

## Overview

**Project Team Sponsor:**

**Team Leads/Process Owners**  
Veronica Garcia & Justin Clow

**Resource Team:**

Finance (Alison Kibble-Koshi)  
Installation & Repair (Ynez Hicks)  
Service Desk (Geri Powell & Chuck Rose)  
Programmers (Luis Valdez & Marina Rusakoff)

## Define

**Business Case:**

ITS currently has annual telephone equipment charge-offs of \$3,600 and misses an estimated \$5,500 in telephone hardware upgrade and replacement billing opportunities annually. Improvements to either of these metrics would result in a direct dollar-for-dollar increase to the department's bottom line. If this project is not completed, ITS will continue to lose potential revenue and misspend administrative and customer time investigating and solving problems associated with this issue.

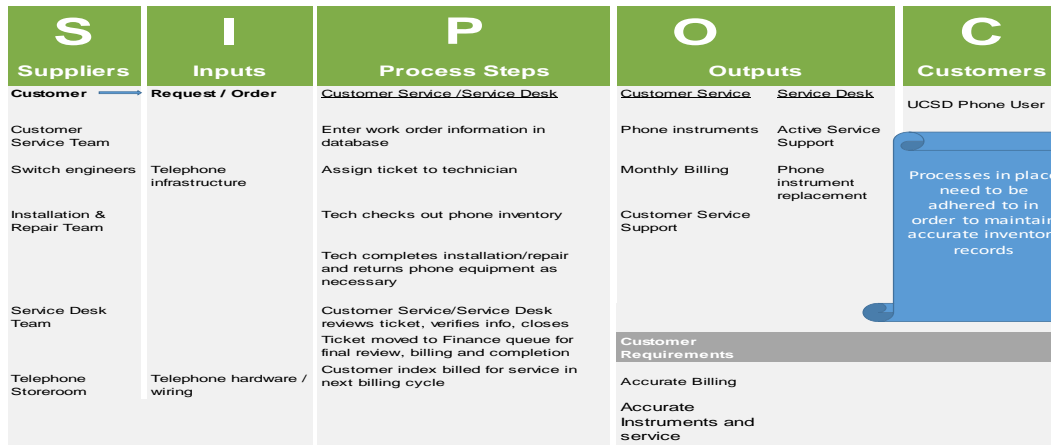
Voice of the customer (VOC)

### Problem Statement:

The ITS Service Desk and Customer Service groups dispatch repair technicians to install and repair telephone equipment for campus users. As part of this process, technicians check out and return telephone equipment from inventory which is tracked and accounted for by the Finance department. Yearly inventory counts and customer billing records have been indicating a significant inaccuracy in these measures, with an estimated 540 telephone lines currently being billed incorrectly and an average of 72 phones being written off per year due to inaccurate inventory counts.

### Goal:

The goal is to change work procedures in order to remove primary causes of inaccurate inventory counts. Decrease annual telephone equipment charge offs by 50% by the end of 2017.



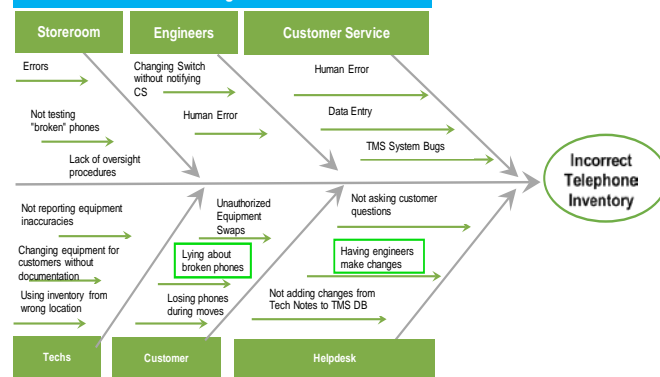
## Measure

## Analyze

### Data Collection Plan

Measure	Data Type	Operational Definition	Stratification Factors	Sampling Notes	Who and How
Number of Telephone Inventory Discrepancies	Discrete	The number of entries in the TMS telephone unit inventory billing database which do not match the actual model of phone equipment actually leased to the phone line -according to the Telephone Switch database. These discrepancies represent units for which the customer is being billed inaccurately.	None	Pull reports weekly from TMS and Switch databases and run a comparison to find campus phones which have discrepancies between the two databases.	Veronica to request reports, Justin to perform cross-checking.
Percentage of replacements for damaged phones with a fee levied to the customer	Discrete	The percentage of replacements for missing or broken telephone units for which the department successfully levies the appropriate replacement fee. The majority of these units are currently being written off without recuperating any costs with a fee.	None	Check with TMS programmers for reports and verify against number of written off damaged phones with the telecom storeroom clerk.	Veronica to request reports and check.

### Fishbone Diagram

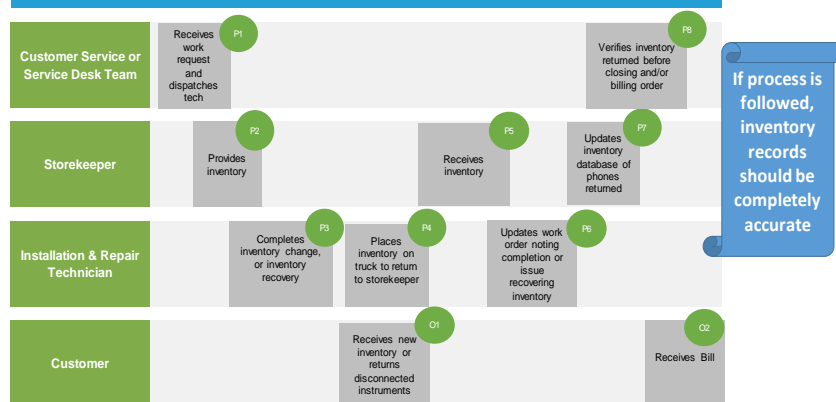


## Improve

## Control

Process Step/Input	Potential Failure Mode	Potential Failure Effects	Potential Causes	Current Controls	Action Recommended	Resp.	Actions Taken	RPN
Staff creating or accepting orders without verifying customer's current equipment	Allows inaccuracies	Incorrect billing, unhappy customers	Staff is not trained to verify customer's current telephone equipment and are assuming the database is correct	Annual inventory count always off	Staff training, creating automated verification steps to be added into the ticket creation process	Veronica	ETA 1/2018	140
Service Desk Process for inventory	Service Desk not updating TMS database when a lost phone is replaced with another taken out of stock	Inventory will be inaccurate	Majority of staff do not have TMS installed on PCs	Access to webTMS install base to verify line typed and leased models	Train employees	Geri	Trained on 5/20	120
Technicians process for changing inventory codes	Tech replaces instrument with model other than what customer is leasing	Inventory will be inaccurate	Not following procedures in order to make the customer happy	Techs can contact SD or CS if instrument discrepancy found when completing order	Staff training	Ynez	Trained on 5/20	120
Switchroom process for changing phone line programming	Telephone switch engineers changing telephone models in switch without a corresponding change to TMS billing database	Inventory will be inaccurate	Not following process and making changes based on actions requested by service desk or technicians to help customer	Can notify SD or CS if programming is other than what is in an order	Staff training	All	Trained on 5/20	120

### Process Control Plan



If process is followed, inventory records should be completely accurate