan.

After the patient has been removed from the vessel, the isolation ward, any rooms where patient(s) or the emergency team has been present, as well as the patient's path during evacuation must be completely disinfected. The ship's ventilation and air conditioning system must be cleaned and disinfected.

If the patients are confirmed to have COVID-19, the whole crew must be tested for COVID-19 twice; the procedure for the testing shall be approved by the respective medical and sanitary service.

After the crew members with confirmed COVID-19 test are removed from the vessel, the isolation ward and the areas where the patient(s) and the emergency team were located, the locations passed by the patient during the evacuation should be disinfected, after which cargo operations and leaving of the port are allowed according to the standard rules of the port.

- Annex:
1. Recommendations for shipping companies on prevention of the spread of COVID-19 on 12 pages in 1 copy
  2. Recommendations for sea and river ports and terminals on prevention of the spread of COVID-19 on 10 pages in 1 copy

## **Temporary recommendations for shipping companies on prevention of the spread of COVID-19**

### **1. General**

These recommendations on prevention of the spread of COVID-19 are intended to prevent occurrence of the coronavirus infection (COVID-19) and control its spread among crew members and passengers on vessels, and to introduce the necessary measures of both routine and emergency nature to protect the vessel crews, passengers and other persons on the board of the vessel. The guidelines are based on the principal of “targeted and detailed prevention and control measures,” taking into account the specific features of sea vessel operation.

The company means the owner of the vessel or any other organization or party operating the vessel on its behalf or using the vessel on any other legal grounds.

The companies must take effective measures to maintain the fleet in an operating condition. Any single case may disable the whole vessel, a group of vessels or a whole logistic chain.

The captains, crews, companies, freighters, and any other involved entities must successively, on a daily basis, apply the policy, procedures and practices aimed at minimizing the risk of infection and preventing the spread of COVID-19. The potential risks must be under control, and any high-risk activities must be avoided or accompanied by stricter protective measures for personnel.

The company must be immediately informed by the ship’s captain about any incidents or suspicions regarding COVID-19, and about other medical cases on the board.

### **2. General measures for preventing the spread of the novel coronavirus infection (COVID-19) among the crew**

The following measures for preventing the spread of the novel coronavirus infection (COVID-19) among the crew are provided:

- training to increase awareness among the workers of the necessity to observe personal hygiene measures (frequent handwashing with soap, use of hand sanitizers, use of protective face masks, etc.);
- temperature check twice a day with recording the results in a temperature sheet as per the crewlist, provided every person with a high temperature or with signs of an infection shall be removed from the vessel;
- arrangements for hand sanitizing (including with installed dispensers or disinfecting tissues) at the entrance/exit of the vessel living and common areas or provision of individual disinfectant for the crew members;
- arrangement and carrying out of a thorough cleaning of the vessel using disinfectants of virucidal action, while paying a special attention to disinfection of door handles, switches, handrails, railings, contact surfaces, common areas (living, common, and shipboard spaces constantly or regularly used by crew members) every 2 hours;
- the maximum possible use of personal protective equipment (hereinafter, PPE) (gloves, masks) in the living and common areas of the vessel;
- limitation of contacts between separate functional working groups of the vessel crew not concerned with general tasks and production processes (group cell principle);

- regular (every 2 hours) airing of working and common areas, whenever possible, taking into account the structural features of the vessel;
- the use of bactericidal lamps, air recirculators approved by a classification society for regular air disinfection in working spaces, except for vessels carrying dangerous goods (whenever possible);
- provision of disinfection of the vessel ventilation system using disinfectants of viricidal action in case the crew members or passengers are infected with a novel coronavirus infection;
- provision of disinfection of air intakes and return grills of vessel ventilation systems using disinfectants of viricidal action;
- the use of disposable tableware in the cookroom with its subsequent collection, decontamination and disposal in the prescribed manner or disinfection of tableware using certified means after each meal;
- prompt notification of officials exercising quarantine control or port medical service of each case of disease among crew members and passengers and sanitary and epidemiological situation on board the vessel;

### **3. Measures to ensure the vessel operating conditions in the presence of sporadic COVID-19 morbidity in the territory**

The measures to ensure the vessel operating conditions in the presence of sporadic COVID-19 morbidity in the territory should include provision of the vessel crew:

- with a minimum supply of PPE (masks, gloves), respirators in case there are persons with fever detected;
- with disinfectants of viricidal action; contactless or individual thermometers;
- with skin antiseptics, disinfectant wipes;
- with disposable tableware to be used in the cookroom and mess of the vessel (if necessary).

### **4. Personal protection of the crew**

Measures to prevent incidents with COVID-19 should be consistently applied both at the vessel organization level and by each person on board the vessel. The ship captain should hold regular briefings with the crew to inform them of developments of the situation, to raise awareness of and prevent risks, and to ensure unconditional crew's support for all coronavirus prevention measures. At the same time, every person on board the vessel is personally responsible for his/her safety and must at all times comply with the relevant standards and rules of personal protection.

#### **4.1. Symptoms**

Every member of the vessel crew should know the main symptoms of COVID-19 infection. Appropriate explanatory materials should be available in the messes and rec rooms of the vessel's crew.

4.2. Washing hands

It is necessary to get into the habit of regular hand washing with soap and warm water for 20 seconds or with an alcohol-based solution. Illustrative materials on the correct hand washing procedure should also be arranged in appropriate places on the vessel. It is also recommended to sanitize your mobile phones regularly and not to wear a wrist watch, rings or bracelets.

4.3. Respiratory hygiene practices

- 4.3.1. Do not touch your eyes, nose and mouth. When touching many surfaces, you can get in contact with the virus and bring it inside the body;
- 4.3.2. Do not shake hands and keep the social distance whenever possible (especially from those who cough or sneeze);
- 4.3.3. When coughing or sneezing, cover your mouth and nose with a bent elbow or napkin. Discard the used napkin immediately.

4.4. Wearing mask

- 4.4.1. The mask should be tight-fitting to the face to completely cover the nose and mouth. When the mask is put on or being removed, do not touch the outside of the mask with your hands to avoid contamination of your hands. After the face mask becomes moist or dirty, it should be replaced immediately with new one and hands should be sanitized with disinfectant both before and after replacement;
- 4.4.2. The vessel crew members should wear masks during any contact with other people;
- 4.4.3. A mask should be put on if coughing or sneezing begins, if the person has mild symptoms or feels unwell. In such cases, the person should immediately inform the ship captain.

4.5. Other personal protective equipment

- 4.5.1. All disposable protective equipment (gloves, masks, disposable gowns, etc.) should be put in medical waste bags after use and disposed of after cleaning/disinfection.  
If there is an incinerator on the vessel, bags should be burned in compliance with the current statutory requirements and those of MARPOL 73/78. With no incinerator on board the vessel, the bags should be sprayed or sprinkled until completely soaked with a chlorine-containing disinfectant (500 mg/l to 1000 mg/l) and disposed of as medical waste in the port.
- 4.5.2. The crew can use alcohol-based disinfecting wipes or alcohol-free hand sanitizer for cleaning and disinfecting hands. When crew members are not sure of the cleanliness of their hands, they should avoid touching the nose, mouth and eyes with their hands. After touching or discarding the waste, the hands should be cleaned with soap or hand sanitizer under running water, followed by cleaning and disinfection of the hands.
- 4.5.3. Reusable glasses and reusable face masks should be sterilized, disinfected and dried after each use.
- 4.5.4. Appropriate disinfectants with a statement of effectiveness against coronavirus should be used for disinfection, prepared and used in accordance with the manufacturer's recommendations.

- 4.5.5. Avoid wearing shoes in cabins. It is also recommended to place a mat (e.g., double folded towel) treated with a bleach solution (1 part of bleach for 50 parts of water) at the entrance to the superstructure, messes and living spaces.

### **5. Measuring temperature**

The body temperature of each crew member should be measured twice a day and recorded in the Vessel's Crew Temperature and COVID-19 Symptoms Logbook.

Besides, the temperature should be measured immediately in case of a crew member's complaint about feeling unwell or bad symptoms.

If a crew member with symptoms such as fever (temperature > 37.2 °C), fatigue and dry cough is identified, the captain should immediately inform the company by attaching copies of the relevant pages of the logbook and take appropriate priority measures to isolate the person(s) suspected of being infected with coronavirus.

### **6. Emergency cases when sailing**

If a suspicious event is detected on board, the crew member or passenger should be immediately instructed to put on the mask and avoid direct contact with other persons on board. The facial mask should be replaced every 4 hours or in cases of deterioration or contamination with suspected patient's body water.

A vessel hospital or cabin should be examined and immediately prepared for use.

A crew member or a passenger with a suspected case must be isolated in the vessel hospital (cabin) and in several cases - in specially prepared cabins.

All information about what has happened (including data from the temperature logbook) should be reported to the company immediately. The company should take whatever measures are necessary to receive and convey reasoned recommendations to the ship captain for further actions on board in the situation at hand.

