



SUMMARY OF THE NEW UNI EN 16194 POLICY ABOUT PORTABLE TOILETS SERVICES

Premise

In the last decade, the usage of portable toilets became more popular (also known as “chemical toilets”). You can see them now in construction sites and in any outdoor event with public access, for emergencies etc. Until today, there wasn't a policy about this service, not even for determining the minimum standards for users. Now this void has been filled with the UNI policy: the respective European policy, EN 16194, has been formally enacted in 2012 and, on the 12th of April 2012, the UNI EN 16194 policy has finally come into force in Italy.

A policy regulating the Service

The UNI EN 16194 regulates not only the requirements of the portable toilets, but also the essential requirements of the service, starting from establishing the number of toilets per user. For the construction sites services, it is mandatory to have of 1 portable toilet every 10 users (including the workers and the sub-contractors). It also states that the maximum distance between the workplace and the toilet does not exceed 100 mt; moreover, if the construction site expands on more than one floor, there should be 1 portable toilet every 2 floor.

For outdoor public events, the policy uses the table of the PSAI (Portable Sanitation Associated International), which defines the minimum portable toilet number to use, depending on how many participants and duration of the event.

The table is on page 3 of this summary.

Minimum requirements of the portable toilet

The portable toilet is described in the policy, in a very vague way, in order to let any company choose and innovate the toilet features. There are however some minimum requirements. The portable toilet has to have an internal space of at least 1 m², internal height of at least 2 mt, adequate ventilation and sufficient internal visibility. The door must close on its own, it must have an indication whether the toilet is free or occupied, and it must open from the inside and from the outside. Moreover, the toilet must be lockable from the inside (with a key or a lock) but also from the outside in case of emergency.

The toilet must have a toilet paper holder, a clothing rack and a waste tank equipped with a tablet or another form of support, which enables the user to be comfortably seated.

The waste tank must be connected directly to the outside and it can be:

- a – Drop-Down
- b – Re-circulating (with a foot pedal or with manual activation)



c – Clean Water (with a foot pedal or manual activation)

Other non-mandatory accessories are allowed, such as a mirror, a light, a urinal, a washbasin, a dispenser for soap, sanitizing gel or paper towel.

The disabled toilet

The disabled toilet, used for some outdoor events, finds its own role. In fact, the policy states that every event must have at least a disabled portable toilet, accessible with a wheelchair. The door must be 80 cm large and the internal space must be 140 cm wide. It is not required that the wheelchair has to be able to make a complete rotation, but it is mandatory that the entrance is ground level – meaning that there should be no steps or inclined floor.

Short Term Rental and Long-Term Rental

The policy states in this part the information needed to enter in a contract of short term or long-term rental. The goal is to facilitate the relationship between client and supplier, making the process very smooth and easy to understand.

Prescriptions for the service

In this section, the policy lists all the mandatory operations to be done when executing the service: the emptying of the waste tank, the cleaning of every single component (listed one by one), the restoration of the consumables, the addition of the sanitizing component and water. The damaged toilets must be repaired on the location or replaced. The policy also defines the prescriptions for the toilet delivery (which has to be ready to use, complete with sanitizing gel and consumables – toilet paper, dispenser etc.) and pickup (after the complete emptying of the waste tank and consumables).

Declaration of Service Conformity

The rental company that respects the UNI EN 16194 policy is authorized to communicate it to the public (through official communication, with publicity, on the toilets etc.) with the following statement: “SERVICE EXECUTED FOLLOWING THE UNI EN 16194”.



TAB 1: Minimum number of toilets to be used during a public event (50% men, 50% women)

	Number of users	Number of toilets (for events lasting from 1 hr to 6 hrs.)	Number of toilets (for events lasting from 7 hrs to 12 hrs)
1	Up to 249	2	3
2	250 – 499	2	5
3	500 – 999	6	9
4	1 000 – 1 999	12	18
5	2 000 – 2 999	25	38
6	3 000 – 3 999	38	57
7	4 000 – 4 999	50	75
8	5 000 – 5 999	63	95
9	6 000 – 6 999	75	113
10	7 000 – 7 999	88	132
11	8 000 – 8 999	100	150
12	9 000 – 9 999	113	170
13	10 000 – 12 499	125	188
14	12 500 – 14 999	156	234
15	15 000 – 17 499	188	282
16	17 500 – 19 999	219	329
17	20 000	250	375
18	More than 20 000	To be defined on a case-by-case basis	To be defined on a case-by-case basis