



STS ASSOCIATION

STANDARD TRANSFER SPECIFICATION

TID Rollover – A critical communication

Providing guidance for the TID Rollover – 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**
 - **Meter will stop dispensing electricity**
- **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 – Communication Drive

- STS Association initiative
 - Reach out to all users of STS technology Alert users to the pending 2024 event and remedial actions to take
 - Provide guidelines and assistance
- STSA (locally) has distributed information packs by courier to utilities in SA
 - 244 municipalities
 - 228 sub-metering entities
- Established a special task team and central information repository + help line
 - Website : <https://www.tidrollover.com>
 - Email : tid@sts.org.za

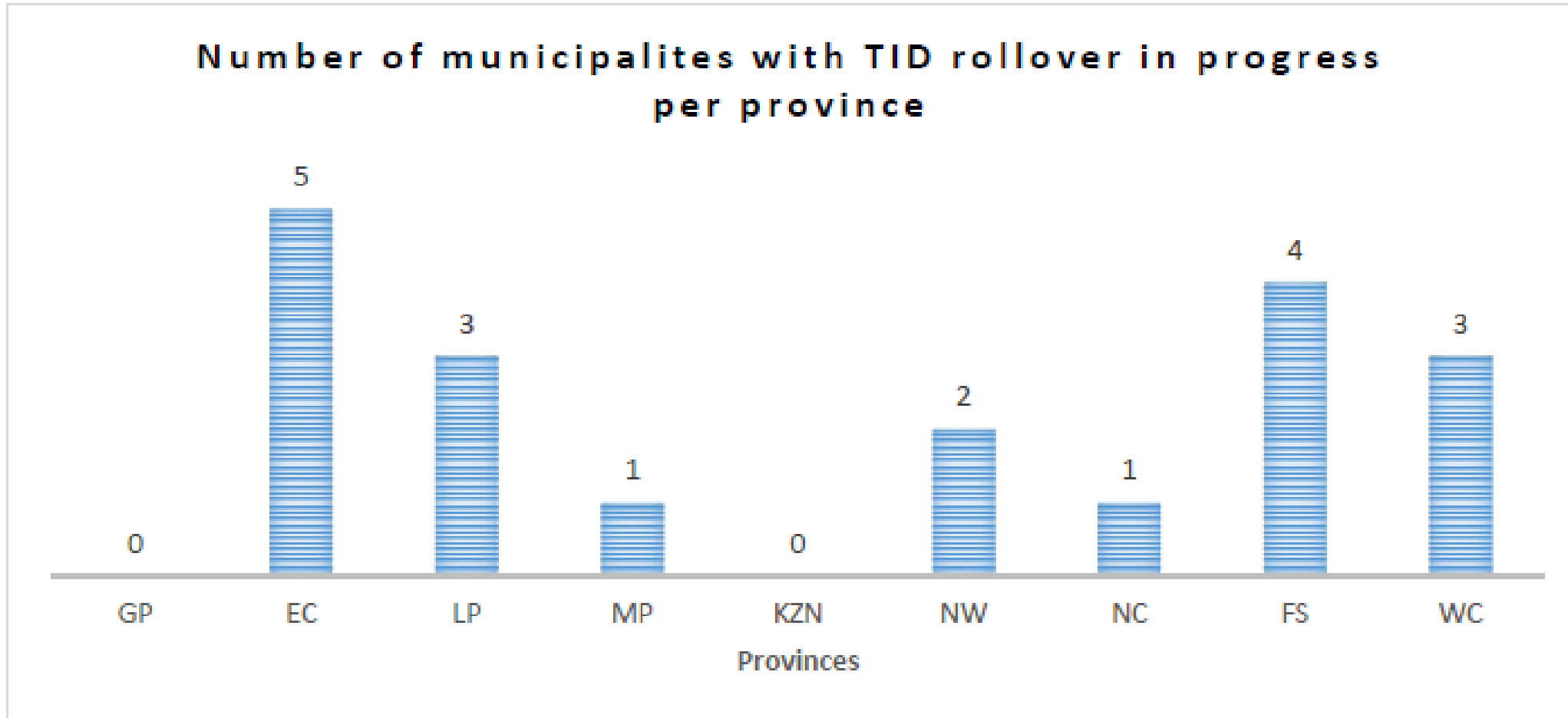


TID Rollover – Communication Drive cont...

- STSA / SARPA Podcast: TID Rollover LIVE chat
 - Held once per month on the 1st Thursday of the month – Next one is 1st September
 - Provide guidelines and assistance
 - Information sharing
 - LIVE Q&A
- STSA Training material
 - Custom video content to assist in training your teams
 - This content can also be forwarded to your customer base
 - Come see me and get your USB flashdisk containing all of this content
- LIVE Presentations & Webinars
 - There is always a chance that someone attending will be hearing about TID rollover for the first time



In progress (survey response) 2021



Added benefits and funding

- Do a meter audit on installed base at the same time
- Remedy any faulty or tampered meters
- Update the customer/meter database information system
- Recovered non-technical losses (30%) can fund the TID Rollover project
- National Treasury is busy with Transversal Tender agreement

PLEASE ACTION THE TID Rollover Program
URGENTLY

– 2.5 YEARS TO GO

For further information

Visit www.tidrollover.com

Or contact me directly on

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THANK YOU
QUESTIONS
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