Access to patients should be restricted. All caregivers should wear personal protective equipment, protective glasses, medical face mask, gloves and a disposable medical gown/coveralls. After each visit to the hospital (cabins), the personal protective equipment used should be removed and disposed of immediately (whenever possible).

Daily cleaning and disinfection should be carried out in the hospital (cabin) where the patient is admitted (stays), as well as in the cabins of those who were in close contact with the patient.

Only disposable cups, plates and other tableware should be used in the hospital (cabin) and treated as contaminated objects when disposing of them.

The vessel should maintain the highest (third) risk level with appropriate precautions, protection, cleaning, and disinfection measures. The company should provide the ship captain with detailed recommendations for further action depending on the developments.

### **7. Activities before entry into the port**

The captain and the company should closely examine the situation and requirements in the port of call for COVID-19, including:

- current COVID-19 situation and local and/or national measures taken;
- information and documents that may be requested by the shore authorities from the vessel;
- possible restrictions or delays in respect of ship operations;
- possible restrictions on crew disembarkation and/or change of crew;
- information on the personnel who will interact with the vessel in port;
- plans to carry out various inspections and checks of the vessel;

- information about the embarkment and/or disembarking procedure;
- possibilities of obtaining a bunker, supply, repair, etc.

It is recommended that as limited interaction between vessel and onshore personnel as possible be agreed upon, and that the exchange of documentation be done primarily in electronic format.

### **8. Precautions with the pilot on board**

The following precautions are recommended:

- perform (if possible) a remote temperature measurement during the pilot reception. Defer taking the pilot if the temperature is above 37.2 °C;
- observe normal social distancing measures;
- provide the pilot with a face mask and disposable gloves, as well as food and water in proper packaging with packaged disinfected tableware;
- keep the bridge clean and disinfected before taking the pilot, regularly during the passage with the pilot (as necessary) and after returning the pilot. Arrange hand sanitizers/soap on the bridge;
- there should be only the necessary members of the navigation watch on the bridge, using face masks.

### **9. Precautions in port**

The following precautions are recommended for the vessel in port:

- organize a 24-hour watch monitoring of access to the vessel;
- gangway watch should use face masks, gloves and protective plastic glasses as well as (if possible) disposable gowns/coveralls;
- restrict access to the vessel by persons not related to its activities, except for work related to production processes;
- shore leave should be limited or prohibited, depending on the risk level;
- conduct mandatory contactless temperature measurement of incoming persons, crew members included, with a record in the vessel visit log;
- not allow persons with fever on board the vessel, including those of the vessel crew;
- make face masks mandatory for visitors;
- restrict to the maximum any contacts of the vessel crew with public onshore with mandatory use of PPE (gloves, masks) when coming ashore.
- a call of a doctor or dentist requires approval from the company and prior instruction for a crew member;
- place mats (e.g., double folded towel) treated with a bleach solution at the entrance to the superstructure and at the entrance to messes;
- make sure to have an antiseptic gel at key points (including at gangways);
- it is recommended to keep the doors to the superstructure closed;
- to exchange information between the vessel and the shore it is recommended to use all available electronic means (telephone, VHF, e-mail, etc.) to minimize physical contacts.



## 10. Precautions with visitors

- 10.1. During the vessel mooring in the port, the number of visitors to the vessel should be reduced to a minimum possible. All visits that are not necessary should be excluded;
- 10.2. It is recommended to obtain information from the port authorities and/or agent regarding all persons, including working teams, who will visit the vessel in port;
- 10.3. When visitors come to the vessel, it is recommended to take (whenever possible) a remote temperature measurement. Defer receiving a visitor if his/her temperature is above 37.2 °C;
- 10.4. Visitors should wear face masks and necessary personal protective equipment;
- 10.5. Visitors are not allowed to bring food aboard the vessel;
- 10.6. When interacting with visitors, the vessel crew members should wear face masks, use respiratory hygiene items and observe social distance whenever possible;
- 10.7. For visitors, separate toilets with paper towels should be allocated (and marked), which should not be used by the vessel crew (if possible);
- 10.8. Masks, disposable gowns, protective glasses, etc., used by visitors should not be brought into the living spaces. They should be put in a sealed container placed at a point near the gangway and afterwards burned in an incinerator, if any;
- 10.9. Areas used by visitors should be regularly disinfected and ventilated as well as after the visitors have left the vessel.
- 10.10. Visitors are not allowed to set sail during the COVID-19 pandemic unless it is required to ensure the vessel operation and/or to perform critical production tasks. In this case:
- 10.11. All visitors intending to set sail should be approved by the company. This also applies to security firm employees;
- 10.12. When interacting with visitors during voyage, the vessel crew members should wear face masks, use respiratory hygiene items and observe social distance whenever possible. Social distance and cleanliness will be of key importance;
- 10.13. It is recommended to organize meals for visitors separately from the main crew;
- 10.14. When sailing, visitors are subject to all requirements for regular body temperature measurements to be recorded in the logbook;
- 10.15. Once visitors have disembarked, the cabins should be thoroughly washed and disinfected.

## 11. Supply and scheduled maintenance of the vessel

- 11.1. When receiving supplies and foodstuff from the shore, it is recommended:
  - to minimize physical contacts with suppliers;
  - to use masks, gloves, other personal protective equipment (and, where possible, disposable gowns/coveralls) in the receiving process that should be disposed of immediately after use (whenever possible);
  - to use standard personal protection measures and social distancing;
  - to treat pallets, foodstuff and supplies with disinfectants as soon as receiving is over;
  - to request the removal and disposal of unnecessary packaging ashore; the remaining packaging should be incinerated immediately in the incinerator, if any;
  - to disinfect the deck and respective spaces after receiving.

11.2. When performing urgent repair work in the port:

- all details of the repair plan should be approved by the company beforehand;
- the vessel, the company and the repair contractor should agree upon the procedures to ensure that no employee with COVID-19 symptoms IS allowed on board the vessel. The recommended option is for the employees to complete the Health Declaration form (see Appendix 1) confirmed by the contractor;
- the vessel, the Company and the contractor should agree on the location of a workers' monitoring station (where their temperature can be monitored) before boarding the vessel. With a temperature above 37.2 °c the worker should not be allowed on board the vessel;
- only one controlled access route for maritime workers to the vessel should be used;
- it is recommended that crew members do not use or touch any land-based equipment, including gangways and stairs;
- in the course of work, the vessel crew should follow the same precautions and encourage protection, hygiene and disinfection measures as when interacting with visitors.

**12. Transportation of passengers on board**

When transporting passengers on board the vessel, it is necessary:

- to complete the Health Declaration Form (see Appendix 1), with the exception of carriage on regular routes. Declaration should be handled with all precautions and storage measures observed;
- with any YES answer, to contact the Company to make a decision on the passenger's admission or denial of transportation based on the risk level in the port;
- to take a remote temperature measurement. Do not carry out transportation if the temperature is above 37.2 °C;
- to ensure regular cleaning and disinfection of spaces used by passengers;
- that the route to the passenger cabin should be strictly defined, marked and not intersect the routes of the vessel crew members;
- that only the appropriate vessel personnel using all required personal protective equipment should contact the passengers;
- to provide passengers with disposable masks and gloves while on board;
- not to shake hands and to maintain safe social distancing;
- to arrange hand sanitizers/soap in sufficient quantities at the places where the passengers are located;
- To use disposable tableware, prevent congestion of passengers during meals or provide tableware disinfection by certified means after each meal;
- to make passengers aware of activities to counteract COVID-19 infection;
- to implement all infection non-spreading measures that apply to vessel crew members.

If there are persons infected with COVID-19 on board, consider possible steps to disembark them where local permanent or temporary hospitals have sufficient capacity to provide adequate medical care. After disembarkation, uninfected or asymptomatic passengers and crew members should be taken to quarantine facilities if necessary for subsequent medical examination, or directly repatriated otherwise. To this end, it is necessary to identify a suitable port(s) that can be connected by transit corridors to the places of repatriation.

For this purpose, passenger ship operators and shipowners should identify repatriation places for the persons intending to disembark. Passenger ship operators or shipowners should provide this information, as well as the way of further transit that they intend to arrange for the port authorities.

For the repatriation of persons on board the vessel potentially infected with COVID-19, operators should take into account federal and local laws against the COVID-19 pandemic.

Whenever temporary difficulties impede the immediate repatriation of nationals due to restrictions imposed in the disembarkation area, passenger ship operators or shipowners should ensure the safe stay of the persons in question, including provision of access to adequate medical care and accommodation.

### **13. Crew change**

Any changes of the crew members are subject to approval by the company. Before sailing, the company ensures that the crew members are examined by a doctor for signs of acute respiratory viral infection (COVID-19 testing if possible). The transfer to the vessel should be organized in a safe and controlled conditions.

During repatriation, all sailors should fully comply with the rules of personal protection, respiratory hygiene and social distance.

