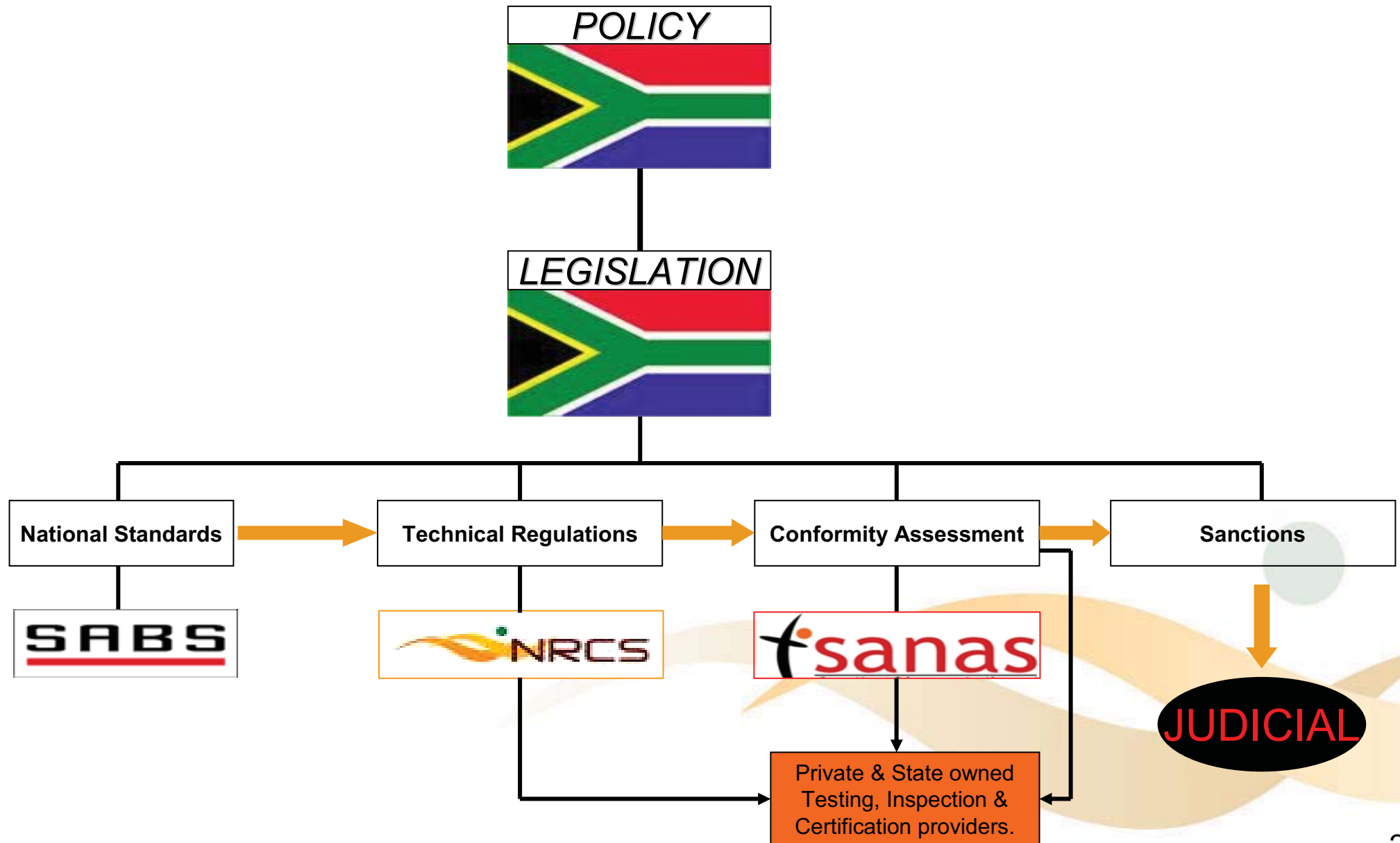


**Presentation to:**  
**Energy Efficiency Policies and Technologies**  
**in South Africa Workshop September 2012**

**Implementation and**  
**Enforcement of EE practices**  
**and technical specifications**

# THE NRCS IN CONTEXT



# THE NRCS MANDATE

- Statutory regulatory body established by NRCS Act no.5 of 2008
- WTO obligations (Regulatory Best Practice Model) – separation from standards, commercial test labs & product certification schemes
- NRCS administers REGULATIONS = Compulsory specifications (VCs) = in the interest of public safety and health or for environmental protection
- Products that are IMPORTED, MANUFACTURED, SOLD and/or EXPORTED must comply with mandatory requirements

