

South Africa National Product Registration System for Appliances

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Large Residential Appliances in SA







- Supported by Energy Efficiency Strategy
- Successful GEF application (\$4.1m) 2011
- MEPS Legislation in 2015 & 2016 (water heaters)
- A National Regulator for Compulsory Specifications uses the 3rd party conformity assessment approach
- The NRCS Act views public safety, health and environmental protection with the same lens

NRCS Process Flow





- Stablished process
- A No investment or lead time to create a Regulator
- Complements H&S registration requirements
- Sustainable funding model

However,



Staff training required

Existing IT system not fit for purpose – old and H&S centric

- Long LoA processing times at one point >120 days
- Combination of online and paper
- Manual processes (errors, loss of data)
- No data repository
- Poor reporting
- Inefficient market surveillance
- Industry approached Minister and Parliament to intervene

PRS – The Answer?



International expert to develop technical specs

- ToR issued for a system developer
- Open source software
- Staff and industry training

www.applianceregistrationdatabase.org.za





LOGIN

REGISTER AN ACCOUNT

To create an on-line account that will enable you to register products for Energy Efficiency Products Database in South Africa submit the details below.

Email Address *

theo@unlimitedenergy.co.za

Please enter a valid Email Address.

JDE Number*

PRS is a Game Changer



Shifts responsibility to applicant, with basic intelligence and automated responses



Online registration database is live (May 2021)

- LoA application processing times have dropped from ~70 to ~15 days
- NRCS officials would like the system to be replicated for H&S applications
- After initial concerns of revised application approach, industry recognises the benefits of an automated system



Data analysis and reporting
Risk based compliance
Public access to database
Updating energy label with QR code

Evolution of Energy Label



Proposed

🛞 EN	ERGY
	Refrigerator
Manufacturer	
Model	
More efficient	
Atte	
1.99	
R.	
40 C	В
D Less efficient	
Energy consumption, kWh/year doesdon standarting realities 24/24	XYZ
Actual everys consumption will depend on loss appliance is used and where it is longest	he .
Fresh food volume, litre	YZ
Propen field values, here	٧Z
Noise (optional) (cB(A) to 1 gW)	YZ
Further information is contained in the product brochure Network/06/05/02	





Change must be managed

- Ministries must remain up to date with technology advances
- Regulator staff must be convinced of the benefits
- IT department must be on board
- Business process (re) engineering is a crucial intermediary step
- Industry must be dealt with fairly but **firmly**



THANK YOU



SA's S&L Impacts and Remaining Potential

