STS ASSOCIATION

STANDARD TRANSFER SPECIFICATION

TID ROLLOVER – A CRITICAL COMMUNICATION

To be completed by **24 November 2024**

Background

- **1993 Eskom electrification program**
  - 10 million households over 10 years
  - Prepayment meters as the technology of choice
  - Proprietary systems caused many issues - Interoperability was needed
- **Standard Transfer Specification (STS) developed**
  - Standard language/protocol to transfer credit to the meter
  - 20-digit token to be entered into meter coded with a TID (Token Identifier)
  - Ensured tokens cannot be replayed in the meter – 1 Token, 1 Meter, Only Once
- **To date 10+ million meters in SA**
  - 7+ million Eskom
  - 3+ million Munics + Metros
- **70+ million world-wide**

Problem statement

- Unique token identifier (TID) encoded into each 20 digit token
  - Calculated as the number of minutes elapsed from a base date of 1993
  - Stored in the meter to prevent token replay

- TID runs out of range on 24 November 2024
  - **Meter will stop accepting new tokens**

- **REMEDY**
  - Visit each meter and enter 2 special "Reset" tokens
  - "Resets" the meter to a new base date of 2014
  - Extends the useful life of the meter until 2045

TID Rollover – Explained

- <u>What happens to STS meters on 24 Nov 2024?</u> – They will ALL stop accepting new credit until the key change process is completed.

- <u>How do you identify affected meters?</u> – The meter will display the STS Logo. It will be one of the logos displayed below

TID Rollover – Explained…

1. What needs to happen to mitigate the risk of this event?

Each body corporate needs to initiate contact with their **vending service supplier** to check their readiness for the TID rollover. The **vending service supplier** would need to complete the following 2 steps… (They can contact the STSA for clarity if needed)

a) Upgrade of their vending system to STS Edition 2

b) Updated Supply Group Code (SGC) to a 2014 base date via the Key Management Centre (KMC)

TID Rollover – Explained…

2. Each body corporate needs to then contact their **vending service supplier** and request KCT (Key Change Tokens) for all of their meters and discuss between themselves how that will be distributed to the consumer.

- DIY – via the consumer
- Dedicated staff

3. Each body corporate needs to then distribute KCT (Key Change Tokens) to the consumer with appropriate communication of HOW to do the key change process.

* The STSA will provide a tutorial video & accompanying step-by-step guide to facilitate this process

PLEASE ACTION THE TID Rollover Program URGENTLY!!!

There are 81 weeks left!!!

For further information

Visit www.tidrollover.com

Or

riccardo@sts.org.za

We have extensive material to assist you in your process, contact us directly for more information.

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THANK YOU

Questions?