

Energy Efficiency (EE) Product Registration Database

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PRESENTATION OUTLINE

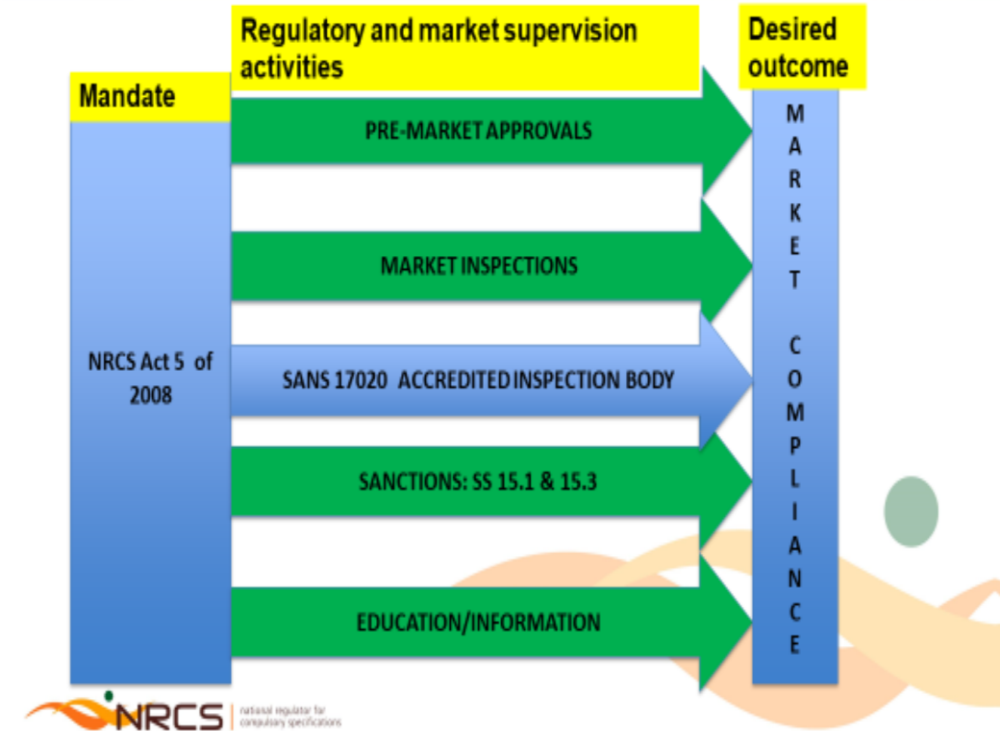
1. Overview of the NRCS
2. What is the EE Database?
3. Product categories covered
4. System architecture
5. Key benefits of the system
6. Practical examples
7. Closing remarks

