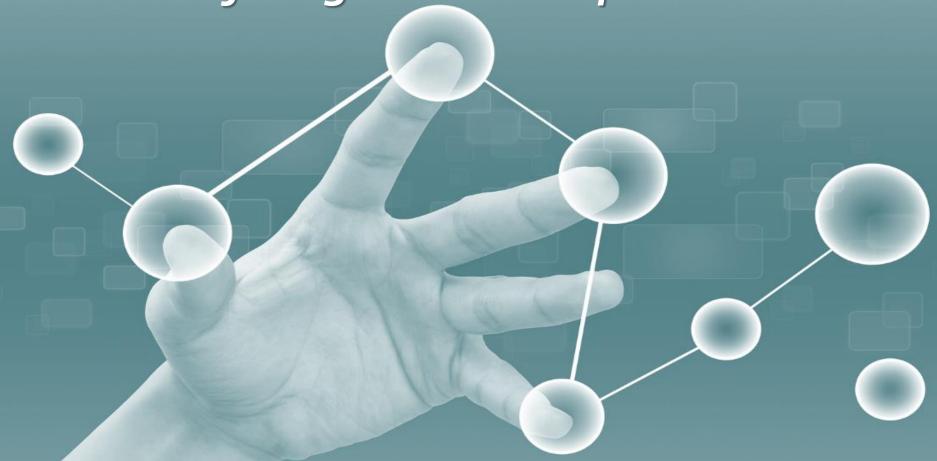
# Insight Experience Design The ROI of Insight Driven Experience



Mark Weinberg February 2013

# Experience: Simple, Effortless, Intelligent, Satisfying!

Example: Keeping Warm!

Use Satisfaction of Simplicity /



- Maximum User Effort
- Time Consuming
- Inefficient

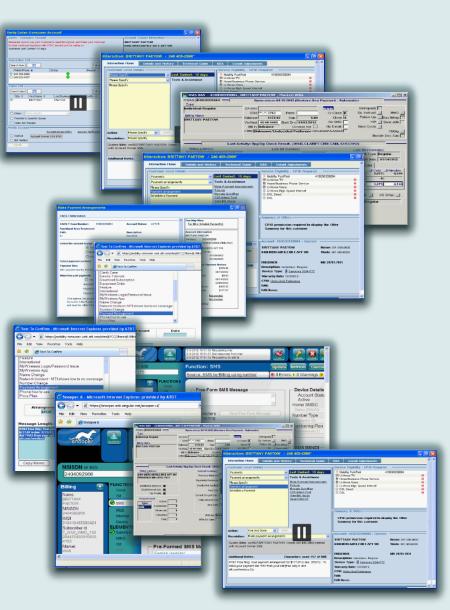


- Medium User Effort
- On Demand (+ maintenance)
- Limited Efficiency



- No User Effort
- "Invisible"
- Highly Efficient

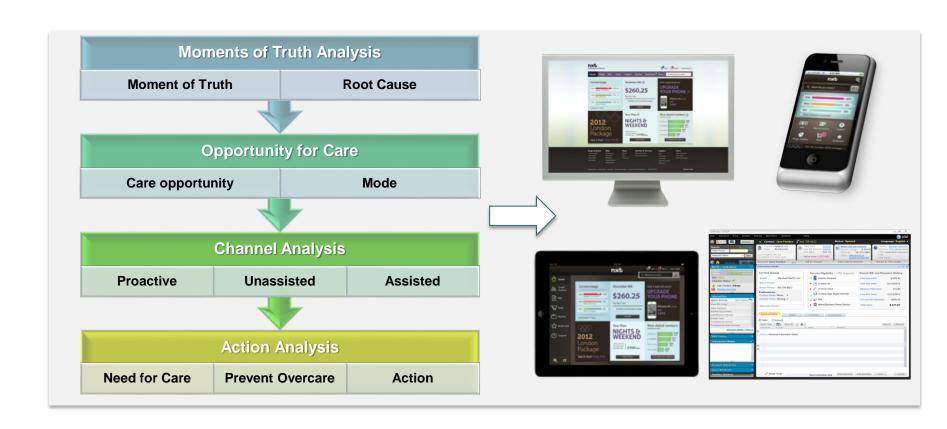
# From this ...





