



**TERMS OF REFERENCE FOR THE DEVELOPMENT OF POLICY AND TECHNICAL AWARENESS  
MATERIALS AND GUIDELINES FOR SANS/ISO 30500 AND ISO 24521**

<b>KEY STRATEGIC AREA</b>	<b>KSA 9: Business Development and Innovation</b>
<b>THRUST</b>	<b>3: Business Development</b>
<b>PROGRAMME</b>	<b>13: SASTEP</b>
<b>TITLE</b>	<b>DEVELOPMENT OF POLICY AND TECHNICAL AWARENESS MATERIALS AND GUIDELINES FOR SANS/ISO 30500 AND ISO 24521</b>

**Objectives:**

- Develop policy and technical materials, guidelines and tools that provides awareness and working understanding of the new ISO 30500 standard
- Develop policy and technical materials, guidelines and tools that provides awareness and working understanding of the new ISO 24521 standard
- Demonstrate the products with controlled group of stakeholders and elicit feedback for improvements.
- Pilot material, guidelines and tools with first cohort of facilitators

**Background:**

The South African Sanitation Technology Evaluation Programme (SASTEP) is an initiative funded by the Department of Science and Technology (DST) and the Bill & Melinda Gates Foundation (BMGF), with the Water Research Commission (WRC) providing programme implementation and support services. The programme aims to foster a local sanitation industry (manufacturing and services) that would increase access to proper sanitation, reduce pollution, improve water security, create jobs and entrepreneurial opportunities and contribute to the country's GDP.

The programme is aligned to the Department of Trade & Industry's (DTI) Industrial Policy Action Plan (IPAP) strategy to address commercialisation, localisation and manufacturing by bringing on board capable commercial partners to provide an industrial support base for the local and regional markets. The intent of the programme is to support and accelerate the application and uptake of the new sanitation technologies through demonstration, testing and science-based improvements towards localisation and industrialisation.

Central to the SASTEP initiatives are the two new standards s- the ISO/SANS 30500 and ISO 24521, which are key strategic tools for enabling and regulating the new sanitation technology platforms. Since South Africa is one of the leading countries in the world who have adopted ISO 30500, ANSI who is being funded by the Gates Foundation to create greater awareness of these standards internationally have approached the WRC to develop policy and technical material and guidelines that will assist with raising awareness with selected stakeholders and facilitators.

The SANS/ISO 30500 and ISO 24521 standards are complementary, and if correctly implemented, have the potential to improve health, reduce the environmental impact of wastewater treatment, and offer affordable options for users and communities. The SANS/ISO 30500 encourages the development of new technologies and solutions that addresses challenges behind the lack of sanitation, such as poverty, infrastructure and resources, while the ISO 24521 focuses on optimizing existing wastewater services.

The adoption and promotion of these two standards will assist with reducing cost, minimizing waste and increasing productivity at different levels of the sanitation value chain. The development of high-quality policy and technical guides, that will be presented through workshops and other platforms to various stakeholders in the sanitation value-chain, including policy makers, regulators, manufacturers, suppliers and end-users. It is expected the knowledge acquired through these workshops will assist in creating consensus around sanitation products and solutions and an understanding of how they fit into solving current sanitation challenges.

### **List of stakeholders**

The materials, guidelines and workshop event will be developed to target different sets of stakeholders in the sanitation value chain. A tentative list of stakeholders is provided below. The list should be finalized during the development of the materials and guidelines.

- National policy and regulatory bodies and departments such as DWS, DBE, DHA, DTI, DPW and waterboards
- Provincial and senior local government level (SALGA)
- Municipal officials responsible for sanitation and water use license
- Manufacturers, suppliers and downstream value chain support
- Manufacturers, suppliers, certification bodies (Agrément), consulting engineers, academia, water institutes, green building fraternity, eco-estate developers

### **Requirements:**

#### **ISO 30500**

- Develop policy and technical materials, guidelines and other aids that will provide users with an overview of and awareness for the ISO/SAN 30500 *Non-sewered sanitation systems – Prefabricated integrated treatment units – General safety and performance requirements for design and testing*.
  - The products should provide users with an overview of the sanitation value-chain including but not limited to available sanitation technology, current sanitation legislative and regulatory framework and other necessary information to provide context for the awareness session.
  - The products should provide a working knowledge and understanding of non-sewered sanitation systems (NSSS), how it fits into the overall sanitation value chain, advantages, disadvantages, benefits, gaps in the current legislative and regulatory framework that may create a barrier to adopting NSSS and enablers that will do otherwise.
  - The products should highlight or encourage discussions around the impact of the standard on the sector and allow attendees to identify gaps in skills, policies and regulations that will aid the adoption of the standards.
- Identify different groups of stakeholders.
- Develop specific content relevant for each group of stakeholders highlighted above.
- Demonstrate and train facilitators as part of first step of technology transfer.
- The material should include but not be limited to development of booklets, slides, video, app and other aids that will ensure the effective transfer of information and knowledge.

#### **ISO 24521**

- Develop policy and technical materials, guidelines and other aids that will provide workshop attendees with an overview and an in-depth understanding of the standard for ISO 24521 - *Activities*

*relating to drinking water and wastewater services — Guidelines for the management of basic on-site domestic wastewater services.*

- The material and guidelines should highlight or encourage discussions around the impact of the standard on the sector and allow attendees to identify gaps in skills, policies and regulations that will aid the adoption of the standards.
- Identify different groups of stakeholders.
- Develop specific content relevant for each group of stakeholders highlighted above.
- Demonstrate and train facilitators as part of first step of technology transfer.
- The materials should include but not be limited to development of booklets, slides, videos and other aids that will ensure the effective transfer of information and knowledge.

Interested parties to submit the following for consideration:

- Proposal demonstrating understanding of the requirements. This should include proposed material and guidelines framework, table of content for material and guidelines and details of tools and other aids.
- List of stakeholders with justification based on requirements of standards
- Schedule, detail of costs and payment schedule
- Proof of experience with similar project

**Deliverables:**

1. Policy and technical guidelines and awareness materials, tools and aids for SANS/ISO 30500
2. Policy and technical guidelines and awareness materials, tools and aids for ISO 24521
3. Demonstrate material with key stakeholders and rework materials and guidelines based on feedback
4. Pilot with facilitators
5. Final guidelines and awareness materials for both SANS/ISO 30500 and ISO 24521

**Time Frame:** 3 months (September - December 2019), deliverables will be staggered as per priority list. First sets of deliverables will be due early October.

**Budget:** R400,000

**Closing Date:** August 23, 2019