1. Overview of the NRCS

Quality infrastructure lattice



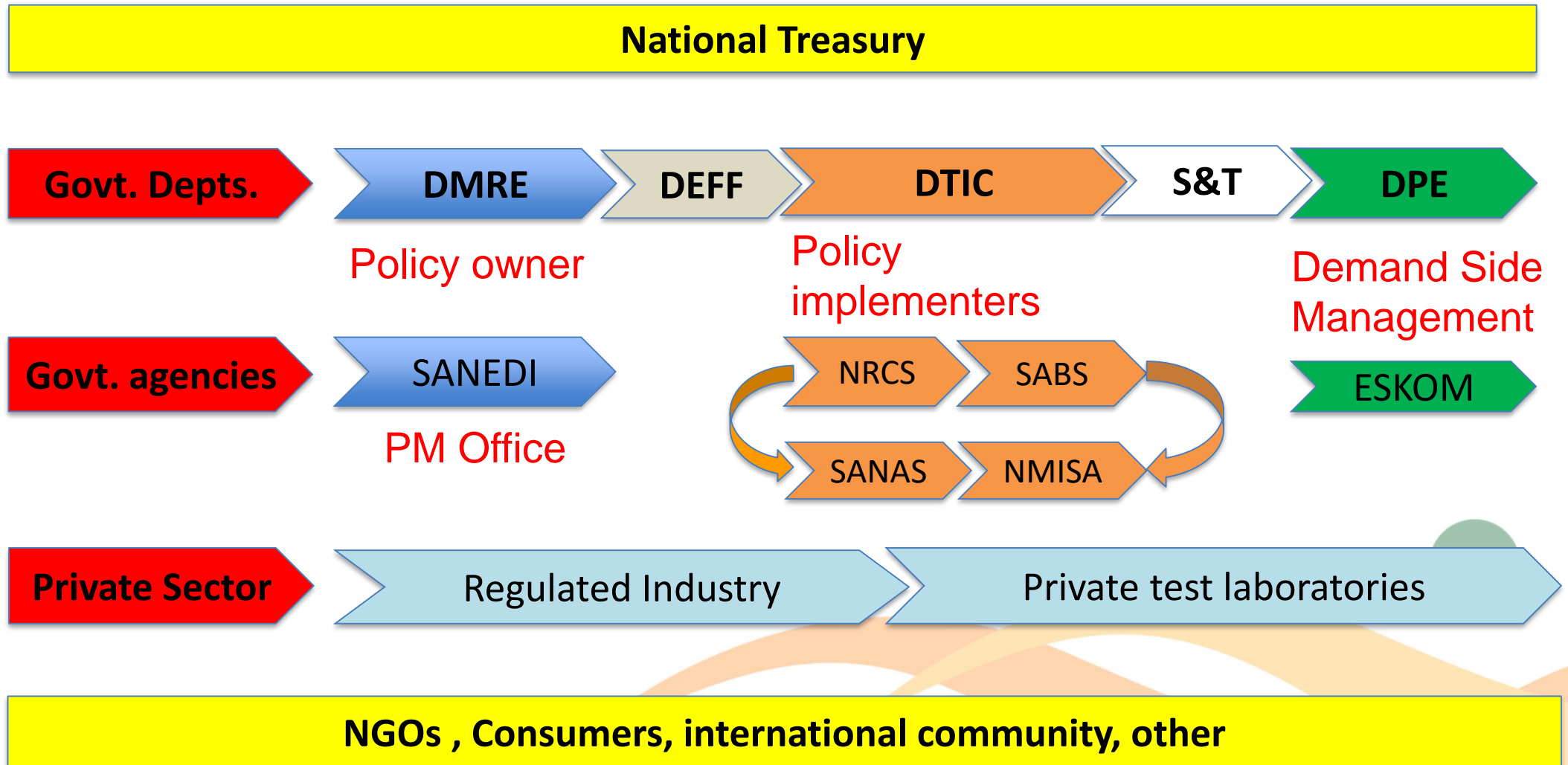
Overview of regulatory approach



- System of interrelated mandates with reciprocal and pooled interdependencies.
- NRCS occupies the regulatory function in the QI lattice, operationalizing EE Policy by implementing and administering energy efficiency technical regulations.

Overview of the NRCS: S&L program context

Key program stakeholders



2. What is the EE Database?

An online system through which applicants can apply for EE Letters of Authority (LOA) to sell regulated electrotechnical appliances in South Africa

