

Accessibility for the Hearing Impaired



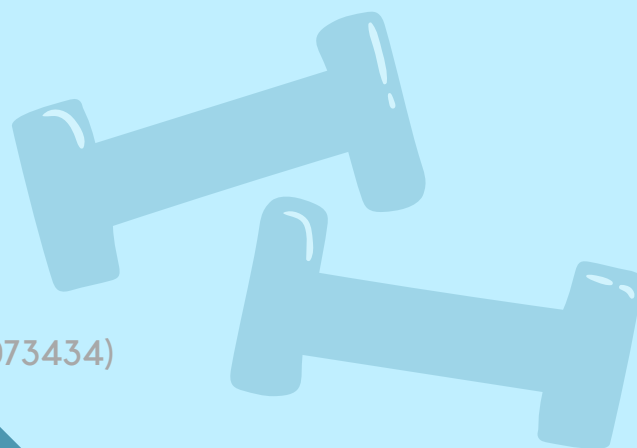
Certification Criteria

Sports Facilities



Erasmus+

KA205 - Strategic Partnerships for Youth
Building United Society (2019-1-TR01-KA205-073434)





v1.0



Accessibility for the Hearing Impaired Certification Criteria, Sports Facilities

Individuals who cannot fully meet the requirements of daily life due to the loss of their physical, psychological, sensory, and social skills because of the congenital or subsequent accidents and diseases are defined as disabled. The difficulties experienced by disabled people in adapting to the necessities of daily life, the difficulties they experience due to their deficiencies in their physical and mental conditions, and the inadequacies they experience in benefiting from public services make their adaptation to society difficult.

Daily life routines, such as eating and drinking, personal care, cleaning, and sports activities are partly met by the individuals themselves. However, they need outside help to overcome the deficiencies in their physical and mental states. This situation differs according to the type of disability experienced. The feeling of being dependent on someone is a situation that affects the self-confidence of disabled individuals and causes the individual to move away from social life over time. In addition, it is a relatively difficult process for disabled individuals to access public services such as health, education, employment, transportation, and information, which healthy individuals can easily access. Therefore, it seems normal for them to feel excluded.

On the other hand, the judgment that socially disabled individuals are in need of care and far from production; causes social exclusion of people with disabilities. This situation leads to a loss of self-confidence for people with disabilities. It has been observed that social attitudes and awareness are very important in revealing the potential of disabled people, and in societies where the necessary attitude and awareness are established, the social relations of disabled people are strengthened, and their quality-of-life increases. Sport is a leading activity to activate disabled individuals and ensure their adaptation to society.

Sport is an integral part of all people, regardless of ethnicity, age, gender, and physical condition. It has been an effective tool in ensuring social cohesion and cultural rapprochement, as well as improving the physical and mental health of individuals. Sports activities affect individuals positively in terms of mental, physical,

and social aspects, but they are more important for disabled individuals. The benefits of sports for people with disabilities can be counted as meeting the need for physical activity, providing a healthy lifestyle habit, enabling socialization, providing a sense of self-actualization, and relieving the feeling of exclusion. Considering these benefits, the only reason why sports have a rehabilitation aspect in the lives of disabled people is not only the positive physical effect, but also the fact that it gives the individual a social environment and helps them to feel good emotionally. Therefore, sports support the physical and emotional development of individuals with disabilities and enable them to establish good relations in society.

It is an undeniable fact that doing sports is of vital importance. However, there are factors that limit the participation of individuals in sports or reduce their level of satisfaction. It is possible to examine these factors in two main groups:

- Personal Barriers: Motivation, nervous-stress state, anxiety, limitation of movement, health problems, mood, etc. factors affecting the physical or mental state of the person,
- Environmental Barriers: Access, adequacy, and suitability of the facility, trainer status, sports equipment costs, time and season, etc. elements that do not originate from the person himself.

There are psychological support, motivational speeches, and personal development studies for the personal obstacles that prevent people with disabilities from doing sports. Regarding environmental barriers, there are building inspection accessibility guides developed. These guidelines aim to facilitate access to public services in both the United States and the European Union and to ensure that individuals can benefit equally from opportunities.

Studies on the accessibility of disabled people to sports have revealed that disabled people have more negative experiences than non-disabled individuals in terms of the place (building - equipment) and trainer. Trainers who graduated from the School of Physical Education and Sports (SPES) receive training in the field of working with disabled individuals. It is a fact that not all the trainers working in the halls are SPES graduates. The lack of a platform for SPES graduates to show their experience of working with disabled individuals leads to families of disabled individuals not being aware of this situation, which limits participation in sports activities. These mentioned points reveal the need for a well-planned, accessibility certification and communication platform for people with disabilities. One of the aims of our project is

to develop a certification system for different types of disabilities in terms of accessibility to sports fields. Accessibility is defined as the ability of everyone to reach and use any place and service they want without being dependent on anyone and safely. The purpose of the accessibility certificate system we have prepared is to enable disabled individuals to do sports with equal opportunities with everyone without any restrictions, to increase the quality of sports and physical activities offered/to be offered by existing and newly opened sports facilities to disabled individuals, thus, to create an environment that appeals to everyone without discrimination. The realization of these conditions is possible with the provision of accessibility.