# CONSTRUCTION AND METROLOGY

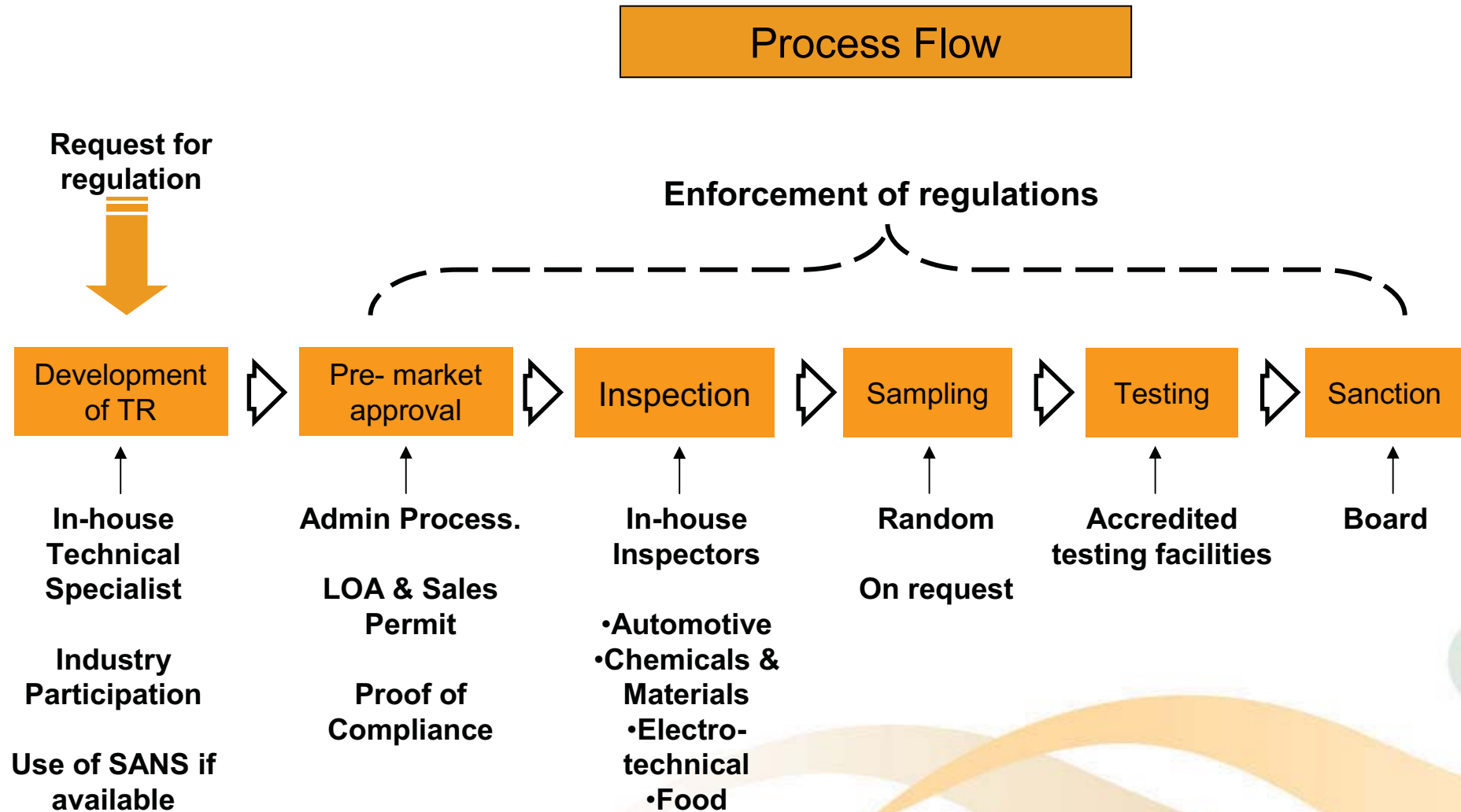
## NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT

- The DTI is responsible for administration of the Act
- NRCS advises the Minister on matters related to the Act
- NRCS drafts regulations on behalf of the Minister of DTI
- National Building Regulation for Environmental Sustainability – Part XA – Energy Efficiency in Buildings
- Effective November 2011

## TRADE METROLOGY

- NRCS administers the Trade Metrology Act 1977
- Covers all measurements used in trade

# OVERVIEW OF THE NRCS



# WHAT DO & DON'T WE DO?

## DO:

- Draft technical regulations for the Minister of dti
- Manufacturers/Importers/Builders must register with NRCS
- Issue Letters of Authority/Approvals documents
- Enforce the law (process of inspections and sanctions)
- Destroy/remove unsafe products
- Consult extensively

## DON'T:

- Write SANS standards (refer to SANS technical requirements in regulations)
- Test products/Compete with commercial labs/Certify products
- Regulate unnecessarily

# PROPOSED TECHNICAL REGULATIONS TO SUPPORT ENERGY-EFFICIENCY

## SOLAR WATER HEATERS:

- Submitted for first gazetting for public comment – DTI will publish as soon as Minister approves
- Factory built systems and thermal collectors must comply with SANS 1307

## DOMESTIC HOT WATER STORAGE TANKS (all types including for Solar, Heat Pumps and Electrical)

- Submitted for first gazetting for public comment – DTI will publish as soon as Minister approves
- All must comply with SANS 151, includes requirements for energy

efficiency

# PROPOSED TECHNICAL REGULATIONS TO SUPPORT ENERGY-EFFICIENCY

## ELECTRICAL APPLIANCES:

- Introduce minimum energy efficiency & labelling requirements (refer to SANS 941)
- Regulation at consultation stage

## LIGHTING:

### *Compact fluorescent lamps (cfl's)*

- Published 2011, consulting on amendment re certification requirements

### *Phase out of 3 inefficient lamps – incandescent and others*

- Minimum energy efficiency targets and timetable agreed with industry
- Inefficient incandescent lamps removed from market by 2014
- Amended regulation will be published for public comment (early 2013)



# PROPOSED TECHNICAL REGULATIONS TO SUPPORT ENERGY-EFFICIENCY

## NATIONAL BUILDING REGULATIONS: ENERGY EFFICIENCY OF NEW BUILDINGS

- Part XA effective November 2011
- Includes mandatory use of renewable energy (including solar/heat pumps/other emerging technologies) for water heating
- Administered by Local Authorities

## ELECTRIC VEHICLES

- Amended regulation for passenger vehicles (M1) will be published for public comment (early 2013)

# CLOSURE

**Thank you!**

<http://www.nrccs.org.za>