If there is a threat of being infected or signs of disease on the vessel:

- the whole vessel crew (including the identified patient) is required to be tested for COVID-19;
- in case the identified sick persons and/or crew members of the vessel are confirmed to be COVID-19 positive, all sick persons should be removed from the vessel;
- after the crew members with confirmed COVID-19 test are removed from the vessel, the isolation ward and the areas where the patient(s) and the emergency team were located, the locations passed by the patient during the evacuation should be disinfected, after which cargo operations and leaving of the port are allowed according to the standard rules of the port.

### **14. Vessel disinfection**

- 14.1. Place antiseptics at the entrance to/exit from the living and public spaces of the vessel or ensure that the vessel crew members are issued individual sanitizers.
- 14.2. Carry out regular cleaning with disinfection and airing of the premises, use bactericidal lamps.
- 14.3. Carry out disinfection of air intakes and return grills of vessel ventilation systems every month using disinfectants of viricidal action.
- 14.4. Cleaning and disinfection should be carried out using appropriate personal protective equipment (see Table 1)

Table 1 - Personal protective equipment (PPE)

<b>PPE - regular cleaning</b>	<b>PPE - locations prone to confirmed cases of infection</b>	<b>PPE - locations where the confirmed patient was</b>
Gloves	Gloves	Gloves
Face mask	Surgical mask	Mask N95 (or analogue) and eye protection glasses / face protection mask
Coveralls	Replacement work clothing or antiviral coveralls	Disposable gown or antiviral coveralls

14.5. Make use of PPE subject to the following measures:

- gloves, masks, disposable gowns should be removed and disposed of after cleaning / disinfection;
- hands should be washed with soap and water as soon as each PPE has been removed, once the cleaning is complete;
- eye protection glasses / face mask should be disinfected after each use.

14.6. Normal cleaning and wet cleaning of the vessel premises and decks should be carried out in accordance with the established procedure involving the regular measures to prevent coronavirus spreading.

14.7. Preventive disinfection of higher levels should be carried out on a weekly basis and, if the risk level increases, on a daily basis.

14.8. If there is an actual or suspected case of COVID-19 infection, emergency disinfection of the vessel and that of potentially infected spaces is performed. The general practice of such disinfection includes the following elements:

14.8.1. Wherever possible, spaces where a confirmed patient stayed should be closed and sealed before cleaning and disinfecting contaminated surfaces. Closed spaces are recommended to be left untouched for at least 3 hours after the confirmed patient has left the area.

14.8.2. Before entering an infected premise and starting the cleaning, be sure to wear appropriate PPE according to the recommendations (see Table 1).

14.8.3. Appropriate disinfectants of viricidal action should be used, as recommended by the manufacturer, including:

- to disinfect surfaces, use a bleach solution (1 part of bleach in 50 parts of water, or 1000 ppm);
- for disinfection of metal surfaces an alcohol solution is used (70% isopropyl, 60% ethyl alcohol).

14.8.4. Disinfection procedure:

- If the surface is dirty, clean it with detergent or soap and water before disinfecting;
- to disinfect clothes and bed sheets, use washing machine and powder for laundry at a temperature of at least 60 °C;
- use appropriate disinfectant for daily cleaning and disinfecting surfaces that are frequently touched;
- moisten the napkins with a prepared disinfectant or bleach solution and use them to wipe all areas that are frequently touched (e.g. lifting buttons, handrails, door handles, armrests, seat backrests, tables, air conditioning/lighting controls, keypads, switches, etc.);
- when cleaning decks or horizontal surfaces, apply uniform wiping movements to prevent respiratory drops or splashes;
- avoid using sprayers to apply disinfectant to potentially highly contaminated areas (e.g., toilet bowl or surrounding surfaces as this can lead to splashes that could further spread the virus);
- remove and disinfect (or incinerate) the curtains, fabrics, blankets, mattresses, pillows, carpets that the patient used;
- repeat deck cleaning with a prepared disinfectant or bleach solution from one end of the premise to the other;
- regularly disinfect air intakes and return grills in the centralized air conditioning system.

14.8.5. Once the disinfection is complete, the disposable cleaning equipment and materials should be collected, bagged as hazardous biological waste and properly disposed of.

14.8.6. Properly disinfect all other cleaning equipment and materials that will be used repeatedly.

## **15. Preparation, training and drills on board**

Crew members should have a clear understanding of the danger and risks associated with the spread of COVID-19, adopt and support a policy of prophylaxes and prevention of coronavirus, and be able to act effectively in the unfolding epidemiological situation.

With this aim in mind, there should be appropriate training and drills conducted regularly (at least once a month) onboard the vessel according to the program prepared by the Company.

The Company should brief every crew member sent to the vessel accordingly, taking into account his/her position and duties.

## 16. Psychological support of sailors

Companies should boost the psychological support of sailors who have found themselves at the forefront during the coronavirus outbreak. While discharging their professional duties, sailors face specific psychological problems, including:

- a sense of increased risks with regard to COVID-19 related to voyages to ports of different states with unfavorable coronavirus situation, as well as to flights from and to a vessel;
- lack of normal rest between voyages due to restricted or expressly forbidden shore leave in many ports of the world;
- delays in entering and leaving the port and detention of vessels for coronavirus reasons (up to quarantine) which disrupts not only the vessel schedule but also the personal plans of sailors;
- problems with crew changes due to the actual disruption of regular air services, closure of borders of states, quarantine delays;
- possible considerable exceedance of contractual terms of work on board the vessel due to the impossibility for the relief crew to arrive at the vessel, etc.

In this situation, shipping companies should boost the psychological support and emotional care of employees by recognizing their problems, expressing appreciation to those who perform their work decently and avoiding discrimination against those who have been quarantined or confirmed as COVID-19 positive.

Such support should include:

- maintaining the most favorable environment for sailors within the shipping company;
- assistance in creating and strengthening a psychological sense of security for employees (primarily sailors);
- positive treatment of employees with overreacting emotions or resistant behavior - they should be considered from a humanistic perspective with sufficient understanding and benevolence;
- assistance in organizing effective rest for sailors.

It is recommended that companies establish (or improve) a system of psychological medical care for employees, including:

- coordinated development of three systems of social support - information, material and emotional - to ease the psychological tension of the personnel;
- continuous work on personnel's psychological evaluation, evaluation of the health condition and development of positive motivation for further work;
- organizing and conducting psychological stress tests;
- paying special attention to those who are quarantined, at risk or confirmed patients, in order to eliminate any discrimination and to motivate the physical and psychological recovery of employees.

The personnel of these special groups can be provided with timely training, professional help from psychologists as well as practical assistance in overcoming their life difficulties.

Annex 1 - Health Declaration Form Model **HEALTH DECLARATION FORM**

FULL NAME Vessel name			
1.	Do you have any of the following symptoms (similar to flu)?		
	Elevated body temperature	Yes	No
	Cough	Yes	No
	Shortness of breath	Yes	No
	Sore throat	Yes	No
	Nasal congestion	Yes	No
	Nasal discharge	Yes	No
	Muscle and joint pain	Yes	No
	Chest pain	Yes	No
	Diarrhea	Yes	No
	Tiredness	Yes	No
	Other symptoms (please list):		
2.	List the countries you've been to in the last 14 days	From	To
	1.		
	2.		
	3.		
	4.		
	5.		
3.	Have you been in close contact with any person suffering from COVID-19 in the last 14 days?	Yes	No
4.	Have you been admitted or visited a hospital in the last month?	Yes	No
	If yes, state your reasons:		
5.	Statement: I hereby confirm that the information I have provided is true and correct		
Date	/		/
	signature		full name

## Temporary recommendations for sea and river ports and passenger terminals on prevention of the spread of COVID-19

This Guide has been developed for sea and river ports involved in passenger operations with a view to draw up a plan for the prevention and control over the spread of coronavirus infection COVID-19 and to take measures in accordance with current international and national requirements and recommendations for the prevention of imported cases and the recurrence of domestic epidemics.

The Document covers the organization of interaction between land-based structures, vessels coming from different countries or regions of the Russian Federation affected by coronavirus infection to varying degrees, provision of preventive measures and control over sanitary condition of arriving vessels, terminals, other buildings and structures intended for work with passengers and crews of passenger vessels, and implementation of measures for protection of health of port personnel and healthcare professionals (see Appendix 1 for infographics).

### 1. General provisions and regulatory references

1. General normative legal documents regulating the prevention of COVID-19 spreading in sea and river ports, port facilities;
  - 1.1. In order to ensure the safe operation of sea and river ports involved in passenger operations, a system of measures is being developed to provide for activities in the high-risk conditions due to the coronavirus COVID-19 pandemic.

The Guide is based on existing international and national requirements and recommendations, including those of the World Health Organization (WHO), International Maritime Organization (IMO), International Chamber of Shipping (ICC), Rospotrebnadzor (Russian consumer health watchdog), and Rosmorrechflot (Federal Agency for Maritime and River Transport of Russia).

- 1.2. Marine passenger terminal is a complex of facilities of sea port infrastructure technologically inter connected and intended and (or) used for carrying out cargo operations, including its transshipment, servicing of vessels, other transport means and (or) passenger service<sup>1</sup>.