In this regard, various main groups were determined, the main groups were divided into subgroups and criteria were determined for each group. In the Strategy document of the European Commission on the Rights of Persons with Disabilities 2021-2030, it is stated that the European Union will carry out further work on action, standardization, and technical specifications for people with disabilities. The accessibility certification system, prepared within the scope of the project, has been prepared in such a way that it will be accepted by international organizations and can be considered as a valid standardization document.

The prepared document has been created by taking into account the following principles adopted by international standardization organizations.

1. **Transparency:** The parties involved in standardization could easily access to information such as the workflow and the guidelines of the standardization institution, recommendations for standards and drafts of standards.
2. **Clarity:** The process of developing standards or policies in international standardization institutions should be available to all relevant and member organizations. Any member interested in the standardization activity – especially from developing countries- should be provided with the opportunity to participate in the development stage of the standards.
3. **Impartiality and Consensus:** All relevant institutions should be provided with the opportunity to contribute to the preparation of international standards so that the standardization process would not be biased for the benefit of a particular party or stakeholder. Impartiality must be maintained throughout the entire process. There should be reconciliation procedures that offers solutions to all interested parties and for possible conflicts.

4. Efficiency and Relevance: International standards should protect competition and industry progress. In order to maintain development and impartiality, standardization should be based on performance rather than factors that affect competitive balances such as design and product features.

5. Compatibility: There should be coordination and cooperation between international standardization bodies in order to avoid conflicts or duplications.

6. Development Dimension: Solutions should be offered to the conditions that restrict the participation of developing countries in international standardization studies and their participation should be facilitated.

Defining a person's disability is an extremely difficult and complex situation. ICF (International Classification of Functioning, Disability and Health) carries out the study of classification of disability types in the international arena. Today, many countries, including Turkey, benefit from ICF. The overall aim of the ICF classification is to establish a common, standard language and framework for describing health and health-related conditions. It defines the components of health and the health-related components of well-being (such as education and labor).

ICF was developed by the World Health Organization (WHO) to be used in a different field of health and is part of an international classification system. (WHO's international classification system provides a framework for digitizing a wide range of health-related information)

The objectives of the ICF can be summarized as follows::

- To provide a scientific basis for understanding and researching health and health-related conditions, their consequences and determinants,
- To create a common language in order to increase communication about health and health-related situations among different users in the society, including healthcare professionals, researchers, politicians and those with disabilities,
- To allow comparison of data in terms of countries, health-related disciplines, services and time,-

In this project, the "Measuring Health and Disability" handbook published by ICF (unit of the World Health Organization), was used to classify the individuals who has physical, visual and hearing impairment and to determine their needs. Hence, the disabilities were classified and the issue of accessibility was discussed in detail and regularly.

Direct accessibility to a place varies according to the type of disability of individuals. Therefore, we have differentiated the accessibility criteria according to the types of disabilities. We have detailed the accessibility criteria that we have separated according to the types of disabilities and divided them into sub-criteria. In this way, we made it possible to view interrelated data at once.

In this context, customized criteria have been prepared for different types of disabilities. All criteria and their subcategories were evaluated using color codes. The red color indicates mandatory conditions for each type of disability; if it is not provided being incompatible, the color orange indicates neutrality, and the green color indicates compatibility. As a result of our coloring system, whether a criterion is met or not is determined according to the disability type of the individual.

Certification and standardization provide the opportunity to produce a product or service under defined rules and protocols that are universally followed and adopted by everyone. In this sense, it is very important to increase the quality of the services provided for people with disabilities. With the certification process we created in this project, we ensure that sports fields reach universal standards.

Parking Facilities

Hearing impaired people do not need detailed features to use accessible parking spaces. It is sufficient to meet the basic requirements such as the accessible car parks in the facility being close to the entrance-exit and not far from the elevator.

Question

1

Is there a handicapped parking space available at the facility?

1.1

Is the number of disabled parking spaces belonging to the facility equal to 5% of the total number of parking spaces?

1.2

Is the distance of the disabled parking place to the facility entrance/exit or the elevator less than 30 meters?

1.3

Is the disabled parking lot clearly marked?

1.4

Is there a sign for guidance and information to the disabled parking lot from the entrance, garden entrance or facility entrance?

Color Code for Question

If the facility has a parking lot, it will be **green** and you will go to the sub-questions of this question, otherwise it will be **orange** and you will not go to the sub-questions of this question.

Green if the number of disabled parking spaces of the facility is 5% of the total number of parking spaces, otherwise **orange**.

Green if the distance of the disabled parking space to the facility entrance-exit or elevator is less than 30 meters, if not; **orange**.