<https://www.applianceregistrationdatabase.org.za/>

Global best practice

- EU: EPREL Database
- Australia

- Full implementation from 1 April 2021

3. Product categories currently covered

VC 9008: Electrical and electronic apparatus

12 products categories

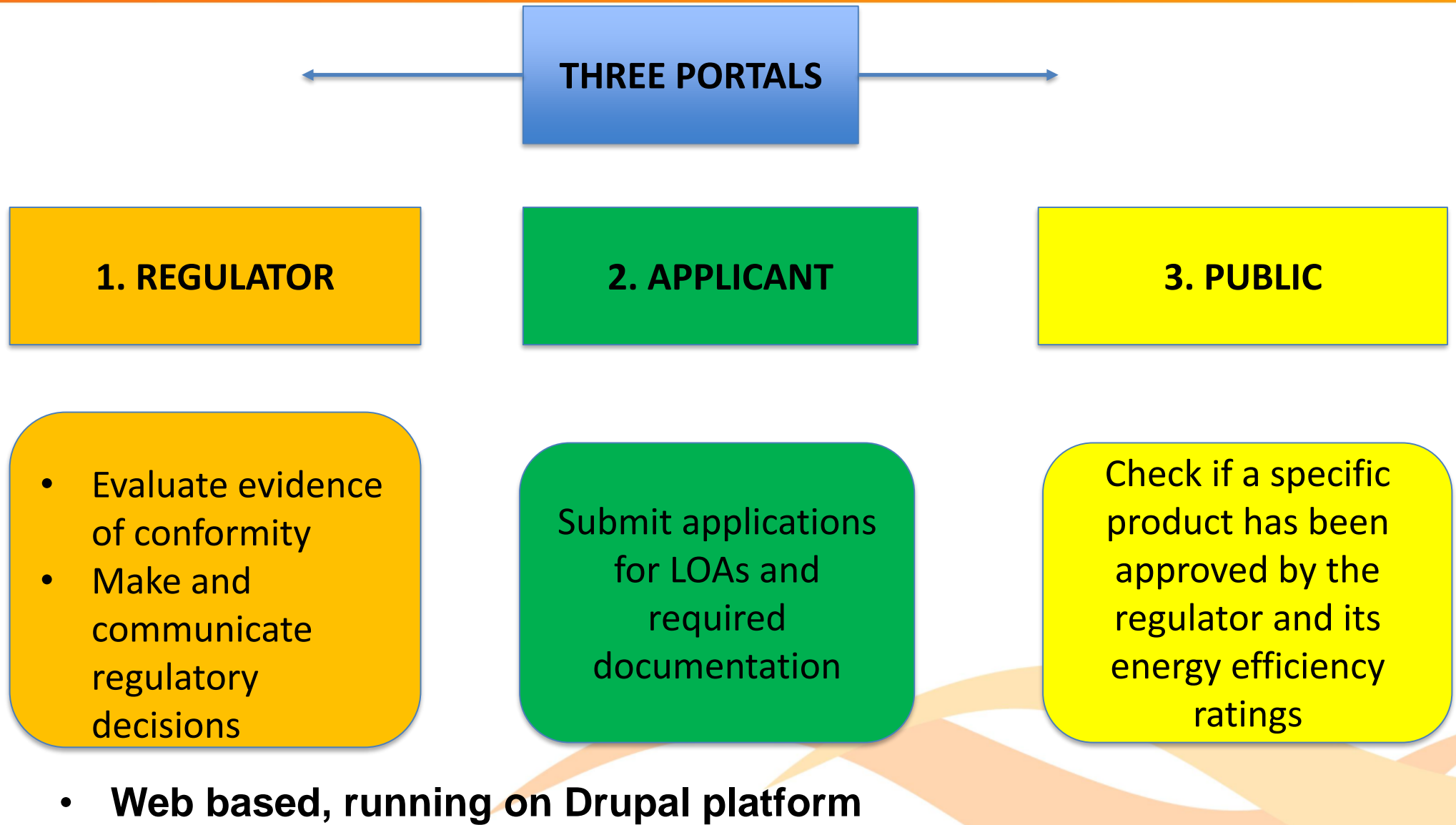
- Air-conditioners
- Refrigerators/Freezers
- Audio Equipment
- Set Top Box Decoders
- Clothes Washing Machines
- Tumble Dryers
- Dishwashers
- Televisions
- Electric Ovens
- Video Recording Equipment
- Washer Dryers
- Multifunction Equipment

VC 9006: hot water storage tanks

1 product category

- Water heaters (geysers)