River-boat station (port) (hereinafter, port) is a complex of structures located on the land plot and water area of inland waterways, arranged and equipped to serve passengers and vessels, loading, unloading, receiving, storing and releasing cargo, interaction with other modes of transport. A port (berth) in which at least one of the legal entities or one of the individual entrepreneurs carries out, by virtue of law or under license, activities related to inland waterway transportation, at the request of any natural or legal person, is a public port or berth<sup>2</sup>.

Berth, landing stage is a waterside structure offering devices for safe approach of vessels and intended for safe mooring of vessels, their loading, unloading and servicing, and also embarkation of passengers on vessels and their disembarkation from vessels<sup>3</sup>.

A floating object is a non-self-propelled floating structure that is not a vessel, including a floating landing stage, a floating (afloat) house, a hotel, restaurant, pontoon, raft, pontoon bridge, floating pier, and other technical structures of a similar nature.

<sup>1</sup> Para 7 Article 4 of Federal Law dated 08.11.2007 No. 261-FZ “On sea ports in the Russian Federation and on amendments to certain legislative acts of the Russian Federation”

<sup>2</sup> Article 3 of Federal Law dated 07.03.2001 No. 24-FZ “Inland Water Transport Code of the Russian Federation”



All vessels means, for the purposes of these recommendations, all seagoing vessels covered by the Merchant Marine Code, as well as all vessels covered by the Inland Water Transport Code.

1.3. The procedure for transportation of passengers and their baggage is regulated by the rules for transportation of passengers and their baggage approved by the federal executive authority in the field of transport<sup>4</sup>. At present, the Rules for the provision of transportation services for passengers, luggage and cargo for personal (domestic) needs by inland water transport approved by Decree of the Government of the Russian Federation No. 72 dated 06.02.2003 are applied.

1.4. Key provisions underpinning the Guide:

- early detection of potential coronavirus infection spreaders;
- use of personal protective equipment (hereinafter, PPE), individual hygiene measures, ensuring social distance between people;
- provision of the rapid transmission of viral hazard information to all port employees, relevant response and assistance services.

## 2. Classification of ports and port facilities

Port facilities that provide passenger handling are classified according to the following criteria:

- the process-oriented function of the port facility, which defines the amount of passenger traffic;
- the geographical nature of the passenger traffic.

According to the process-oriented function, the port facilities are subdivided into:

- passenger ports;
- individual passenger terminals (including those at commercial sea ports);
- berths, landing stages that carry out passenger handling.

The geographical nature of the passenger traffic is subdivided into:

- people coming from badly affected countries (with over 5,000 confirmed cases);
- people coming from moderately affected countries.

## 3. Measures to organize passenger handling and service operations at the port to reduce the risk of COVID-19 spreading

3.1. Passenger handling and service operations are distinguished by the criteria of batch nature and rhythmicity of mass movement of people:

- passenger handling - one-time, codirectional (disembarkation/embarkation) relatively short movement of large masses of people strictly along the allocated corridors under continuous monitoring of the port facility personnel as well as of state services;
- service operations (provision of free practice, agenting, supply, waste and garbage removal, bunkering, current repair and maintenance, cargo operations, surveyor inspection, seaworthiness certifications, cleaning, disinfection, etc.) - continuous contra-directional prolonged movement of small groups of people and individuals along various routes beyond the continuous

<sup>3</sup> Ibid.

<sup>4</sup> Article 3 of Federal Law dated 07.03.2001 No. 24-FZ "Inland Water Transport Code of the Russian Federation"

monitoring of port facility personnel as well as state services.

The main measure aimed at reducing the risk of COVID-19 spreading is the organization of multiple access with time division (time slots) of personnel involved in the performance of service operations, while ensuring the continuity of its monitoring (use of prescribed personal protective equipment, following the specified routes, exclusion of non work-related contacts, etc.) within the port facility.

3.2. Measures taken during basic vessel handling operations in the port:

*Pilotage.* The meeting and safety sailor(s), pilot(s) and crew members on the pilot bridge should use PPE, which includes safety glasses. Mandatory contactless temperature measurement of incoming persons is performed with a record in the vessel visit log.

Pilots' contacts with crew members who are not involved in the process of vessel control, including while proceeding to the pilot bridge and leaving the vessel, and with passengers are excluded. The persons not directly related to the vessel control process are not allowed to be on the pilot bridge.

*Mooring.* Port workers involved in vessel mooring operations (mooring and unmooring, ship re-anchoring) use PPE. At the end of the work, working clothes, work gloves and reusable safety glasses are returned for cleaning and disinfection.

*Registration of the vessel arrival.* The vessel watchkeeping, representatives of the vessel administration and members of the commission should use PPE, which includes safety glasses, and overshoes, for the members of the commission. Mandatory contactless temperature measurement of incoming persons is performed with a record in the vessel visit log.

Commission members' contacts with crew members not directly involved in the work of the Commission and with passengers are excluded. If these contacts are necessary, the crew and passengers use PPE.

*Cargo and luggage operations.* A 24-hour watch monitoring of access to the vessel is organized. Mandatory contactless temperature measurement of incoming persons is performed with a record in the vessel visit log.

Access to the vessel by persons not related to its activities is excluded, except for work related to production processes.

Regular (every 2 hours) airing of cargo and public spaces in the vessel superstructure is carried out.

The use of bactericidal lamps, air recirculators for regular air disinfection (if possible), as well as daily disinfection of the ventilation system of the vessel cargo spaces using disinfectants of viricidal action is provided in cargo and public spaces.

#### 4. Organization of access of persons to the port

- 4.1. The existing transport security system provides a 24-hour control over all access points to the port or port facility (terminal). The entrance to the marine passenger terminal (river-boat station) should have clear warning signs about the requirement to wear personal protective equipment in its premises and in the territory.
- 4.2. If technically feasible, the arrival and departure zones of passengers are allocated within the marine passenger terminal (river-boat station). Passenger flows do not intersect along the entire route. If zones cannot be separated, the arrival and departure of passengers is separated by time. At passenger terminals, routing and boarding arrangements should be clearly established to prevent passengers congestion.
- Passage through the screening area (guard post at the checkpoint) is organized individually, separate for entrance and exit. At the terminal, floor (ground) markings are applied to help observe the necessary social distancing (not less than 2 meters) between passengers in line.
- In the immediate vicinity of the screening area, a separate lockable and access- controlled room(s) is (are) allocated for the prompt isolation of persons with symptoms of the disease (“red zone” or quarantine zone).
- Contacts of persons who have passed a checkpoint and those awaiting a pass are excluded by means of engineered safety features.
- 4.3. Calibrated contactless thermometers are installed at appropriate locations for passenger monitoring. All inbound and outbound passengers are checked for body temperature, and inbound passengers fill out a standard health declaration. The presence of external signs of respiratory diseases, which are possible evidence of infection with coronavirus COVID-19, is detected visually. The body temperature measured by proximity should not exceed 37.2 °c.
- The Health Declaration (Appendix 3) includes health complaints, information about elevated body temperature, respiratory phenomena, occurrence of contact with those infected with coronavirus within 14 days before the vessel arrival and is signed by the passenger. If persons arriving at the passenger terminal have not been properly checked, the watch at the entrance to the terminal and at the gangways of the arriving vessels should similarly hold interviews with all visitors as to whether they have developed any symptoms of acute respiratory diseases (sore throat, runny nose, cough, body pain, diarrhea, loss of smell, etc.) in the last 14 days and whether they have traveled to other countries / regions in the last 14 days (not applicable to arriving vessels). If such symptoms and persons are detected, they are not allowed to enter the passenger terminal or the passenger vessel and a report is filed with the terminal authorities.
- 4.4. The use of PPE (protective masks or respirators, disposable gowns/coveralls, gloves and disposable protective plastic glasses) for terminal employees discharging direct port access control duties is mandatory on an ongoing basis according to the risk level of the port.
- The working clothes of these employees should be subjected to centralized high temperature steam disinfection for 20 to 40 minutes or UV treatment for 1 to 2 hours when the employees stay out of work during the day. In emergency cases, clothes can be treated with 75% alcohol by wiping or spraying.
- When using disposable safety masks, port personnel should periodically (once every 2 hours) replace the mask with a new one. The gloves should also be periodically changed during the work shift or treated with an antiseptic solution when put on the hands.
- The staff controlling passengers and others must wash their hands with soap or use hand sanitizers regularly (at least once in 2 hours).