Green if disabled parking is clearly marked, if not; **orange**.

Green if there is a sign for guidance and information to the disabled parking lot from the entrance, garden entrance or facility entrance, if not; **orange**.

Facility Entrance/Exit

Entrance and exits of sports facilities should be accessible to everyone. In addition, the fact that all members enter the facility using the same door is one of the factors that increase the accessibility of the facility.



Question**1**

Are the entrances and exits of the facility accessible to everyone?

2

Is there an information desk?

2.1

Is the information desk accessible?

Color Code for Question

Green if facility entrances/exits are accessible, otherwise **red**

If there is an information desk (go to the sub-question (2.1) of this question and the color code will be **green**, otherwise it will be **red**.

Green if the information desk is accessible, if not; **red**

Facility Doors

Question**1**

Is the height of the doors from the ground at least 210 cm?

Color Code for Question

Green if the height of the doors is 210 cm and above, **orange** if it is less than 210 cm

Facility Stairs

There is no problem for hearing impaired individuals to use the stairs throughout the facility. Only the equipment in the stairs such as handrails must be durable.

Question**1**

Is there a level difference in the facility?

1.1

Are there stairs in the facility?

1.2

Are there walls/parapets on both sides of the stairs?

Color Code for Question

If there is a level difference in the facility, go to the the sub-questions of this question and the code will be green, if there is no level difference, no color will be assigned.

Green if there is a ladder in the facilities with a level difference, otherwise **red**

Green if there is a wall/parapet on both sides of the staircase, if not; **red**

Question

1.3

Are there handrails on the stairs?

1.3.1

Are the handrails on both sides of the stair, 90 cm above the floor at 1st level and 70 cm above the ground at 2nd level?

1.3.2

Are the handrails durable?

1.3.3

Did the handrail start 30 cm before the start of the stair and continue 30 cm after the end of the stair? (If the 30 cm extension of the handrail remains in the circulation area, 30 cm extension should not be applied.)

1.3.4

Are the ends of the handrail fixed to the wall or rounded in a crescent shape?

1.3.5

Is there a distance of at least 4 cm between the handrail and the wall or handrail it is located on?

1.3.6

Is the diameter of the handrail between 32 mm and 45 mm?

Color Code for Question

If there is a handrail on the stairs, go to the sub-questions of this question and the color code will be **green**, if not, it will be **orange**.

If the handrails on the sides of the stairs comply with the standards written in the question, color code will be **green**, if they do not, **orange**

Green if the handrails are durable, **red** if not

Green if the measurements of the handrails comply with the standards in the question, **orange** if they do not.

Green if the ends of the handrail are fixed to the wall or rounded in a crescent shape, otherwise **orange**

If there is a gap of at least 4 cm between the handrail and the wall, it is **green**, otherwise it is **orange**.

Green if the diameter of the handrail complies with the measurements in the question, **orange** if it does not.

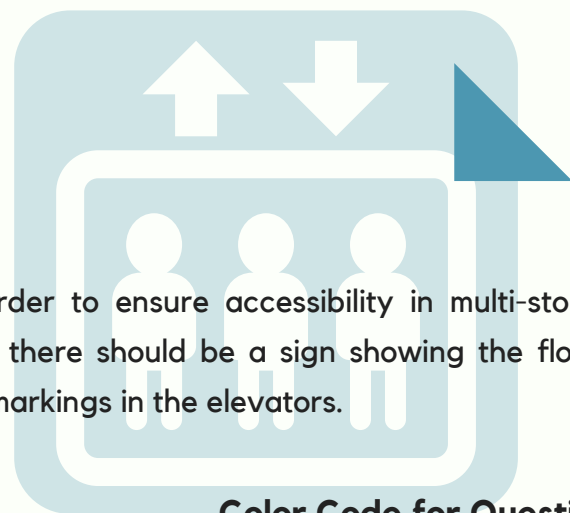
Facility Ramps

All ramps used and to be used in the facility must not create a danger to any member with or without a disability. In order to prevent possible hazards and injuries, ramps should be made or arranged in appropriate sizes and features.

	Question	Color Code for Question
1	Is there a level difference in the facility?	If there is no level difference in the facility, the code will be green , if there is level difference, go to sub-question 1.1
1.1	Is there a ramp in the facility?	If there is a ramp in the facility, go to the sub-questions of this question and it will be green , if not, it will be orange .
1.1.1	Is the ramp surface covered with a material that is flat, stable, durable, and non-slippery when dry and wet?	If the ramp surface coating is smooth, stable, durable, non-slippery when dry and wet, the color code is green , red if it is not.
1.1.2	Are there any bumps/pits at the beginning and end of the ramp?	Green if there is no bump/pit at the beginning and end of the ramp, red if there is
1.1.3	If the height of the ramp is more than 15 cm and its length is more than 2 m, have a wall or parapet been built on both sides of the ramp or railings if necessary?	If the wall/parapet/railings are done, the color code is green , otherwise red
1.1.4	Are there handrails on both sides of the ramp?	If there are handrails on both sides of the ramp, go to the sub-questions of this question and it will be green , if not, red .
1.1.4.1	Are the handrails durable?	Green if the handrails are durable, if not; red
1.1.4.2	Are the ends of the handrail fixed to the wall or rounded in a crescent shape?	Green if the ends of the handrail are fixed to the wall or rounded in a half-moon shape, otherwise red

Facility Elevators

It is essential to have an elevator in order to ensure accessibility in multi-storey facilities. For hearing impaired members, there should be a sign showing the floors and an adequate number of explanatory markings in the elevators.