4. EE database architecture



5. Key benefits of the EE Database system

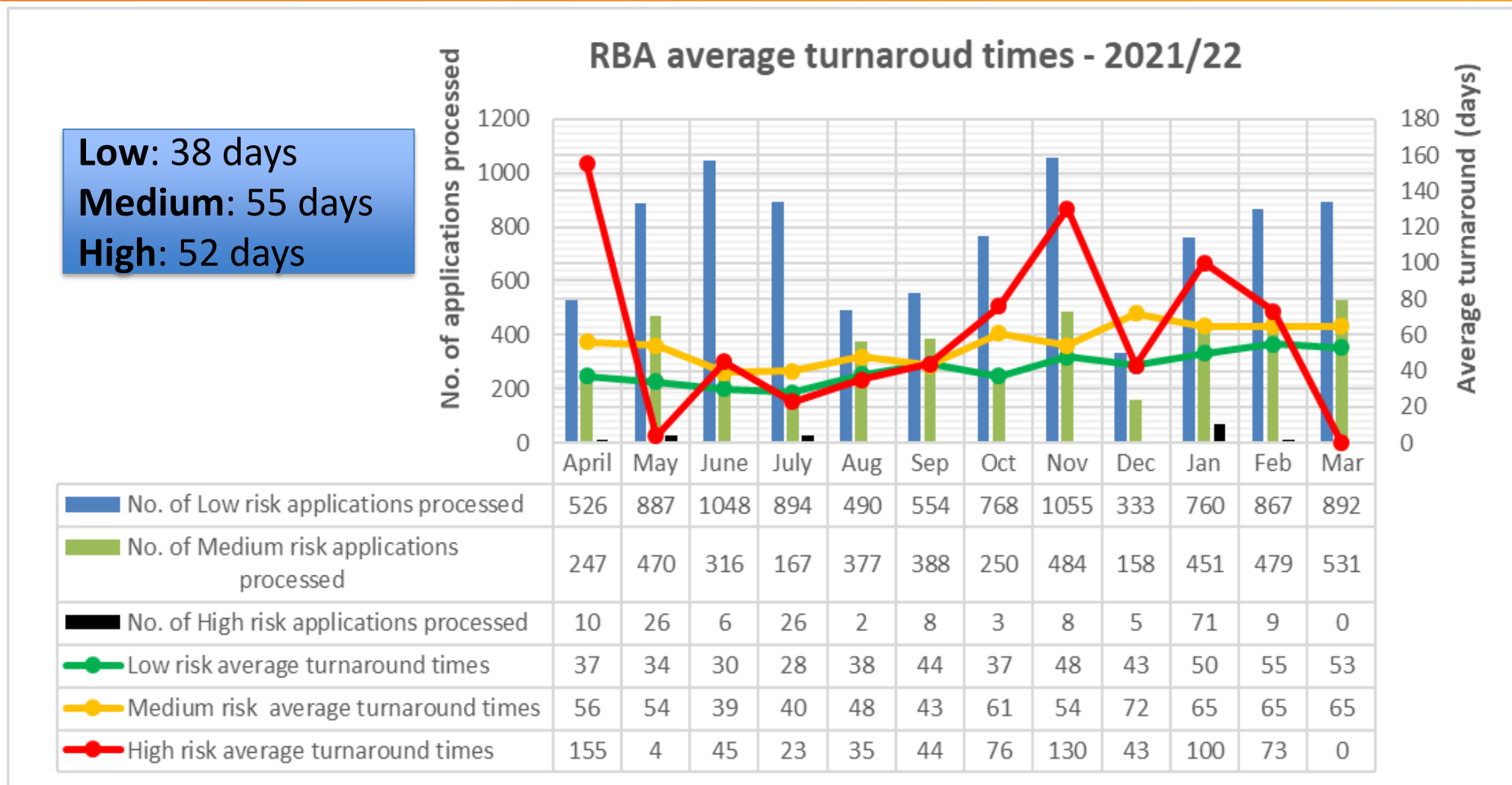
REGULATOR

- Reduces the amount of work required of Regulator Staff
- Reduces the number of returned applications
- Reduces the turn around time for applications
- Automated email notification of any change in status
- **Applications validated by the system**