## What is the Insight Experience ROI Model?

- Insight Centered Design is an agile experience design process and part of the end-to-end customer engagement model and methodology
- It provides optimal user interaction experience solutions across channels
- It measures the user/customer experience
- It quantifies the benefits and value add from current to recommended



## **Compelling Business Case**

#### **Insight Proactive Care ROI**

**Business Models and Year 1 Benefit** 

| Product Positioning                    | Year 1 Benefit |           |         |  |  |  |  |  |  |  |
|--|----------------|-----------|---------|--|--|--|--|--|--|--|
|  |                |           |         |  |  |  |  |  |  |  |
| Mobility - Proactive                   | \$21.80 M      | \$10.40 M | \$13.9M |  |  |  |  |  |  |  |
| Mobility - Proactive + SS + CC         | \$68.40 M      | \$44.70 M |         |  |  |  |  |  |  |  |
| U-Verse - Proactive                    | \$4.70 M       | \$3.80 M  | \$3.0M  |  |  |  |  |  |  |  |
| Mobility/U-Verse - Proactive + SS + CC | \$78.40 M      | \$53.30 M |         |  |  |  |  |  |  |  |

Calls Deflected
Calls Shed
Predicted Flows

- Volume metrics and statistics are gathered from mobility and mapped to Insight root causes
- · Detectable calls are computed
  - · Where Insight knows the root cause in advance
- · Population of detectable calls where customers impacted by a specific use case are identified
- . Probable effectiveness for that population is estimated for each use case for each root cause
- · AHT savings are computed using recorded call mappings of time from actual calls
- The #calls shed , #Deflected and AHT time savings are converted to \$ using \$8/call

#### **Insight Experience Improvement ROI**

Savings of > \$100M in 1.5 years (prior to 9.0 rollout)

| Flow                                  | July '11<br>Call Volume | % of Calls | AHT Reduction | Savings/Month |
|---------------------------------------|-------------------------|------------|---------------|---------------|
|                                       | (M)                     | %          | (s)           | (\$M)         |
| Start Interaction - Generic           | 19.32                   | 80%        | 28            | 5             |
| SMS Post Call Notification - Generic  | 3.62                    | 15%        | 82            | 2             |
| Change Rate Plan - Specific           | 3.62                    | 15%        | 39            | 1             |
| Review Billing Information - Specific | 4.11                    | 17%        | 9             | 0             |
| Service Outage - Specific             | 2.66                    | 11%        | 109           | 2             |
|                                       | TOTAL                   |            |               | 9             |

UX Flow Optimization AHT Reduction Training Cost Reduction

#### ROI

Projected Savings Current vs. Recommended

Customer (User) Loyalty (Satisfaction)

- ✓ SUS (User Satisfaction)
- ✓ NPS (Customer Loyalty)

Sales & Opportunities Increase

#### Based on a Task efficiency Study of 5 frequent end-to-end flows

- ✓ Call frequency for July '11 is a representative month
- ✓ Start Interaction improves 28s for 90% of calls
- ✓ SMS Post Call Notification improves 54s for 20% of calls
- √ \$.50 in call handling cost per minute

## **Insight Experience – HL Process**

#### **INPUT FROM INSIGHT**

- Moment Of Truth
- Root Cause
- Opportunity / Mode
- Channel Analysis
- Action Analysis

#### **INPUT FROM STATS**

- Inbound Calls by LOB
- Call Volumes, Abandonment
- Call Frequencies
- Repeat Calls
- Call Transfers, Hold Time
- AHT, FCR

#### INPUT FROM OBSERVATION

- Call Logs
- Flow Analysis, User Actions
- Screens/Systems
- Subjective Study
- Expert Usability Review
- Surveys

#### **Experience Solution**

- Abstract Prototype
- UX Design, Interaction Design, Usability
- Optimized Flows
- Concrete Solution (multi-channel)

#### **Compelling Business Case**

#### **ROI**

- Current vs. Recommended
- Efficiency Increase & AHT Reduction
- Other Impacted KPIs