Question

Color Code for Question

1

Is the facility multi-storey?

If the facility is not multi-storey **green**, if it is multi-storey, go to the sub-question (1.1) of this question without any coloring.

1.1

Is there an elevator in the facility?

If there is an elevator in the facility, it will turn **green** and go to the sub-questions of this question, otherwise it will turn **red** and not go to the sub-question of the question.

1.1.1

Is the elevator within 30 meters of the facility entrance?

Green if it is at a distance from the elevator facility entrance in the dimensions given in the question, otherwise **orange**

1.1.2

Is access to the elevator from the facility entrance on a level and accessible route?

Access to the elevator from the facility entrance is level and **green** if it is accessible, otherwise **red**

1.1.3

Is the elevator easily visible from the facility entrance?

If the elevator is easily visible from the entrance of the facility, it will turn **green** and the sub-question of the question cannot be reached, if it cannot be seen, it will turn **orange** and go to the sub-question (1.1.3.1) of the question.

1.1.3.1

Have the necessary guidance and marking been m

Green if necessary guidance and marking is done, **orange** if not

1.1.4

Does the elevator serve all floors?

Green if the elevator serves all floors, **red** if it does not.

Question	Color Code for Question
<p>1.1.5 Are the necessary guidance and information signs used inside and outside the elevator cabin?</p>	<p>If necessary directions and markings are made inside or outside the elevator car, it will turn green and go to the sub-question (1.1.5.1) of the question, if not, it will turn orange and the sub-question of the question will not be reached.</p>
<p>1.1.5.1 Are the direction and information signs used in the elevator understandable and legible?</p>	<p>Green if the directions and markings inside or outside the elevator cabin are clear and legible, otherwise orange</p>
<p>1.1.6 Is there an indicator showing the floor position in the elevator?</p>	<p>If there is an indicator showing the floor position in the elevator, it will turn green and go to the sub-question (1.1.6.1) of the question, if not, it will turn orange and the sub-question of the question will not be reached.</p>
<p>1.1.6.1 Are the heights of the numbers on the display in the cabin between 30 mm and 60 mm?</p>	<p>Green if the height of the numbers on the indicator matches the measurements given in the question, orange if not.</p>

Facility Lifting and Transmission Platforms

Lifting and conveying platforms are another system used to solve the problems created by level differences in facilities and to ensure accessibility in vertical circulation. Site selection is very important in the design of lifting and conveying platforms. When the lifting and conveying platforms in the facility go up, measures should be taken to prevent the formation of spaces under them. If not taken, it may cause serious injury and accident.

Question	Color Code for Question
<p>1 Does the facility have lifting and conveying platform(s)?</p>	<p>If there is a lifting and forwarding platform in the facility, it will turn green and go to the sub-question (1.1) of the question. If there is a ramp/elevator but there is no lifting and forwarding platform, it will be green and the sub-question of the question will not be reached. If there is no lift and forwarding platform although there is no ramp/lift, it will turn orange and the problem do not go to sub-question</p>
<p>1.1 Have measures been taken to prevent the formation of gaps under the platform when it goes up?</p>	<p>When the platform goes up, it is green if measures are taken to prevent the formation of a gap under it, and red if it is not.</p>

Horizontal Circulation in Facility

Hearing impaired individuals have less difficulty in horizontal circulation within the facility compared to other disability types. Only the corridors should be arranged in appropriate dimensions and there should not be any situation that would prevent the circulation of the members on the corridor.

Question

Color Code for Question

1

Is a clear headroom of at least 220 cm provided in the corridors?

Green if there is a head opening in accordance with the dimensions written in the question in the corridors, otherwise orange

2

Are there any obstacles on the accessible route?

Green if there are no obstructions on the accessible route, **orange** if any

Facility Members

In sports facilities, there are some regulations that need to be revised by the facility and certain conditions that need to be met so that disabled people can benefit from the services on an equal basis with other facility members.

Question

Color Code for Question

1

Are there any disabled members in the facility?

If there is a disabled member in the facility, it will be **green** go to sub question if not, color evaluation will not be made.

1.1

Is the disabled member in the facility hearing impaired?

If the disabled member in the facility is hearing-impaired, **green**, otherwise, color evaluation is not made.