APPLICANTS

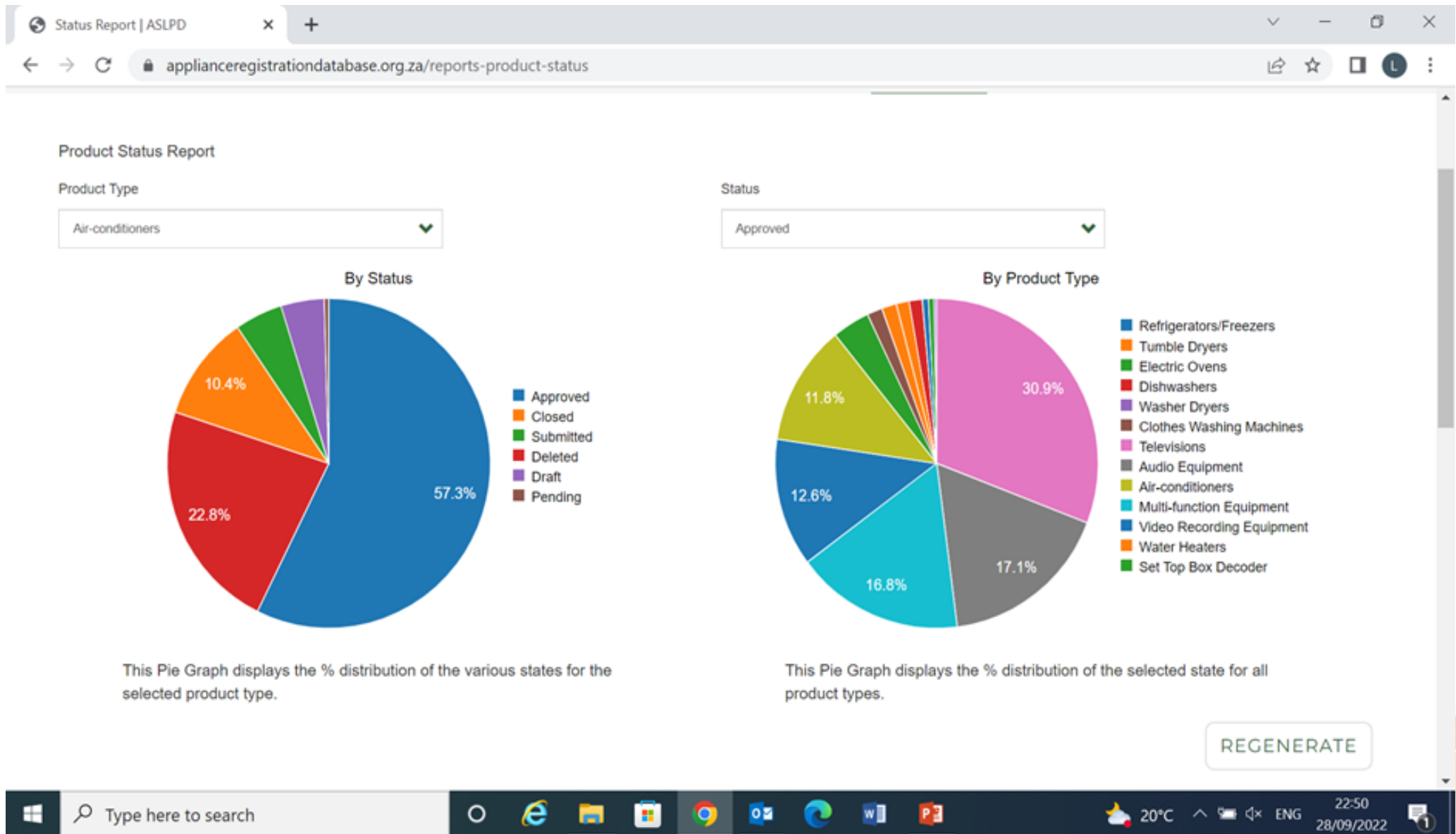
- Central Record of All Applications submitted through the system
- Automated notifications via email of a change in the status of applications (Submitted, Pending, Evaluated, Closed)
- Ability to check the status of an application at any time
- Download LOA