## **Scope of Insight Experience**

#### **Customer/User Needs**

Insight Root Cause Analysis and Actions per Channel

Pre-emptive

Proactive

Self Management

Assisted

#### **INSIGHT EXPERIENCE**

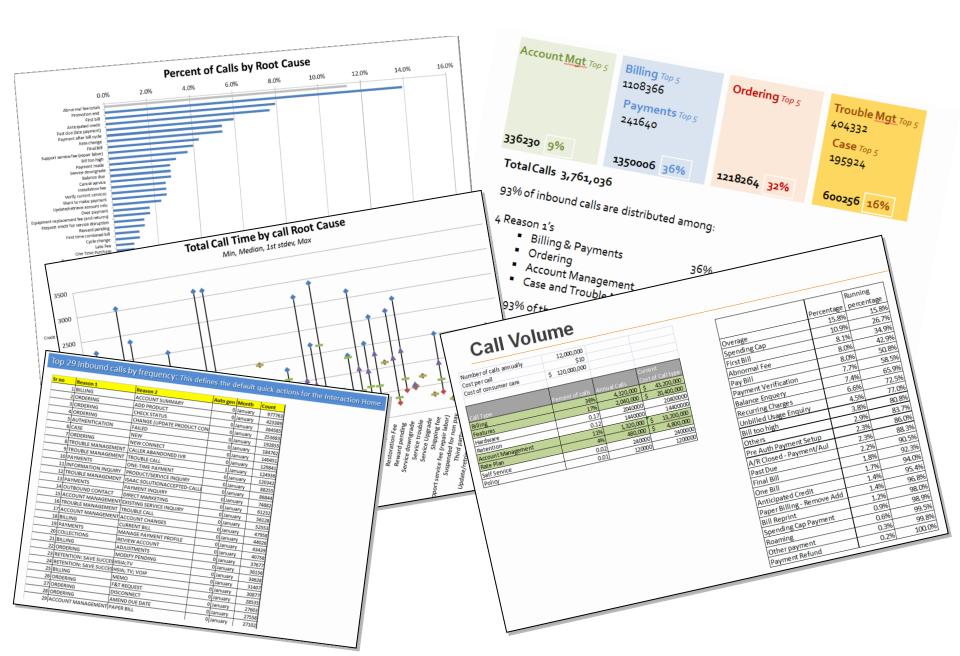
(Repository of Widget-Library based UX solutions)



# Insight Experience – Activities & Services

| Activity                          | Description  | Deliverable  | Comment                                     |
|-----------------------------------|--|--|---|
| Customer Engagement               | - Site Visit, Observation, Elicit D  | Pata/Information                                     |   |
| Subjective Study                  | SUS (User Satisfaction)  | SUS Score in %                                       | Industry Standard                           |
| Expert UX Review                  | Heuristic Evaluation, Standards  | UX Worksheet   | Best Practice                               |
| Surveys and Interviews            | Customer/User Needs Analysis   | UX Worksheet   | All levels                                  |
| Call Logs / Recordings            | Side-By-Side observations  | UX Worksheet   | Part of Insight Process                     |
| Analysis & Design                 |  |  |   |
| Analysis<br>Stats, KPIs, Metrics, | Inbound calls by reasons Root cause analysis Quality Reports                           | Actions in Context<br>UI Framework                   | UI Framework is driven by operational stats |
| Flow Analysis                     | Call Deflection, Shedding Flow Optimization  | Current vs.<br>Recommended                           | Business case                               |
| Abstract Prototype                | Technology-free optimal UX solution  | Abstract PT  | Where viable                                |
| UX Solution                       | CRM, Web Self Service, Mobile,<br>Tablet, Social Care                                  | Concrete design solution                             | Per Channel per scenario                    |
| Business Case                     |  |  |   |
| Business Case                     | Summary of impacted KPIs, efficiency increase, measurable TCO reduction, Estimated ROI | Executive Summary,<br>Insight Experience<br>Solution | UX component of the Insight business case   |