2

Are there any special discounts offered to individuals with disabilities who wish to become members of the facility?

If there is a special discount offered to disabled individuals who want to become a member of the facility, **green** color is not evaluated.

3

Can disabled individuals who want to become members of the facility do sports in the facility with a companion/assistant?

Disabled individuals who want to become a member of the facility are green if they can do sports in the facility with a companion/assistant, or orange if they cannot.

4

Are private group sessions available for members at the facility?

If there is special group work for members in the facility, it will turn **green** and go to the sub-question (4.1) of this question, if not, color evaluation will not be made.

4.1

Is this group work in such a way that members with disabilities can actively participate?

These group activities are green if disabled members can participate actively, and orange if they cannot participate.

Facility Employees

Facility employees are in a very important position to ensure that a sports facility is organized, functional and accessible. For this reason, all facility employees should be provided with the necessary training in order to ensure that they can communicate correctly with the members without any discrimination. While working with a hearing-impaired member, facility employees should have the competence to communicate with him/her easily.

Question

Color Code for Question

1

Can facility staff (except for the coach) take special care of disabled people?

Green if facility staff (except coach) can take care of disabled people, **orange** if not

2

Does at least one of the facility staff (excluding the coach) know sign language?

Green if at least one of the facility employees (excluding the coach) knows sign language, **orange** if not

3

Does at least one of the facility coaches have experience with a member with a disability?

If at least one of the facility coaches has experience with a disabled member, it will be **green** and the sub-question (3.1) of this question will be taken, if not, the color assessment will not be made.

3.1

Does the coach have experience with a deaf member?

If the coach has experience with a deaf member, it will be **green** and the sub-question of this question (3.1.1) will be taken, if not, the color assessment will not be made.

3.1.1

Does the coach have at least 2 years of experience with a deaf member?

If the coach has at least 2 years of experience with a deaf member, the color is not evaluated in **green**, and if not, the color is not evaluated.

4

Does at least one of the facility coaches speak sign language?

Green if at least one of the coaches of the facility knows sign language, **orange** if he does not know

5

Can facility coaches deal specifically with members with disabilities?

If the coaches of the facility can deal specifically with members with disabilities, it will be **green** and the sub-question of this question (5.1) will be taken, if not, it will be **orange**.

5.1

Can facility coaches take special care of hearing-impaired members?

Green if facility coaches can take special care of hearing-impaired members, **orange** if they can't.

Question

6

Is there a SPES graduate coach in the facility?

6.1

Are there any coaches graduated from the department of "Exercise and Sports Education for the Disabled"?

7

Are there any coaches who have attended a coaching course in any disabled branch?

7.1

Is there a coach who has attended a coaching course in the hearing impaired branch?

Color Code for Question

If there is a SPES graduate coach in the facility, it will be **green** and the sub-question of this question (6.1) will be taken, if there is none, the color evaluation will not be made

Green If there is a coach graduated from the department of "Exercise and Sports Education in the Disabled", the color evaluation is not made if not.

If there is a coach who has attended the coaching course in any disabled branch, it will be **green** and the sub-question of this question (7.1) will be taken, if not, the color evaluation will not be made

If there is a coach who has attended the coaching course in the hearing-impaired branch, the color is not evaluated if there is one.

Sports Equipment

Hearing-impaired members generally have no difficulty using sports equipment in the facilities, but it is a big plus to have informative writings on sports equipment that briefly summarize how to use that equipment.

Question

1

Are there any sports equipment that have adjustable features?

2

Are there any accessible sports equipment at the property?

Color Code for Question

If there are adjustable sports equipment ones, **green** or **orange**

Green if the property has accessible sports equipment, **orange** if not available

Changing Rooms

Question

1

Is there a dressing room in the property?

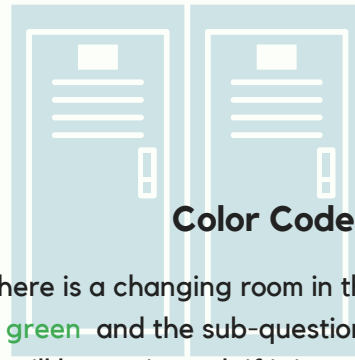
1.1

Are the changing rooms on the accessible route?

Color Code for Question

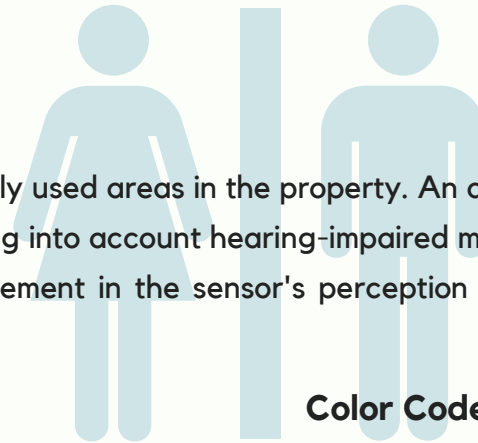
If there is a changing room in the facility, it will be **green** and the sub-question of the question (1.1) will be navigated, if it is not found, it will be **red** and the sub-question of the question will not be gone

Changing rooms are **green** if they are on the accessible route, **orange** if not



Facility Toilets

Toilets are among the most frequently used areas in the property. An asset sensor can be added to the facility toilets, taking into account hearing-impaired members. Thanks to the presence sensor, every movement in the sensor's perception area keeps the illumination on.