- 4.5. When checking documents, contactless methods are preferred. However, regardless of the documents checking methods used, a safe distance of at least 1 meter should be ensured between the port representative and the visitor at all times as well as between individual shift members. Means of communication with the port medical service to provide appropriate medical care or evacuation should be available at all times.
- 4.6. Passengers and visitors entering the port (marine passenger terminal or river-boat station, berth) are made informed about the danger of the coronavirus COVID-19 pandemic and the measures taken in the port.  
When staying on the territory of the port facility, the use of PPE on a regular basis is mandatory.
- 4.7. Vessels coming from countries or regions badly affected by the COVID-19 coronavirus pandemic are allocated a separate berth, where the berthing of other vessels is prohibited until the vessel leaves the port and the berth is disinfected. Passengers of such vessels leave the port at a designated time through a quarantine waiting area to reduce the intersection of human flows. The quarantine waiting area is disinfected after the passengers departure.
- 5. Preventive, condition monitoring and restrictive measures for personnel, passengers and other persons implemented in port to reduce the risk of COVID-19 spreading**
- 5.1. The port takes all necessary preventive, condition monitoring and restrictive measures for personnel, passengers and other persons. Passenger terminal services ensure that all incoming passengers, crew members and visitors are checked in an appropriate manner (questionnaire survey, body temperature measurement, complaint survey, examination).  
Prior receipt of medical and sanitary information is provided through the vessel's agent, from the carrier company, or directly when the vessel port entry is registered. This greatly facilitates barrier measures directly at the marine passenger terminal or river-boat station.
- 5.2. Antiseptic gel (skin antiseptic) in elbow / automatic dispensers should be placed at the entrance to the passenger terminal and on the berths at the gangways of incoming vessels.
- 5.3. All passengers, crew members, representatives of regulatory authorities and agencies, service specialists and other technical personnel (hereinafter, visitors) should wear protective face masks and disposable protective gloves when in public places. When being accompanied, passengers and visitors should keep at a safe amount of a social distance from each other (2 meters is recommended). Recommendations for wearing PPE are given in Appendix 2.  
The mask should be tight-fitting to the face to completely cover the nose and mouth. When the mask is put on or being removed, do not touch the outside of the mask with your hands to avoid contamination of your hands. After the face mask becomes dirty, It should be replaced immediately with new one and hands should be sanitized with disinfectant both before and after replacement.
- 5.4. All persons entering the passenger terminal and leaving the vessels in the port should take contactless body temperature measurements. Any visitor whose temperature is above 37.2 °c or who does not use PPE is not allowed in the passenger terminal.

- 5.5 Passengers with symptoms should be directed to a quarantine area and the port medical service should be called in order to make a subsequent decision and inform the regional public health authorities. Passengers' personal information and contact mobile phone numbers are provided for the purpose of further monitoring.
- 5.6 Disinfection of passengers' hands is mandatory at every boarding of the bus during the tour. All persons accompanying sightseeing buses during the tour are provided with hand sanitizers. Alcohol-based disinfecting wipes are recommended for hands cleaning and sanitizing. Keep your hands away from nose, mouth and eyes when you are not sure your hands are clean. When sneezing or coughing, try to lower your head or turn away from others, and cover your mouth and nose with a napkin or bent elbow. After that, the hands should be cleaned with soap or hand sanitizer under running water, followed by disinfection of the hands.
- 5.7 Reusable safety glasses should be sterilized and dried each time after use. Safety glasses with antifogging film are washed with clean water, then exposed to direct LTV radiation for more than 30 minutes in rooms with no people.
- 5.8 Passengers and crew members are not allowed to bring food on board / take food off the vessel. Eating at the workplace is forbidden.
- 5.9 There should be separate toilets in passenger terminals for terminal workers and visitors, provided only with paper towels.
- 5.10 Passenger terminal passageway areas, as well as toilet facilities and other public places should be regularly (at least once every 2 hours) disinfected and ventilated.
- 5.11 Ventilation and air conditioning systems are controlled according to the structure and layout of the terminals, and taking into account the local climate to ensure better air circulation. At moderate temperatures, doors and windows can be opened. When using air conditioning system, it is possible to start full operation with outdoor air inflow without using recirculation mode, to keep the air clean. Exhaust fans should be cleaned and disinfected once a month.
- 5.12 Measurement of the body temperature of passenger terminal personnel is carried out by contactless thermometers twice during a work shift. The thermometry results are recorded in the Logbook of Passenger Terminal Personnel's Temperature and COVID-19 Symptoms. If an employee's body temperature exceeds 37.2 °c, he/she is suspended from work, isolated and directed to a health care facility by sanitary transport. Thereafter, such an employee is allowed to work upon presentation of a certificate from the health care facility about his/her recovery or absence of illness.
- 5.13 The measures to ensure the port operating conditions in the presence of sporadic COVID-19 morbidity in the territory should include provision of the personnel in accordance with the specified risk level (Appendix 4) with the following:
- minimum supply level of PPE (protective face masks or respirators, disposable protective gowns/coveralls, gloves and disposable protective plastic glasses);
  - disinfectants of viricidal action;
  - contactless thermometers;
  - with skin antiseptics, disinfectant wipes;
  - disposable tableware for use in messes.

**6. Organization of access of transport and cargo to the port**

- 6.1. Delivery and removal of cargo and transport means to (from) the port facility is carried out by prior requests, with the organization of multiple access with the division by time (time slots).
- 6.2. Passage of drivers, freight forwarders, members of engine crews, shunting masters and other persons arriving by transport through the screening area separated from the passenger passage zone (guard post at the checkpoint) with visual detection of symptoms and check of body temperature is provided individually, separately for entrance and exit, after the transport is placed in inspection and examination complexes.
- 6.3. Examination facilities are disinfected on a regular basis. Hands sanitizers are provided in the examination passageways.
- 6.3. In ports of high risk, it is recommended to disinfect the cabins and surfaces, which are usually touched with hands during cargo handling operations, of transport means entering passenger vessels (ferries) for carriage.

**7. Disposal of and accumulation of waste resulting from countering the spread of COVID-19**

All disposable protective equipment should be placed in yellow medical waste bags after use. Once accumulated, it should be sprayed or sprinkled until completely impregnated with a chlorine-containing disinfectant (500 mg/l to 1000 mg/l) before cleaning and packed in a tightly tied plastic bag for centralized disposal as medical waste.

Medical waste storage areas are wet cleaned and disinfected after disposal.

**8. Special cases of port operations, reducing the risk of COVID-19 spread (handling of dangerous cargos, cargo operations on ferries with passengers, disinfection)**

- 8.1. Cargo handling operations on the passenger carrying vessel are carried out strictly in the following order:
  - first loading the cargo, then boarding of passengers;
  - first disembarking of passengers, then unloading the cargo.
- 8.2. Loading and unloading of automobile and railway ferries can be carried out simultaneously with boarding and disembarking of passengers, excluding direct contact of passengers (except drivers) with transport means. Visual detection of symptoms and body temperature monitoring of drivers are carried out separately from passengers.

- 8.3. Vessel's agents, stevedores, dock engineers, cargo surveyors and other persons providing for loading and unloading operations and related commercial operations are not allowed to contact passengers.

While on the territory of the port facility and on the vessel, the said personnel use personal protective equipment at all times.

The stay of passengers in the areas of loading and unloading operations, in cargo spaces of vessels, at warehouses and in cargo areas of port facilities is strictly prohibited.

- 8.4. Disinfection of the port public areas should be carried out in accordance with the recommendations on prevention of COVID-19 coronavirus infection in public places, guideline on disinfection methods in public places and guideline on the use of disinfectants. It is recommended that ports with low risk should carry out preventive disinfection as may be necessary, while ports with moderate or high risk should carry out disinfection more frequently, as often as daily. The frequency of disinfection increases as may be necessary and as the number of passengers in key crowded public areas increases.

- 8.5. Daily preventive disinfection is carried out in public areas of the port passenger terminal. It includes air disinfection using natural ventilation where possible. Disinfectants with a chlorine content of 250 mg/l to 500 mg/l or a chlorine dioxide spray of 250 mg/l can be used for at least 30 minutes, and 2% hydrogen peroxide with an ultra-low spray volume of 10 ml/m<sup>3</sup> can be used in crowded public areas for 60 minutes. Ventilation is done when disinfection is complete.

Regular disinfection of the surface is carried out in crowded public areas where there are surfaces that are usually touched with hands (e.g. reception desks, document check desks, buttons in lifts, door handles and handrails, vending machines, etc.). It is recommended to use a chlorine-based disinfectant at a concentration of 250 mg/l to 500 mg/l or a chlorine dioxide spray at a concentration of 250 mg/l.

- 8.6. In case of a suspected or confirmed case of disease, the terminal is subjected to unscheduled disinfection.

As soon as the medical services take the patient out of the port terminal, additional disinfection of the quarantine area, where a person with suspicious symptoms stayed, is carried out. Additional disinfection is carried out by professional services using chemical disinfectants.

One of the following methods is recommended:

- 8.6.1. Devices for disinfection with gaseous hydrogen peroxide can be used for overall disinfection of air, environment and surfaces of objects. A specific operation can be carried out in accordance with the operation manual of the equipment .
- 8.6.2. Peroxyethanoic acid 0.5%, hydrogen peroxide 3% or chlorine dioxide 500 mg/l can be used for air disinfection by aerosol spraying with 10 to 20 ml/m<sup>3</sup>. The windows should be closed before disinfection and the surface and space should be evenly sprayed, from top to bottom and then left to right. Windows can be opened for ventilation in 60 minutes after disinfection.
- 8.6.3. For crowded public areas and quarantine areas, application can be done by spraying for at least 30 minutes or wiping with chlorine-based disinfectant with concentrations of 1000 mg/l to 2000 mg/l. If there are obviously contaminated objects, the 10,000 mg/l chlorine-based disinfectant is used for more than 30 minutes.