# Insight Experience – Statistical Analysis



# Insight Experience – Root Cause Analysis

|   | Average   | Time to    |         |        |       |       |
|---|-----------|------------|---------|--------|-------|-------|
|   | Time      | Understand |         |        | Total | Total |
| Root                                    | (minutes) | (minutes)  | % Calls | % Time | Calls | Time  |
| Promotion end                           | 12.2      | 3.7        | 13.9%   | 15.2%  | 13.9% | 15.2% |
| Abnormal fee                            | 10.5      | 3.3        | 11.4%   | 10.7%  | 25.3% | 25.9% |
| Support service fee (repair labor)      | 11.1      | 3.3        | 4.0%    | 3.9%   |       |       |
| Installation fee                        | 9.0       | 2.6        | 2.6%    | 2.0%   |       |       |
| Equipment replacement fee (and returns) | 14.0      | 5.1        | 1.7%    | 2.1%   |       |       |
| Late fee                                | 9.4       | 4.2        | 0.9%    | 0.7%   |       |       |
| Equipment fee                           | 7.6       | 2.9        | 0.9%    | 0.6%   |       |       |
| Activation fee                          | 12.8      | 2.9        | 0.6%    | 0.6%   |       |       |
| Restoration Fee                         | 18.3      | 2.3        | 0.3%    | 0.5%   |       |       |
| Shipping fee                            | 5.1       | 2.0        | 0.3%    | 0.1%   |       |       |
| Inside wire maintenance fee             | 2.3       | 1.0        | 0.3%    | 0.1%   |       |       |
| First bill                              | 15.0      | 3.8        | 8.0%    | 10.7%  | 33.2% | 36.6% |
| Anticipated credit                      | 12.4      | 3.9        | 7.7%    | 8.5%   | 40.9% | 45.1% |
| Past due (late payment)                 | 10.3      | 3.3        | 6.0%    | 5.5%   | 46.9% | 50.5% |
| Payment after bill cycle                | 9.2       | 3.2        | 5.4%    | 4.4%   | 52.3% | 55.0% |
| Rate change                             | 11.2      | 2.8        | 5.4%    | 5.4%   | 57.7% | 60.3% |
| Final Bill                              | 10.5      | 2.9        | 4.3%    | 4.0%   | 61.9% | 64.3% |
| Bill too high                           | 13.9      | 4.6        | 3.7%    | 4.6%   | 65.6% | 68.9% |
| Payment made                            | 4.9       | 2.3        | 3.1%    | 1.4%   | 68.8% | 70.3% |
| Service downgrade                       | 15.0      | 3.2        | 2.8%    | 3.8%   | 71.6% | 74.1% |
| Balance due                             | 5.1       | 1.7        | 2.8%    | 1.3%   | 74.4% | 75.4% |
| Cancel service                          | 14.4      | 4.6        | 2.8%    | 3.6%   | 77.3% | 79.0% |
| Verify current services                 | 9.1       | 2.8        | 2.6%    | 2.1%   | 79.8% | 81.1% |
| Want to make payment                    | 4.5       | 2.2        | 2.6%    | 1.0%   | 82.4% | 82.1% |
| Update/retrieve account Info            | 4.3       | 1.3        | 2.3%    | 0.9%   | 84.7% | 83.0% |
| Over payment                            | 7.2       | 2.7        | 1.7%    | 1.1%   | 86.4% | 84.1% |
| Request credit for service disruption   | 14.9      | 5.7        | 1.4%    | 1.9%   | 87.8% | 86.0% |
| Reward pending                          | 11.3      | 2.6        | 1.4%    | 1.4%   | 89.2% | 87.4% |
| First time combined bill                | 9.9       | 3.4        | 1.1%    | 1.0%   | 90.3% | 88.4% |

"Time to understand" is time authenticating, exploring screens, identifying the root cause

Approximately 10% of the calls are due to bill cycle timing

Thirteen root causes account for 79% of the calls

# **Insight Experience – Analysis**

## Moments of Truth Analysis

| Root          | Moments of truth                        | Dialog            | Actions                  | Transfer to    |
|---------------|---|-------------------|--------------------------|----------------|
|               | 1) Promotion aboout to end and          |                   | Downgrade services (24%) |                |
|               | customer does not want bill to          |                   | Add promotion (32%)      |                |
|               | increase                                |                   | Upgrade services (4%)    |                |
|               | 2) Promotion ended and customer has     |                   | Adjustment (36%)         |                |
|               | financial surprise on subsequent Bill   | Review Bills      | Payment (2%)             | Retention (8%) |
|               | 3) Promotion ends and Customer          | Review Services   | Create case (1%)         | Tier 1 (3%)    |
| Promotion end | recieves a second bill                  | Review Promotions | Change autopay (1%)      | Region (1%)    |
|               | 1) Customer has financial surprise on   |                   |                          |                |
|               | first bill - Activation fees, Prorates, |                   |                          |                |
|               | overage chagrges, one- time             |                   |                          |                |
|               | purchases                               |                   |                          |                |
|               | 2) Customer need explaination of        |                   |                          |                |
|               | charges on first bill                   |                   | Adjustment (93%)         |                |
|               | 3) Customer needs how to interpret      | Review Bills      | Downgrade (4%)           |                |
| First bill    | the first bill                          | Confirm Services  | Change autopay (3%)      | Retention (2%) |