Question

1

Are there any accessible toilets in the property?

1.1

Are there any directions to accessible toilets from the main entrance?

1.2

Are the accessible toilets indicated by the marking?

1.3

Are there any accessible toilets for both men and women?

1.4

Does the accessible toilet have a presence sensor?

Color Code for Question

If there is an accessible toilet in the property, it will be **green** and go to the sub-question of the question (1.1), otherwise it will be **orange** and the sub-question of the question will not be gone

Green if directed to accessible toilets from the main entrance, **orange** if not

Green if marked, accessible toilets if indicated, **orange** if not specified

Green if there are accessible toilets for both men and women, **orange** if there is no

Green if there is presence sensor in the accessible toilet, **red** if there is no

Question

Color Code for Question

- 1.5** Is the accessible toilet lighting provided using sensor light?

Green if accessible toilet lighting is provided using sensor light, **orange** if not provided
- 1.6** Is there an emergency call apparatus in accessible toilets?

If there is an emergency call apparatus in the toilets, it will be **green** and the sub questions of the question will be navigated, otherwise it will be **red** and the sub-question of the question will not be gone
- 1.6.1** Is the emergency call apparatus hanging from the ceiling on all walls and on both sides of the toilet bowl?

Green if the emergency call apparatus hangs from the ceiling on all walls and on either side of the toilet bowl, and **orange** if not
- 1.6.2** Is the height of the emergency call apparatus from the ground between 30 cm and 50 cm?

Green if the height of the emergency call apparatus meets the dimensions given in the question, **orange** if it is not appropriate
- 1.7** Are there grab bars in the accessible toilet?

If there is a hold bar, it will be green and go to the sub-question of the question (1.7.1), otherwise there will be no coloring and no sub-question of the question
- 1.7.1** Are all the grab bars installed to withstand a force of at least 1.7kn?

Green if the traction bars are mounted resistant to the force given in the question, **red** if not
- 2** Is the facility big?

Whether the facility is large or not is not subject to a color evaluation. If it is large, go to the subquestion of the question (2.1)
- 2.1** Are there any accessible spacious toilets?

Green if there is an accessible large toilet, otherwise no color assessment is made

Facility Baths

There is no major problem that will arise during the use of the bathrooms in the facilities by hearing-impaired members. Features such as the fact that only the objects in the bathrooms are securely mounted provide accessibility.

	Question	Color Code for Question
1	Is there an accessible bathroom?	If there is an accessible bathroom, it will be green and go to the sub-questions of the problem, otherwise it will be orange and the sub-questions of the problem will not be gone.
1.1	Is the bathroom on an accessible route?	Green if the bathroom is on the accessible route, orange if not
1.2	Is there a shower section?	Green if there is a shower section, orange if there is no shower (but if there is a bathtub, there is no need for a shower, and vice versa)
1.3	Is there a bathtub?	If there is a bathtub, the sub-question (1.3.1) of this question is passed without coloring, if there is no shower and there is no bathtub, red , if there is a shower but there is no bathtub, green
1.3.1	Is there any seating in the bathtub?	If there is a seat in the bathtub, it will be green and the sub-question of the question (1.3.1.1) will not be followed, otherwise the coloring will not be done, and the sub-question of the question will not be followed
1.1.3.1	Is the seat securely mounted?	Green if the seat in the bathtub is securely installed, red if not securely installed

Installation Used in the Facility

A good installation used in the facilities provides all members with a healthy, safe and comfortable time spent in the facility.



Question

1

Is there a warning sign in front of the hazardous areas (transformer, generator, etc.) in the facility with a height of at least 60 cm and at most 122 cm?

2

Can the heating system give the same heat to all parts of the facility?

3

Can room temperatures be adjusted with thermostats in the room?

3.1

Are the adjustable thermostats no more than 122 cm above the floor?

Color Code for Question

Green if there is a warning sign in front of the hazardous areas in the facility in the dimensions given in the question, or **red**

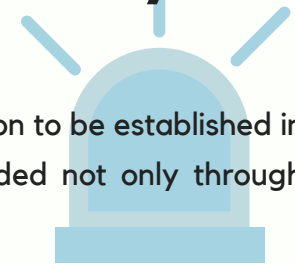
Green if the heating system can give the same temperature all over the facility, **orange** if it cannot.