**9. Features of passenger handling on inland waterways of the Russian Federation**

9.1. River-boat stations, berths, landing stages and floating objects which passenger vessels may approach are characterized by relatively small size of the vessels in use and low level of engineering and technical equipment of individual landing stages, berths, floating landing stages and other port facilities (including security equipment).

In these conditions, the danger is posed by uncontrolled wrongful unauthorized movement of passengers, which includes bypassing boarding/disembarkation devices and access points to the port facility.

9.2. The main measures aimed at reducing the risk of COVID-19 spreading include early notification of passengers about impermissibility of wrongful actions and the necessary engineering retrofitting of individual landing stages, berths, floating landing stages with mobile systems of technical security equipment for vessels and port facilities. Regular disinfection of these facilities is carried out judging from the low risk basis. If the risk of infection in a particular region of the Russian Federation increases, local passenger traffic is suspended.

9.3. For local lines, optimized passenger boarding schemes (usually by 20% less than the standard capacity) and a ban on standing places even for short distances are one of the possible ways to ensure social distancing during transportation. Announcements about the proper passengers' conduct to counteract the spread of COVID-19 coronavirus infection are transmitted via a ship's announcing system.

**10. Technical means to reduce the risk of COVID-19 spreading**

10.1. Technical means to reduce the risk of COVID-19 spreading include:  
 diagnostic technical means (helping to detect a diseased person);  
 technical means of individual and collective protection against viruses and other germs;  
 technical means of disinfection (decontamination).

10.2. The first group includes diagnostic laboratory test systems, contact / contactless thermometers and thermal screening systems. The latter are most relevant for passenger terminals, where the flow of visitors is quite intense, and measuring the body temperature with thermometers takes more time and reduces the flow of visitors on their route. Modern thermal screening systems operate in automatic mode by a predetermined algorithm to detect individuals with elevated body temperature with a fairly small error.

At present, the use of laboratory diagnostic test systems is a rather cumbersome, specific, time-consuming and expensive process and is not applicable in passenger terminal conditions. However, innovative technologies imply the advent of express tests (systems) soon that would allow detecting a COVID-19 virus positive (carrier) in a short period of time. The introduction of express systems at passenger terminals is considered justified.

10.2. Technical PPE against viruses and other germs includes all kinds of respirators and protective coveralls. Technical means of collective protection against viruses and other germs include technical filtering systems with air disinfection and ventilation of premises, halls, compartments, etc. They use various technologies of purification, filtering, ultraviolet irradiation of the passing air, its high-temperature treatment, cooling and humidification. Air is disinfected in places where passengers stay for long periods of time by means of purification units. The use of air recirculators is recommended in toilet rooms and quarantine areas.

10.3. Technical means of disinfection (decontamination) include air and surfaces ultraviolet irradiation devices (open and closed type), disinfection kits, devices and machines.



## **Methodical Guidelines on Gradual Lifting of Anti-epidemic Restrictions Imposed due to COVID-19 when Resuming Passenger Carrying Operations in Civil Aviation**

These Methodical Guidelines have been developed to resume passenger carrying operations by air for the citizens of the Russian Federation and gradually lift anti-epidemic restrictions imposed due to the spread of the novel coronavirus infection.

Considering the recommendations of Rospotrebnadzor, a three-stage plan of lifting restrictions imposed due to the changing situation with coronavirus infection COVID-19 providing for the division of requirements to passengers and the crew has been proposed.

### **Regulatory documents applied:**

“MR 3.1.0170-20. 3.1. Infectious Diseases Prevention. Epidemiology and Prevention of COVID-19. Methodical Recommendations” (approved by Chief State Sanitary Doctor of the Russian Federation on 30.03.2020) (rev. as of 30.04.2020);

Letter from Rospotrebnadzor No. 02/7373-2020-32 as of 20.04.2020 “On Providing Recommendations for Managing Transport and Transport Enterprises” (together with “Recommendations for Managing Transport and Transport Enterprises under Sustaining Risk of COVID-19 Spread”);

Letter from Rospotrebnadzor No. 02/7376-2020-24 as of 20.04.2020 “On Providing Recommendations for Managing Enterprises under Conditions of COVID-19 Spread (together with “Recommendations for Managing Enterprises under Sustaining Risk of COVID-19 Spread”);

Letter from Rospotrebnadzor No. 02/9449-2020-23 as of 15.05.2020 “On Recommendations for Infection Spread Prevention”;

World Health Organization Interim Guidance as of 19.03.2020 “Handling Sick Passengers at Entry Points (International Airports, Seaports and Ground Checkpoints) among COVID-19 Outbreak”;

“Methodical Guidelines “Quarantine control at the airports open for international passenger traffic” MY 3.4.1180-02” (approved by Chief State Sanitary Doctor of the Russian Federation on 05.12.2002).

### **General organizational and preventive measures and measures at airports**

In order to control COVID-19 spread and prevent recurrence of internal epidemics, airports have two risk levels: low and high.

An airport is considered to have a high risk level in terms of the epidemic prevention if there are passengers and flights from severely affected countries (regions) (with more than 50,000 confirmed cases of the disease).

Depending on the risk level, differentiated preventive and control measures shall be implemented at airports. Risk levels shall be adjusted depending on the situation with the infection spread.

Stages of restrictions lifting are set based on the indicators of the constituent entity where the airport is located determined in accordance with the Methodical Recommendations MR 3.1.0178-20 approved by Head of the Federal Agency for Consumer Rights and Human Welfare.

For the airports located in Moscow and in the Moscow Region the stage is determined based on the worst indicator of two constituent entities of the Russian Federation.

Observation of the measures of personal hygiene by airplane crew members (frequent hands washing with liquid soap, sanitizing hands with skin antiseptics, usage of masks, gloves, etc.).

Providing airplane crew members onboard with sufficient personal protective equipment (masks, gloves).

Providing passengers onboard with masks, the number of which is determined by the quantity of passengers onboard considering the flight duration and change of masks every 3 hours.

List of measures on gradual lifting of the restrictions is given in Table 1.

Table 1

No.	Measure	Plan				Results
		Present time	First stage of lifting restrictions	Second stage of lifting restrictions	Third stage of lifting restrictions	Expected result
<b>1. General organizational and preventive measures</b>						
1.1	Informing about prevention of the novel coronavirus infection	Applicable	Applicable	Applicable	Applicable	Aviation workers have been informed about the infection prevention methods. Personal protective measures are being observed
1.2	Observation by aviation enterprises and airport workers of social distancing principles given the infrastructure capacity. Creation by aviation enterprises and airports of conditions for employees to observe social distancing. Prevention of mass gathering of employees at checkpoints, health posts, etc.	Applicable	Applicable	Applicable	Applicable	Employees shall keep the distance of at least 1.5 meters from each other in public places. In working rooms with an area of up to 50 sq. m. - 5 persons, maximum; up to 100 sq. m. - 10 persons, maximum; up to 200 sq. m. - 25 persons, maximum; over 200 sq. m. - 50 persons, maximum
1.3	Wearing masks and gloves by aviation enterprises and airport workers at their workplaces	Applicable	Applicable	Applicable	Applicable	All workers wear masks and gloves at their workplaces. Masks are changed every 3 hours or following the manufacturer's instructions
1.4	Sanitizing hands with disinfectants by aviation enterprises	Applicable	Applicable	Applicable	Applicable	Availability of antiseptics for workers is provided at aviation enterprises and

No.	Measure	Plan				Results
		Present time	First stage of lifting restrictions	Second stage of lifting restrictions	Third stage of lifting restrictions	Expected result
	and airport workers. Availability of disinfectants provided by the employer					airports. Workers sanitize their hands every 3 hours (if possible) after changing the mask
<b>2. Measures at airports</b>						
2.1	Informing passengers about the need to use personal protective equipment at the airport and onboard the airplane	Applicable	Applicable	Applicable	Applicable	Passengers are informed about the need to use personal protective equipment during the whole stay at the airport and onboard the airplane
2.2	Informing about the need to minimize the number of accompanying persons at air terminals	Applicable	Applicable	Applicable	Cancelled	Minimum quantity of people at the airport area
2.3	Informing about prevention of long (more than 2 hours) stay of persons at air terminals and airports except for passengers (having tickets) and their accompanying persons as well as workers and employees of the companies conducting business at the airport area	Applicable	Applicable	Applicable	Cancelled	Prevention of mass gathering at airports
2.4	Availability of disinfectants for passengers	Applicable	Applicable	Applicable	Applicable	Passengers have the opportunity to use disinfectants