|                        | Average | Average<br>Hold |          |               |       |       |
|------------------------|---------|-----------------|----------|---------------|-------|-------|
| David.                 | Time    | Time            | 0/ 0-11- | 0/ <b>T</b> i | Total | Total |
| Root                   | (min)   | (min)           | % Calls  | % Time        | Calls | Time  |
| Overage charges        | 11.6    | 2.5             | 15.5%    | 18.5%         | 15.5% | 18.5% |
| Spending cap exceeded  | 9.9     | 1.4             | 10.0%    | 10.2%         | 25.5% | 28.7% |
| Want to make payment   | 6.0     | 1.9             | 9.8%     | 6.1%          | 35.3% | 34.8% |
| Abnormal Fee           | 11.0    | 1.9             | 9.3%     | 10.5%         | 44.6% | 45.3% |
| Balance due            | 8.3     | 2.1             | 9.1%     | 7.8%          | 53.8% | 53.2% |
| First bill             | 11.2    | 1.7             | 9.0%     | 10.3%         | 62.7% | 63.5% |
| Payment made           | 8.7     | 1.7             | 6.2%     | 5.5%          | 68.9% | 69.0% |
| Unbilled usage inquiry | 9.5     | 1.7             | 4.0%     | 4.0%          | 72.9% | 73.0% |
| Long distance charge   | 11.9    | 1.9             | 3.7%     | 4.5%          | 76.6% | 77.5% |
| Anticipated credit     | 11.5    | 2.8             | 3.5%     | 4.2%          | 80.1% | 81.7% |



## Proactive Action Plan Action for each root, moment of truth, channel

|                     |  |                                  | Proactive  |  | Unassisted Channel   |  | Assisted Channel  |                    |
|---------------------|--|----------------------------------|--|--|--|--|---|--------------------|
| Root                | Moments of truth ( Drivers)                  | Proactive<br>Self Healing action | Pre-emptive<br>information<br>or education   | Intelligent IVR  | Inteligent Web   | Inteligent<br>On Device Agent  | Call Center   | Routing Skills     |
| Feature Explanation | Customer has overage looking for better plan | None                             | Identify habitual overage for financial risk/ likely to churn and recommend feature upgrade                  | Intelligent upsell feature add Intelligent upsell plan "Are you calling about how new features might reduce the overage charges"? I can add x feature and save you | Intelligent upsell plan "Are you calling about how new features might reduce | Intelligent upsell feature add Intelligent upsell plan "Are you calling about how new features might reduce the overage charges"? I can add x feature and save you | include in FCR Audit<br>Determine alignment<br>to plan<br>Display Plan<br>information | Pature explanation |
| Feature Explanation | Customer has added new feature               | None                             | When Customer adds feature<br>Send Education on feature<br>usage, Configuration, and<br>billing implications |  | Ton lave!  | of calls Finan<br>5.40% \$   | ncial impact  |                    |
|                     |  |                                  | Impac  | Quantified Proactive Calls Defl FCR incre AHT Red Overall  | 330  | 6.20% \$<br>3.80% \$<br>7.70% \$   |   |                    |

## Insight Experience – Business Model and Year 1 Benefit

How prevalent is each call type?

How effectively can Insight impact the calls?

Potential effectiveness through each channel

How many calls can we shed?

