

Maputo & Xai Xai Conversion Report. 3rd Iteration/ Cycle

SIGEM CMS Project

Data Conversion

EDM

Mozambique

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| MODIFICATIONS TO PRIOR DOCUMENT |
| Issue for approval |

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# Introduction

This document will be used as the main statistical report for the Maputo city, Maputo province and Xai xai data migration from Galatee, Access and Eclipse EE to CMS. The report compares statistical entities from the source and what was migrated into the target database. The report will also state the differences if the source and target databases have different values.

The conversion statistics focuses on the following major areas:

* Contract statistics by count
* Contract debt balances by status and tariff
* Subscriber deposit balances per district
* Areas with issues to highlight to EDM

For the purpose of the highlighted results it should be noted that, the data received from Galatee and Eclipse EE was from the Maputo database which has both Maputo City and Maputo Province customers. The data used was extracted in June 2013. The financial data used was only for period of 2 years. For Xai xai there was not provided financial data and the database used for Customer data is from September, 2013. All accounts were considered and conversion rules were used to pick only the customers eligible for conversion.

# Statistics Summary

## Converted Services



The following conversion rules were used;

* All active accounts in post paid were converted.
* Inactive accounts in post paid with a non-zero balance were converted.
* All active meters in prepaid were converted.
* *One prepayment account failed to be converted because it did not have meter installation date. This should be checked from Eclipse and corrected for future conversions.*

## Converted Services with Cadastramento Data



From the table above only 8.2% of post paid customers have Cadastramento data and 49.2% of prepaid customers in Maputo have data in Cadastramento. Also we have meter numbers in Eclipse EE (Maputo city and Maputo province) which are appearing in provinces outside Maputo in Cadastramento. These needs to be investigated further as this may mean that there are duplicate prepaid meter numbers in EDM.

The data which was used for this conversion from Cadastramento is from the previous data extraction. This data may contain errors and was not in the requested formats. There is need for EDM to provide data from Cadastramento in the requested format for the next cycle.

## Converted Services by Tariff – Galatee



## Converted Services by Tariff – Access



## Converted Services by Tariff – Prepaid

All prepaid customers were converted under one tariff code in CMS. This is due to the fact that Eclipse currently has 46 tariffs which will require to be mapped to the tariffs in CMS.

## Converted Debts



Considered for this cycle for conversion are only debts from Galatee for Maputo DB for debts accumulated in the period of 24 months from date of data extraction.

In the next conversion they will be required data of all the unpaid amounts from Eclipse to be converted as unpaid bills these will be paid during the normal vending. A history of every token purchase (vend) by the customer will also be converted for a period of 24 months this was not applied in this conversion cycle though the data was provided by EDM. The conversion team is working on the script to load such and it will be applied in the next cycle.

Access did not provide the billing data and no data was considered for conversion for Xai-xai billing.

## Converted Security Deposits

No security deposits were converted since we do not have data in the correct format from both Access and Galatee. This data is required in the next cycle so that we can test the conversion process and other CMS functionality which require deposits.

For prepaid customers they will be no security deposits to convert since these customers are not charged security deposits.

EDM does not pay interest on security deposits which were paid by the customer, and such data does not exist and will not be converted to CMS.

# Issues Encountered And Resolutions

During the data conversion for with the statistics herein, it was observed some issues which will require attention from both EDM and the Indra conversion team. Some of the items are discussed under the statistical tables within the document however, below are some of the issues.

1. Galatee and Cadastramento data used for conversion is from the previous data extraction. This data may not reflect the current number of accounts for these two systems. Cadastramento provided another set of data for migration but the provided data could not be used during this conversion because it was missing some essential data. This was escalated to the responsible team in EDM for correction in November 2013.
2. The bairros used for conversion did not have proper linking to the commercial centres. This information was provided by EDM however the information defers with the data from Cadastramento and we have requested EDM to provide the data matching the Cadastramento. We are awaiting this data from EDM and hopefully in the next cycle this will be corrected.
3. The reading routes used in EDM may not be optimized to be read within a single day. There may be need to split them and reorganize them into manageable itineraries. During this conversion this optimization was not considered. There will be need to optimize such and it will be required from the implementation team such information. This issue was discussed with EDM and we await the response from their side.
4. Prepaid customers are not in any itinerary in EDM, these they will be required to be put in reading itineraries which will be read once every four months. It is important to have these put in itineraries and such data should be provided for conversion.
5. Unpaid post paid debts for prepaid customers were not considered during this data conversion. These should be provided and a bill will be created in CMS so that the payments done from Eclipse can be accounted for in CMS too. This data was not provided yet by EDM.
6. The conversion did not consider meters which are not installed. These will be provided during go live and the missing data may not affect this and subsequent data conversions.
7. Galatee provided billing history for the last 24months. Though the data was not in the requested format due to Galatee RDBMS short comings, we managed to put it in a format that we deemed fit for data conversion. This data may not be correct since this was not verified by EDM. This should be discussed with EDM so that the data to be provided in the next cycle can be verified. Access did not provide any historical billing.
8. Both Galatee and Access have not provided security deposits in the requested format. There is need to expedite the process to start developing and testing conversion scripts for this.