No.	Measure	Plan				Results
		Present time	First stage of lifting restrictions	Second stage of lifting restrictions	Third stage of lifting restrictions	Expected result
2.5	Given the infrastructure and technical capacity, creating conditions for social distancing at the places where passengers may gather in masses except when the relevant recommendations cannot be implemented due to service procedures and aviation and transport safety requirements	Applicable	Applicable	Applicable	Applicable	Social distancing marking at the places where passengers may gather in masses
2.6	Involving minimum personnel in the airport operation including ground servicing personnel and third party providers	Applicable	Applicable	Cancelled	Cancelled	Minimum quantity of personnel at the airport
2.7	Daily personnel briefings on work under conditions of infection spread	Applicable	Applicable	Applicable	Cancelled	Informing airport personnel about working under conditions of infection spread and emergency procedures
2.8	Monitoring body temperature of airport, ground servicing companies and third party providers personnel	Applicable	Applicable	Applicable	Applicable	Monitoring state of health of airport personnel
2.9	Ban on work of public catering enterprises and shops at the airport except for those offering takeaway meals and cafeterias for airport personnel under observation of social distancing	Applicable	Applicable	Applicable	Cancelled	Prevention of personnel and passengers mass gathering
2.10	Checking temperature using thermographs or infrared non-contact thermometers at the entrance to the air terminal of the	Applicable	Applicable	Applicable	Cancelled	All persons entering air terminals of federal and international airports shall undergo temperature check with the usage of thermographs. Persons having elevated body

No.	Measure	Plan				Results
		Present time	First stage of lifting restrictions	Second stage of lifting restrictions	Third stage of lifting restrictions	Expected result
	airport (for passenger entrances)					temperature (over 37°) are banned from visiting air terminals. Passengers having elevated body temperature (over 37°) shall inform medical staff of the airport health post
2.11	Contactless temperature checks at passenger entrances to air terminals	Applicable	Applicable	Applicable	Cancelled	Contactless temperature checks of all persons entering airports of regional and local airlines
2.12	Mandatory monitoring crew members' body temperature during preflight medical examination, in case of several flights - before every flight. Mandatory suspending persons having elevated body temperature (37° and higher) and signs of infectious disease from work	Applicable	Applicable	Applicable	Applicable	Mandatory monitoring crew members' body temperature when conducting preflight medical examination, in case of several flights - before every flight, is carried out
2.13	Arranging aviation enterprises, airport personnel and visitors following the recommendations on social distancing observation given the infrastructure capacity of the airport except for the cases when the relevant recommendations cannot be implemented due to service procedures and aviation and transport safety requirements	Applicable	Applicable	Applicable	Applicable	Aviation enterprise, airport workers and visitors shall keep the distance of at least 1.5 meters from each other

No.	Measure	Plan				Results
		Present time	First stage of lifting restrictions	Second stage of lifting restrictions	Third stage of lifting restrictions	Expected result
2.14	Increase in quarantine control of airplanes and persons arriving from abroad	Applicable	Applicable	Applicable	Cancelled	Quarantine posts staff Carry out quarantine control of every arriving international flight. At Stage 3 quarantine control is carried out if there are risks related to sanitary safety of population
2.15	Daily prophylactic cleaning with disinfectants of the airport public areas every 3/6/12 hours. More frequent cleaning and disinfection of service facilities designed for passenger handling, public places	Applicable	Applicable	Applicable	Applicable	Daily wet cleaning of public places at the airport is performed. Special attention shall be given to handles, switches, handrails, railings, contact surfaces as well as lavatories
2.16	Providing passengers, visitors and personnel with personal protective equipment (masks, gloves, antiseptic gel, etc.) on a paying basis	Applicable	Applicable	Applicable	Applicable	Passengers, visitors and personnel have the opportunity to buy personal protective equipment when departing and arriving, in all the airport areas including gates
2.17	Improved monitoring of air conditioning systems and free ventilation at airports including vehicles carrying passengers	Applicable	Applicable	Applicable	Cancelled	Improved monitoring of air conditioning systems and free ventilation at airports. At moderate temperatures, doors and windows can be opened to improve free ventilation

**General organizational and preventive measures for airline companies**

Based on the spread of the coronavirus infection at departure points (including international and domestic ones), equipping airplanes with high-performance air filters as well as other indicators such as weight load factor, travel time and special flight assignment, flights performed by airline companies may be divided into three levels, i.e. high-risk, average-risk and low-risk ones.

Differentiated protective and control measures shall be implemented for different risk levels. Risk levels shall be adjusted real-time depending on the situation with the infection spread.

**Decisions concerning stages of lifting anti-epidemic restrictions shall be taken by heads of airline companies considering restrictive measures introduced in regions and risk level of flights.**

List of measures on gradual lifting of the restrictions is given in Table 2.

Table 2

No.	Measure	Plan				Results
		Present time	First stage of lifting restrictions	Second stage of lifting restrictions	Third stage of lifting restrictions	Expected result
<b>3. Measures implemented during flights</b>						
3.1.	Wearing masks and gloves, sanitizing hands with disinfectants by crew members and passengers when entering the airplane and during the flight	Applicable	Applicable	Applicable	Applicable	Crew members and passengers wear masks and gloves, sanitize hands with disinfectants when entering the airplane and during the flight. Hands shall be sanitized when changing the mask, eating, visiting a lavatory service unit. Masks shall be provided by the operator. Persons who do not wear masks are not allowed aboard
3.2	Contactless temperature checks of passengers having signs of infectious disease	Applicable	Applicable	Applicable	Applicable	In case symptoms of infectious disease are revealed in a passenger during flight, cabin crew shall perform the procedures established by the operator and inform the destination airport executives
3.3	Equipping airplanes with non-contact or electronic (clinical) thermometers	Applicable	Applicable	Applicable	Applicable	Equipping airplanes with non-contact or electronic (clinical) thermometers and sufficient supply of PPE, the number of which is determined by the quantity of passengers and crew members onboard considering the flight duration and change of masks every 3 hours
3.4	Ensuring that the crew members having contact with the passengers wear PPE	Applicable	Applicable	Applicable	Applicable	Crew members contacting with passengers aboard the airplane during the flight shall wear gloves and masks being timely changed (at least once every 3 hours)
3.5	Usage of disposable tableware onboard the airplane. Storage of waste in disposable sealed plastic bags	Applicable	Applicable	Applicable	Cancelled	Storage of waste in disposable sealed plastic bags
3.6	Preventive disinfection of the airplane shall be performed before every	Applicable	Applicable	Applicable	Applicable	Preventive disinfection of the airplane using disinfectants of virucidal

No.	Measure	Plan				Results
		Present time	First stage of lifting restrictions	Second stage of lifting restrictions	Third stage of lifting restrictions	Expected result
	flight					action is performed before every flight or after it by ground personnel using PPE whose temperature has been checked. Special attention is given to disinfection of handles, switches, handrails, contact surfaces. Crew members disinfect the galley and lavatory service unit every 2 hours during the flight
3.7	Preventive disinfection of airplane controls in the air crew cabin before every flight	Applicable	Applicable	Applicable	Applicable	Preventive disinfection of plane controls in the air crew cabin before every flight is performed by air crew members using disinfectants following the airplane designer recommendations
<b>4. Measures introduced for airport vehicles</b>						
4.1	Social distancing observation in vehicles. Disinfection of vehicles. Providing drivers with protective masks and disposable gloves	Applicable	Applicable	Applicable	Applicable	Increased bus frequency to prevent passengers from overcrowding in vehicles. Disinfection of vehicles is performed daily. Disinfection of contact surfaces (hanging straps, handrails, seats) is performed with special care
<b>5. Measures to ensure transfer of airplane crews and their rest</b>						
5.1	Transfer of crew members to/from the airport	Applicable	Applicable	Applicable	Applicable	Prevent (where possible) crew members from travelling home from the airport and to the airport from home by public transport. In case the airplane crew members cannot be transferred by transport of the aviation enterprise and have to use public transport, they shall wear masks and gloves
5.2	Arrangement of transfer for the crew to the places of temporary accommodation	Applicable	Applicable	Applicable	Applicable	Airplane crew members are transferred to temporary accommodation places in an organized way, vehicles being disinfected before every crew boarding.



