U.S.-India Standards and Conformity Assessment Cooperation Program
Phase II

U.S.-INDIA SCCP

ANSI Stakeholder Session
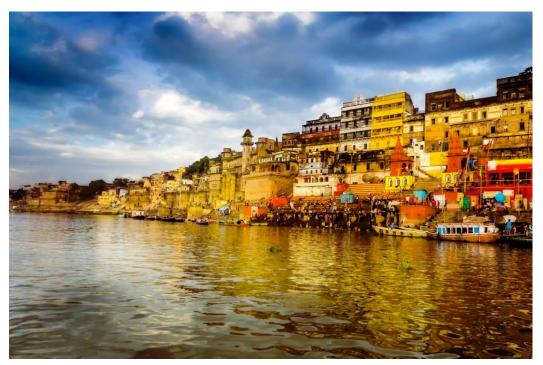
December 11, 2017

Agenda

- ❑ Welcome by ANSI: Director of International Development, Leslie McDermott

- ❑ Introductions of participants

- ❑ USTDA introduction: USTDA Country Manager, South Asia, Alissa Lee

- ❑ ANSI overview of the SCCP Phase II project and potential workshop topics for consideration and discussion

- ❑ Open floor to stakeholders for discussion

- ❑ Final observations and next steps

- ❑ Closing

Why India?

- ❑ India ranked top 10 economies showing most improvement in performance on WBG's *Doing Business 2018*

- ❑ Additional 315 million people to live in India's cities by 2040 (IEA)

- ❑ MAKE IN INDIA campaign to increase foreign direct investment

Past ANSI – India Collaboration
SCCP Phase I 2009-2012

- ❑ Sponsored by the U.S. Trade and Development Agency (USTDA) and coordinated by the American National Standards Institute (ANSI) and the Confederation of Indian Industry (CII)

- ❑ Targeted technical sectors included: building codes, storage of natural gas, aerospace, biometrics, plumbing and mechanical codes

- ❑ StandardsPortal expansion, workshop series, and development & access to U.S. standards directory

U.S.-India SCCP II: Overview

- Sponsored by the U.S. Trade and Development Agency (USTDA) and coordinated by the American National Standards Institute (ANSI) and the Confederation of Indian Industry (CII)

- 3 priority sectors: smart and sustainable cities; water and sanitation; and clean energy

- To facilitate cooperative exchange between the two countries' private and public sectors

- Facilitate development and adherence to transparent standards, conformity assessment, and technical regulations

U.S.-India SCCP II: Project Plan

- ❑ ANSI will develop and deliver 6 standards workshops to take place in India

- ❑ 1.5 – 2 day workshops

- ❑ Updates to StandardsPortal and link to new Indian Standards Portal

- ❑ Workshops likely be delivered between April 2018 to May 2019

SCCP II Focus Sector: Smart & Sustainable Cities

U.S.–INDIA SCCP

❑ USTDA and the Indian state and central governments are partnering for the development of three Indian Smart Cities: Allahabad, Ajmer and Visakhapatnam

❑ Urbanization in India expected to reach 40% with 7 megacities by 2030 (*UN World Cities Report 2016*)

❑ India is projected as a Top-10 export market for smart grid, and has risen in the rankings consistently (*2017 International Trade Administration Smart Grid Top Markets Report*)

SCCP II: Smart & Sustainable Cities – *Possible Topics*

- ❑ Building codes

- ❑ Housing

- ❑ Water access and management

- ❑ Electrification and Energy Management

- ❑ Waste management

SCCP II Focus Sector: Water & Sanitation

- In India, about 163 million people lack access to safe water and 210 million people lack access to improved sanitation (*water.org*)

- In India, about 570 million people defecate in the open – 59% of the world's population practicing open defecation

- Every day, more than 500 children in India die from diarrhea-related illnesses

- India loses over $106 billion per year from inadequate sanitation (*2017 U.S. Government Water Strategy*)

SCCP II: Water & Sanitation
Possible Topics

- ❑ Green plumbing

- ❑ Water efficiency & water resource management

- ❑ Quality and purification

- ❑ Toilets and sewage

- ❑ Piping to homes and businesses

- ❑ Access to drinking water

- ❑ Detection of unaccounted water flow

SCCP II Focus Sector: Clean Energy

❑ 71.5% of India's installed capacity from fossil fuels

❑ India is #4 world carbon dioxide emitter (*CIA World Factbook*)

❑ Goals of renewable energy target of 175 GW by 2022, a solar power generation target of 100 GW by 2022, an efficiency target of 40 GW worth of energy savings by 2027, and a goal of 100 percent rural electrification by 2022 (ITA)

❑ India is world's second-largest market for solar PV (ITA)

SCCP II: Clean Energy
Possible Topics

- ❑ Solar PV

- ❑ Smart Grid

- ❑ Smart Metering

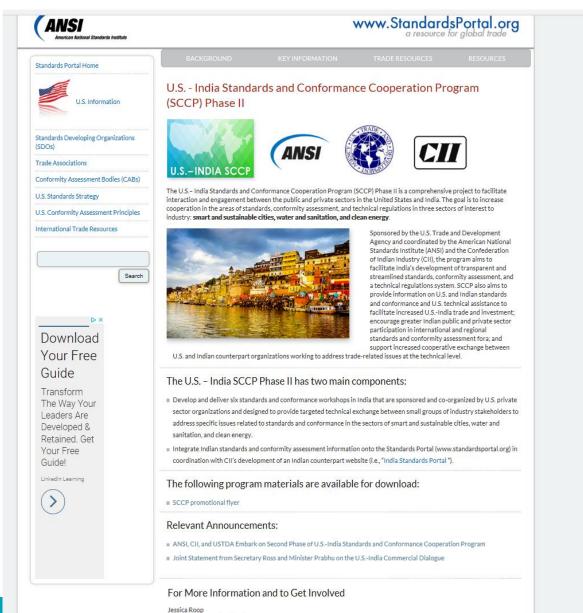- ❑ Energy Storage

- ❑ Interoperability

Next Steps

❑ Interested? ⟶ Fill out Proposal & Commercial Benefit Questionnaires

❑ Development of steering groups for each workshop

- Drive content, choose appropriate dates and locations

❑ Ongoing updates on project website

- **www.standardsportal.org/us-indiasccp2**

SCCP II: Online Resources

Questions?

For more information

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