|                             |       | Call Counts |           |          | Insight | Functionalit   | у                   |   | Proac | tive Notificati                                       | ion/Edu | cation                  |                         |
|-----------------------------|-------|-------------|-----------|----------|---------|----------------|---------------------|---|-------|---|---------|-------------------------|-------------------------|
| Root Reason                 | # Obs | % Obs       | # Calls   | Insight? | POC?    | Detection<br>% | Detectable<br>Calls | Proactive Notification/ Education Effectiveness |       | Message to<br>Encourage<br>Self-service<br>Deflection | %       | Projected<br>Calls Shed | Projected<br>Calls Shed |
| Bill Plan Overage           | 1,075 | 12%         | 4,168,089 | Y        | Υ       | 100%           | 4,168,089           | 20%   | 61%   | Υ   | 12.1%   | 504,339                 | 1.4%                    |
| Abnormal Fee                | 1,052 | 11%         | 4,079,893 | Y        | Υ       | 100%           | 4,079,893           | 18%   | 52%   |   | 9.4%    | 381,878                 | 1.1%                    |
| Account Termination         | 896   | 10%         | 3,473,569 |          |         | 0%             | -                   | 0%  | 0%    |   | 0.0%    | -                       | 0.0%                    |
| Pay bill                    | 705   | 8%          | 2,733,109 | Y        | Υ       | 100%           | 2,733,109           | 10%   | 35%   |   | 3.5%    | 95,659                  | 0.3%                    |
| Payment Arrangement         | 699   | 8%          | 2,709,849 | Υ        |         | 100%           | 2,709,849           | 19%   | 50%   | Υ   | 9.5%    | 257,436                 | 0.7%                    |
| Proration/Charge in Advance | 620   | 7%          | 2,403,818 | Y        |         | 100%           | 2,403,818           | 18%   | 80%   |   | 14.4%   | 346,150                 | 1.0%                    |