No.	Measure	Plan				Results
		Present time	First stage of lifting restrictions	Second stage of lifting restrictions	Third stage of lifting restrictions	Expected result
						Vehicles are not allowed to stop without reasonable excuse including for visiting shops, markets, shopping and leisure centers
5.3	Prevent crew members from temporary accommodation with other persons	Applicable	Applicable	Applicable	Cancelled	In case of need for temporary accommodation of airplane crew members during a business trip, including “relays, preflight rest, flight delay, schedule breaks, etc. conditions preventing them from living with other persons are ensured

**Preventive measures introduced for civil airplane crew members during gradual lifting of anti-epidemic restrictions.**

**Stage 1**

1. The airplane commander shall monitor state of crew members health. The airplane commander shall monitor crew members’ having preflight medical checkups including thermometry documented in a record book for preflight medical checkups filled in by medical staff. Crew members having a temperature of 37° and more shall be suspended from flights.
2. When entering the airplane, all crew members shall sanitize their gloved hands with disposable antiseptic wipes which shall be disposed of using a special-purpose container.
3. During all stages of preflight and postflight actions (briefing, debriefing, airplane inspection and loading) crew members shall use PPE (masks, gloves) and observe social distancing.
4. When performing all types of actions (preflight, postflight), necessary flight documentation is handed over to the airplane commander by a designated cabin crew member. When there is a need for the airplane commander to contact personnel of airplane servicing companies, communication shall be conducted via a flight intercom or outside the cabin using PPE (masks and gloves) with social distancing observed. Upon entering the air crew cabin, the airplane commander shall take off his PPE (a mask and gloves) and sanitize his hands with antiseptic.
5. Crew members perform airplane handling without wearing masks and gloves with mandatory sanitizing hands with disinfectants.
6. When there is a need for a designated member of the cabin crew to enter the air crew cabin, before doing that, he/she shall change the mask and gloves and additionally sanitize his/her hands with disinfectants.
7. Wearing masks and gloves by cabin crew members shall be mandatory. Changing masks and sanitizing gloved hands with antiseptics shall be performed at least 1 time per 3 hours as well as after every physical contact with a passenger and in case of gloves integrity damage.
8. Air crew members shall use PPE (a mask and gloves) when leaving the cabin as well as contacting a passenger. Upon returning to the cabin, air crew members shall take off their PPE and sanitize their hands with disinfectants.

9. After the flight is over and passengers left the airplane, the airplane commander shall check the state of health of crew members including upon the chief flight attendant's report.
10. The day before the flight, airplane crew members shall familiarize themselves with current anti-epidemic restrictions introduced in the constituent entity where the flight is destined.
11. When on a business trip ("relay"), in order to perform their functional duties, airplane crew members shall strictly observe the requirements of the territories where they stay both before and after the flight, stricter requirements being prioritized for the citizens living in these areas, and shall also refrain from using public transport, using individual transportation instead, with mandatory wearing of PPE (masks, gloves). Leaving the places of temporary accommodation including visiting shops and leisure centers at the area is not allowed.
12. When moving across the areas of temporary accommodation, airplane crew members shall use PPE and observe social distancing including while eating.

### Stage 2

1. The airplane commander shall monitor state of crew members health. The airplane commander shall monitor crew members' having preflight medical checkups including thermometry documented in a record book for preflight medical checkups filled in by medical staff. Crew members having a temperature of 37° and more shall be suspended from flights.
2. When entering the airplane, all crew members shall sanitize their gloved hands with disposable antiseptic wipes which shall be disposed of using a special-purpose container.
3. During all stages of preflight and postflight actions (briefing, debriefing, airplane inspection and loading) crew members shall use PPE (masks, gloves) and observe social distancing.
4. When performing all types of actions (preflight, postflight), necessary flight documentation is handed over to the airplane commander by a designated cabin crew member. When there is a need for the airplane commander to contact personnel of airplane servicing companies, communication shall be conducted via a flight intercom or outside the cabin using PPE (masks and gloves) with social distancing observed. Upon entering the air crew cabin, the airplane commander shall take off his PPE (a mask and gloves) and sanitize his hands with antiseptic.
5. Crew members perform airplane handling without wearing masks and gloves with mandatory sanitizing hands with disinfectants.
6. When there is a need for a designated member of the cabin crew to enter the air crew cabin, before doing that, he/she shall change the mask and gloves and additionally sanitize his/her hands with disinfectants.
7. Wearing masks and gloves by cabin crew members shall be mandatory. Changing masks and sanitizing gloved hands with antiseptics shall be performed at least 1 time per 3 hours as well as after every physical contact with a passenger and in case of gloves integrity damage.
8. Air crew members shall use PPE (a mask and gloves) when leaving the cabin as well as contacting a passenger. Upon returning to the cabin, air crew members shall take off their PPE and sanitize their hands with disinfectants.
9. After the flight is over and passengers left the airplane, the airplane commander shall check the state of health of crew members including upon the chief flight attendant's report.
10. When on a business trip ("relay"), in order to perform their functional duties, airplane crew members shall strictly observe the requirements of the territories where they stay both before and after the flight, stricter requirements being prioritized for the citizens living in these areas, and shall also refrain from using public transport, using individual transportation instead, with mandatory wearing of PPE (masks, gloves). Leaving the places of temporary accommodation including visiting shops and leisure centers at the area is not allowed.

11. When moving across the areas of temporary accommodation, airplane crew members shall use PPE and observe social distancing including while eating.

### **Stage 3**

1. The airplane commander shall monitor state of crew members health. The airplane commander shall monitor crew members' having preflight medical checkups including thermometry documented in a record book for preflight medical checkups filled in by medical staff. Crew members having a temperature of 37° and more shall be suspended from flights.
2. Flight attendants shall wear masks and gloves during the whole flight if there is a passenger having elevated body temperature and symptoms of infectious disease onboard.
3. In case there is a passenger onboard having elevated body temperature and symptoms of infectious disease, air crew members shall wear PPE (masks and gloves) when leaving the cabin as well as contacting the passenger.
4. In case there is a passenger onboard having elevated body temperature and symptoms of infectious disease, the designated cabin crew member shall change his/her mask and gloves if there is a need to enter the air crew cabin.
5. After the flight is over and the crew have left the airplane, the airplane commander shall ask crew members about their state of health.
6. Personal hygiene and protective measures shall be observed.

### **Preventive measures introduced for civil airplane passengers during gradual lifting of anti-epidemic restrictions.**

#### **Stage 1**

1. Passengers are admitted onboard if they wear masks and gloves, the removal of which is not allowed during the whole flight. If a flight lasts for more than 3 hours, routine changing of masks is performed with the help of flight attendants who give away new masks and collect the used ones. Used masks shall be collected in a sealed container for further disinfection and disposal.
2. At the cabin, passengers take off their outwear and place it on the shelf for baggage excluding flights across the regions with sub-zero temperatures of outside air and depending on the airplane type. Taking outwear during the flight without reasonable excuse and informing a cabin crew member is not allowed.
3. Embarkation/disembarkation of passengers shall be performed observing social distancing considering the infrastructure capacity of the airport.
4. Contactless temperature checks shall be performed at the boarding control line and entrance to the airplane, passengers with elevated body temperature are not allowed aboard. When entering the airplane, all passengers shall sanitize their gloved hands with disposable antiseptic wipes which shall be disposed of using a special-purpose container. When the container is full, it shall be sealed and handed over to airport ground services for further disinfection and disposal.
5. Passengers moving across the cabin except for visiting a lavatory service unit is not allowed. "Fasten your seatbelts" mode shall be maintained during the whole flight.
6. The queue to the lavatory service unit shall be monitored by a flight attendant to observe social distancing and "Fasten your seatbelts" mode.
7. Meals during flights shall be ready-made or warmed onboard. Cold beverages delivered onboard shall be single-packed. Hot and cold beverages shall be served onboard in individual disposable cups.
8. Food, including baby food, beverages carried by passengers onboard the plane shall be in vacuum packing (unopened).

### **Stage 2**

1. Passengers are admitted onboard if they wear masks and gloves, the removal of which is not allowed during the whole flight. If a flight lasts for more than 3 hours, routine changing of masks is performed with the help of flight attendants who give away new masks and collect the used ones. Used masks shall be collected in a sealed container for further disinfection and disposal.
2. At the cabin, passengers take off their outwear and place it on the shelf for baggage excluding flights across the regions with sub-zero temperatures of outside air and depending on the airplane type. Taking outwear during the flight without reasonable excuse and informing a cabin crew member is not allowed.
3. Embarkation/disembarkation of passengers shall be performed observing social distancing considering the infrastructure capacity of the airport.
4. Contactless temperature checks shall be performed at the boarding control line and entrance to the airplane, passengers with elevated body temperature are not allowed aboard. When entering the airplane, all passengers shall sanitize their gloved hands with disposable antiseptic wipes which shall be disposed of using a special-purpose container. When the container is full, it shall be sealed and handed over to airport ground services for further disinfection and disposal.
5. Restrictions on passengers moving across the cabin except for visiting a lavatory service unit are maintained. "Fasten your seatbelts" mode is used in standard mode.
6. The queue to the lavatory service unit shall be monitored by a flight attendant to observe social distancing.
7. Meals during flights shall be ready-made or warmed onboard. Cold beverages delivered onboard shall be single-packed. Hot and cold beverages shall be served onboard in individual disposable cups.
8. Food, including baby food, beverages carried by passengers onboard the plane shall be in vacuum packing (unopened).

### **Stage 3**

1. Passengers sitting arrangement shall be normal with no restrictions.
  2. Contactless temperature checks of passengers at the boarding control line (at the entrance to the airplane) are cancelled.
  3. "Fasten your seatbelts" mode is used in standard mode.
  4. Restrictions for visiting a lavatory service unit are lifted.
  5. Normal procedures for serving meals onboard are reintroduced.
  6. Passengers shall wear masks and gloves during the whole flight if there is a passenger having elevated body temperature and symptoms of infectious disease onboard.
-