

## Briefing Note for ISO 30500: Steps toward national recognition of ISO 30500, international standard for non-sewered sanitation technologies

### **PURPOSE**

The purpose of this note is to inform the reader about ISO 30500, the international standard for a new kind of non-sewered sanitation technologies, and the goals of the American National Standards Institute (ANSI) to achieve national recognition of the standard in your country.

### **BACKGROUND**

A standard is an agreed-upon way of doing something. In practice, it is a document that sets specific guidelines for the design, operation, manufacture, and use of nearly everything produced by mankind. ISO 30500 was published in October 2018, after being developed and approved with input from technical experts, industry groups, and government representatives from 46 countries.

ISO 30500 provides technical requirements, test methods, and sustainability considerations to ensure system compatibility with environmental protection goals. It can apply to any "integrated sanitation system," which is defined as comprising both frontend (toilet facility) and backend (treatment facility) elements that is not attached to a sewer. In integrated systems covered by ISO 30500, the frontend collects, conveys, and fully treats the specific input within the non-sewered sanitation system, to allow for safe reuse or disposal of the generated solid, liquid, or gaseous output. The crucial distinction of technologies covered by this International Standard is that the backend is not connected to a networked sewer system.

Having an international standard for these reinvented toilet technologies will:

- Save time and resources for both manufactures and governments
- Increase user confidence in the product, since it reflects a consensus of regulators, manufactures, and users from across the world
- Increase the ability to widely manufacture, market, and deploy the technology where it is needed most
- Facilitate free and fair global trade due to an internationally recognized system and faith in the ISO (International Organization for Standardization) name
- Enable regulators and government to tap into a constantly updated source of information and experiences
- Allow users of these toilets to have a dignified, reliable, safe, hygienic, odor-free experience that may even produce by-products that can be re-used by the community

### **NEXT STEPS**

- Identify current standards and sanitation related regulations in your country (nationally and in states)
- Discuss the process of nationally adopting an international standard in your country
- Explore ways to partner on championing and implementing ISO 30500 in your country