If the thermostats can be adjusted, it will be **green** and go to the sub-question of the question (3.1), if it cannot be set, it will be **orange** and the sub-question of the question will not be gone

If the height of the adjustable thermostats meets the given dimensions, **green** if not, **orange**

Arrangements Made in the Facility for Emergencies

In order not to endanger the hearing impaired, the communication to be established in case of possible emergencies in the facilities should be provided not only through auditory but also visual signals.



1

Are there links between accessible routes and emergency exits or accessible rescue areas?

Green if connection between accessible routes and emergency exits or accessible rescue areas is provided, **red** if not provided

2

Are stairs, steps and escalators part of emergency exit routes? (Staircases, steps, and escalators cannot be part of accessible exit paths.)

If the stairs, steps and escalators are not part of the emergency exit paths, they are **green** and the part is **orange**

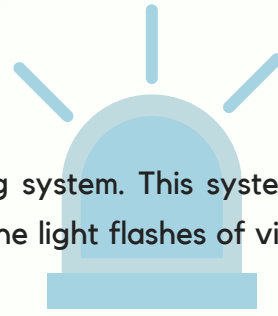
3

Is emergency communication provided through visual and auditory signals? (Providing only audio or visual means of emergency communication may jeopardize the safety of people with hearing or speech disabilities.)

Green if emergency communication is provided via visual and auditory signals, **red** if not provided

Facility Alarms

Every facility must have an emergency warning system. This system should include visible alarms for hearing-impaired individuals. The light flashes of visible alarms must be clearly visible from every area of the facility.



Question

Color Code for Question

1

Does the facility have a visible alarm system?

If there is a visible alarm in the property, it will be **green** and go to the sub-questions of the problem, otherwise it will be red and the sub-questions of the problem will not be gone

1.1

Should visible alarms flash light with low output and a large number of flashes?

Visible alarms are **green** if low output and large number of flash lights with flash, **orange** if not

1.2

Are visible alarms located throughout the facility?

Visible alarms are **green** if they are everywhere in the facility, **red** if not

1.3

Do all flashes work synchronously?

Green if all flashes work synchronously, **red** if synchronous

2

Does the facility have an audible alarm system?

If the property has an audible alarm system, it will be **green** and the lower questions of the question will be navigated, if not, it will be orange and the sub-question of the question will not be gone.

2.1

Do audible alarms work at a frequency below 10,000Hz and attract the attention of low hearing so that low hearers can hear them?

Audible alarms are **green** if they operate at a frequency below 10,000Hz for low hearing and in a way to attract the attention of low hearers, **orange** if not working

2.2

Do audible alarms sound for at least 15 decibels or 5 decibels for 30 seconds, suppressing the sound in the environment?

Green if audible alarms sound for at least 15 decibels or 5 decibels for 30 seconds, **orange** if not working to suppress ambient sound

2.3

Are the low-output sounds distributed between 85 decibels and 95 decibels across multiple alarms/speakers?

Low output sounds between 85 decibels and 95 decibels, **green** if distributed to a large number of alarms/speakers, **orange** if not distributed

Question

Color Code for Question

3

Are there any voice sign directions that will make the necessary guidance in case of emergency?

In case of emergency, if there are audible sign directions to make the necessary direction, it will be **green** and the sub-question of the question (3.1) will be navigated, otherwise it will be **orange** and the sub-question of the question will not be gone

3.1

Are voice messages short and easy to understand?

Voice messages are short and easy to understand, **green** if not, **orange** if not

4

Is there a vibrating alarm? (It does not have to be, but it's an important plus for the hearing and visually impaired.)

Green if there is a vibrating alarm, no color evaluation if there is no

5

Do all alarm systems in the facility work synchronously and integrated?

Green if all alarm systems in the facility are synchronous and integrated, **red** if synchronous and integrated operation

Markings Used in the Facility

Hearing impaired individuals will not have difficulty in understanding the markings throughout the facility, but there should still be a sufficient number of guiding and informative markings and these markings should be supported by symbols.

Questions

Color Code for Question

1

Are there any guiding and informative signs in the property?

If there are directional and informative signs on the property, it will be **green** and the sub-questions of the question (1.1) will be navigated, if not found, it will be **red** and the sub-question of the question will not be navigated

1.1

Are there enough guiding and informative signs in the facility?

Green if the facility has a sufficient number and characteristics of guiding and informative signs, **orange** if not available

1.2

Are the written information in the facility supported by symbols?

Green if the written information in the facility is supported by symbols, **orange** if not supported

Question

1.3

Are there any informational signs in the stairwells indicating the entrances and exits of the facility?

1.4

Are there any guidance signs indicating accessible emergency exits?

1.5

Are the markings on the side of the door latch and is there a distance between the door sill and the edge of the sign next to the door between 5 cm and 10 cm?

1.6

Is the font size of the articles easy and readable for everyone?

1.7

Are the writings and signs of the appropriate size according to the viewing distance? (Letter heights should be at least 15 mm and every time the view distance of 1 meter increases, the font sizes should be increased between 20 mm and 30 mm.)