6. Practical examples: average turnaround times



- **2016/17** – average turnaround times easily exceeded 120 days
- **2017/20** – average turnaround times range: from 90 – 120 days (learning effect, RBA introduction)
- **2020/22** – average turnaround times range: 30 – 60 days (EE Database, RBA, ...)

Practical examples: extract from EE Database



Practical examples: extract from EE Database

Registration per Period | ASLPD x +

appliance registration database.org.za/reports-registration-period

REGENERATE

This table displays the number of submitted and approved product registrations for all product types within the selected date range.

Product Type	July		August		September	
	Submitted	Approved	Submitted	Approved	Submitted	Approved
Air-conditioners		29	5	9	17	12
Audio Equipment		46	11	22	38	4
Clothes Washing Machines		6	5	5	2	2
Dishwashers		3	3	2	4	
Electric Lamps						
Electric Ovens	1	7	6	5	5	2
Multi-function Equipment		51	9	29	28	10
Refrigerators/Freezers		36	14	20	19	1
Set Top Box Decoder		4	1	1		1
Televisions		112	18	47	25	7
Tumble Dryers	2	3	1	3	2	3
Video Recording Equipment				1		
Washer Dryers						
Water Heaters		8				1

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17th Annual SAECC Conference SANEDI

"Protecting health, Safety, the Environment and ensuring Fair Trade"

Practical examples: extract from EE Database

Registration per Period | ASLPD x +

applianceregistrationdatabase.org.za/reports-registration-period

Product Type: Air-conditioners

Month: July

Air-conditioners by Month (2022-07-01 - 2022-09-28)

Month	Submitted	Approved
July	0	28
August	5	9
September	17	12

This Bar Graph displays the number of submitted and approved product registrations for the selected product type and date range.

July by Product Type (2022-07-01 - 2022-09-28)

Product Type	Submitted	Approved
Air-conditioners	0	30
Audio Equipment	0	45
Clothes Washing Machines	0	5
Dishwashers	0	2
Electric Lamps	0	1
Electric Ovens	0	5
Multi-function Equipment	0	50
Refrigerators/Freezers	0	35
Set Top Box Decoder	0	2
Televisions	0	110
Tumble Dryers	0	1
Video Recording Equipment	0	1
Washer Dryers	0	1
Water Heaters	0	5

This Bar Graph displays the number of submitted and approved product registrations for all product types for the selected month.

Type here to search

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Practical examples: extract from EE Database



HOME MY ACCOUNT ▾ MANAGE APPLICANT ACCOUNTS ▾ MANAGE PRODUCTS TEST LABS ▾ REPORTS ▾

LOG OUT

Record ID Account ID Product Registration Number Record Status Product Type Brand Name

Model Number Responsible Officer

Total rows: 2231

Record ID ▾	Account ID Number	Record Status	Product Type	Brand Name	Model Number	Status Date	Assign To	LOA	QR Code	
ZAF-R-0002980	APP-ZAR-000850	Approved	Air-conditioners		JASA-H12A4/JAI2	2022-09-25				VIEW
ZAF-R-0002979	APP-ZAR-000850	Approved	Air-conditioners		JASA-H18A4/JAI2	2022-09-25				VIEW
ZAF-R-0002978	APP-ZAR-000850	Approved	Air-conditioners		JASA-H09A4/JAI2	2022-09-25				VIEW

7. The End

THANK YOU