1.8

Is the logo, symbol, etc. on the sign matte or low gloss so that the signs can be easily understood?

1.9

Are the symbols used in integrity with the facility marking systems?

1.10

Does the color scheme in the facility help to distinguish critical elements, for example, wall from the floor, doors from adjacent walls?

Color Code for Question

Green if there are informational signs indicating the entrances and exits of the facility in the stairwells, or **orange**

Green if there are guidance signs indicating accessible emergency exits, or **red** if not

Are the markings on the side of the door latch located and the distances between the door sill and the edge of the sign next to the door are **green** if they meet the dimensions specified in the question, and **orange** if they do not fit.

The font size of the articles is easy and **green** if it is readable for everyone, **orange** if not

Green if the writing and signs conform to the specified size according to the viewing distance, **orange** if not appropriate

For easy understanding of the signs, the logo, symbol, etc. in the mark is **green** if it is matte or low bright, and **orange** if it is not

Green if the symbols are used in integrity with facility marking systems, **orange** if not used

Green if the color scheme in the facility helps to distinguish critical elements such as floor walls, doors from adjacent walls, **orange** if it does not

Accessibility Status of the Machines in the Facilities

The accessibility situations mentioned below are based on the HEARING IMPAIRED ONLY.

1. Machine: Horizontal Bicycle

There is no obstacle for hearing-impaired members to access this device. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

2. Machine: Biceps Curl

There is no obstacle for hearing-impaired members to access this machine. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

3. Machine: Triceps Press

There is no obstacle for hearing-impaired members to access and use this machine, which requires the active use of two arms. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

4. Machine: Chest Press

There is no obstacle for hearing-impaired members to access this machine. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

5. Machine: Shoulder Press

There is no obstacle for hearing-impaired members to access this machine. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

6. Machine: Pulldown

There is no barrier to access for hearing-impaired members to this machine, which creates balance, stability and strength along with a natural pull-down movement, allowing for an almost endless variety of strength training options. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

7. Machine: Seated Row

There is no obstacle for hearing-impaired members to access this machine. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

8. Machine: Leg Extension

There is no obstacle for hearing-impaired members to access this machine. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

9. Machine: Seated Leg Curl

There is no obstacle for hearing-impaired members to access this machine. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

10. Machine: Squat

There is no obstacle for hearing-impaired members to access this machine. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

11. Machine: Hip Adductor

There is no obstacle for hearing-impaired members to access this machine. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

12. Machine: Glute Master

There is no obstacle for hearing-impaired members to access this machine, which requires active use of the whole body. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

13. Machine: AB Crunch

There is no obstacle for hearing-impaired members to access this machine that works their abdominal muscles. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

14. Machine: Rowing

There is no obstacle for hearing-impaired members to access this machine that works their arm muscles. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

15. Machine: Triceps Extension

There is no obstacle for hearing-impaired members to access this machine that works the back arm muscles. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

16. Machine: MTS Decline Press

There is no barrier for hearing-impaired members to access this machine, which requires active arm use. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

17. Machine: Cable Crossover

There is no barrier to access for hearing-impaired members to this machine, which allows for an almost endless range of strength training options. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

18. Machine: Lat Pulldown Seated Row

There is no barrier for hearing-impaired members to access this machine, which targets all back and back shoulder muscle groups. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

19. Machine: Weight Bench

There is no obstacle for hearing-impaired members to access this machine that provides strength training. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

20. Machine: Leg Press

There is no obstacle for hearing-impaired members to access this machine, which provides linear leg press movement. In addition, there are descriptions enriched with written and visual content for the hearing impaired on the device, and in addition to this feature, there are resources on how to use the tools in the mobile applications of the facilities.

21. Machine: Vertical Knee Raise

There is no obstacle for hearing-impaired members to access this machine that runs the abdomen. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

22. Machine: Elliptical Bike

There is no obstacle for hearing-impaired members to access this machine, which requires active use of the legs. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

23. Machine: Bicycle

There is no obstacle for hearing-impaired members to access this machine, which requires active use of the legs. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.

24. Machine: Treadmill

There is no barrier for hearing-impaired members to access this machine, which reduces pressure on the joints and provides effective cardio training. In addition, there are descriptions enriched with written and visual content for the hearing impaired on the device, and in addition to this feature, there are resources on how to use the tools in the mobile applications of the facilities.

25. Machine: Pectoral Fly

There is no barrier to access for hearing-impaired members to this machine, which creates balance, stability and strength along with a natural pull-down movement, allowing for an almost endless variety of strength training options. In addition, there are explanations enriched with written and visual content for the hearing impaired on the device and in addition to this feature, resources on how to use the tools in the mobile applications of the facilities.



Disclaimer:

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Erasmus+



KA205 - Strategic Partnerships for Youth
Building United Society (2019-1-TR01-KA205-073434)