# Insight Experience – System Usability Scale & Subjective Study

| Site   | C   | lien | t Ca     | re Rep | pres | enta     | tives | S             |      |     |             |          |      |      |      |          |  |  |  |   |   |   |  |               |  |                  |                      |                |                |                |                        |               |                    |  |                                       |               |                                       |                            |        |
|--|-----|------|----------|--------|------|----------|-------|---------------|------|-----|-------------|----------|------|------|------|----------|--|--|--|---|---|---|--|---------------|--|------------------|----------------------|----------------|----------------|----------------|------------------------|---------------|--------------------|--|---------------------------------------|---------------|---------------------------------------|----------------------------|--------|
| Partner Call Center  | 1   | 2    | 3        | 4      | 5 (  | 5 7      | 8     | 9             | 10   | 11  | 12          | 13       | 14 1 | 5 16 | 17 1 | 8 1      | 9 20   | 21   | 22 23  | 24  | 25 2  | 6 2                                       | 7 28   | 29            | 30                                       | 31 3             | 2 33                 | 34             | 35             | 36 3           | 37 38                  | 3 39          | 9 40               | 41   | 42                                    | 2 43          | 44                                    | 45                         | 46     |
| Demo   | gra | hic  | s Ta     | b con  | resp | onds     | witl  | h the         | se r | num | bers        | (1 -     | 30)  |      |      |          |  |  |  |   |   |   |  |               |  |                  |                      |                |                |                |                        |               |                    |  |                                       |               |                                       |                            |        |
| Software Usability Scale (SUS)   |     |      |          |        |      |          |       |               |      |     |             |          |      |      |      |          |  |  |  |   |   |   |  |               |  |                  |                      |                |                |                |                        |               |                    |  |                                       |               |                                       |                            |        |
| think that I would like to use this app. frequently  | 3   | 4    | 5        | 5      | 4    | 5 5      | 3     | 1             | 4    | 5   | 3           | 3        | 5 1  | 3    | 5    | 3 3      | 3 1  | 5  | 1 5  | 5   | 4   | 3 4                                       | 5  | 4             | 5  | 5                | 4 4                  | 5              | 4              | 4              | 2 2                    | 4             | 3                  | 5  | 3                                     | 3             | 2                                     | 4                          | 4      |
| found the system unnecessarily complex   | 2   | 1    | 1        | 1      | 1 :  | 2 4      | 2     | 3             | 2    | 1   | 1           | 1        | 5 1  | 3    | 5    | 3 2      | 2 4  | 1  | 4 4  | 4   | 2   | 3 1                                       | 2  | 1             | 4  | 3                | 2 3                  | 5              | 3              | 2              | 5 5                    | 3             | 3                  | 2  | 1                                     | 4             | 4                                     | 1                          | 1      |
| thought the system was easy to use   | 5   | 4    | 2        | 5      | 4 :  | 5 3      | 3     | 5             | 5    | 1   | 5           | 4        | 2 3  | 3    | 3    | 3 3      | 3 3  | 4  | 3 4  | 5   | 3   | 3 4                                       | 5  | 4             | 3  | 3                | 3 4                  | 5              | 3              | 4              | 2 1                    | 3             | 3                  | 4  | 4                                     | 3             | 2                                     | 5                          | 5      |
| think that I would need the support of a technical<br>person to be able to use this system | 2   | 3    | 1        | 1      | 1    | 1 1      | 2     | 3             | 1    | 1   | 1           | 1        | 2 1  | 4    | 3    | 1 2      | 2 1  | 1  | 1 1  | 2   | 3   | 3 2                                       | 3  | 2             | 3  | 3                | 2 1                  | 5              | 1              | 2              | 2 3                    | 3             | 5                  | 2  | 1                                     | 2             | 4                                     | 1                          | 1      |
| I found the various functions in this system were well<br>integrated                       | 3   | 4    | 3        | 4 :    | 3    | 4 4      | 4     | 4             | 5    | 5   | 4           | 5        | 2 1  | 3    | 2    | 4 3      | 3 5  | 4  | 3 2  | 4   | 4   | 3 3                                       | 3  | 3             | 3  | 2                | 3 4                  | 5              | 3              | 3              | 2 1                    | 3             | 5                  | 4  | 1                                     | 2             | 2                                     | 5                          | 3      |
| I thought there was too much inconsistency in this system                                  | 3   | 4    | 4        | 2      | 3    | 2 5      | 2     | 3             | 1    | 1   | 4           | 3        | 2 3  | 3    | 5    | 1 3      | 3 4  | 1  | 3 5  | 4   | 3   | 3 2                                       | 3  | 2             | 3  | 3                | 2 2                  | 1              | 5              | 3              | 5 2                    | 2             | 4                  | 2  | 4                                     | 3             | 4                                     | 2                          | 3      |
| I would imagine that most people would learn to use this system very quickly               | 5   | 3    | 4        | 5      | 5    | 5 2      | 4     | 2             | 5    | 5   | 5           | 4        | 4 3  | 4    | 1    | 4 3      | 3 5  | 4  | 3 3  | 4   | 4   | 3 4                                       | 5  | 4             | 3  | 1                | 2 3                  | 5              | 1              | 3              | 1 3                    | 3             | 3                  | 5  | 1                                     | 2             | 2                                     | 5                          | 4      |
| I found the system very cumbersome to use  | 3   | 2    | 3        | 1 :    | 2 :  | 2 5      | 2     | 4             | 1    | 1   | 4           | 1        | 4 5  | 4    | 4 :  | 3 4      | 4 1  | 2  | 4 4  | 4   | 2   | 3 3                                       | 3  | 3             | 3  | 2                | 2 2                  | 1              | 4              | 2              | 1 5                    | 2             | 3                  | 2  | 4                                     | 4             | 5                                     | 1                          | 2      |
| I felt very confident using the system   | 4   | 4    | 4        | 5      | 4    | 5 2      | 3     | 3             | 4    | 5   | 2           | 4        | 2 1  | 2    | 4    | 4 3      |  | _  | 3 3  |   | 5   |   | .   -  |               |  | -                | 3 4                  | _              |                |                | 2 1                    | 1 1           |                    |  | _                                     | - 1           |                                       | -                          | 4      |
|  |     |      |          |        |      |          |       |               |      |     |             |          |      |      |      |          | -  |  |  |   |   |   |  |               |  |                  |                      |                |                |                |                        |               |                    |  | _                                     |               |                                       |                            |        |
| I needed to learn a lot of things before I could get going with this system                | 2   | 3    | 2        | 3      | 2 :  | 3 2      | 2     | 5             | 1    | 1   | 1           | 2        | 4 3  | 1    | 3    | 2 4      | 4 al   | lease<br>bout (  | circle t   | he n  | umbei   | that                                      | refle  | ctsy          | ourin                                    | nme              | liato r              |                |                | 2              | 5 4                    | 5             | 4                  | 2  | 4                                     | 1             | 2                                     | 1                          | 2      |
|  | _   | _    |          |        | _    | <u> </u> |       |               |      | Ľ   | ·           | _        |      |      | 3 3  |          | al<br>ch   | lease<br>bout d<br>neck b  | circle to ach st   | he ni<br>etem   | umbei<br>ent. N                               | that<br>1ake                              | refle<br>sure y  | cts y<br>ou r | our in<br>espo                           | nme<br>nd to     | diate r              | espo<br>y sta  | onse t         | o ea           | 5 4<br>ch sta          | tem           | ent.               | 2<br>Don                                     | 4<br>'t thi                           | 1<br>ninkti   | 2<br>00 lo                            | 1<br>ng                    | 2      |
| with this system   | _   | _    |          |        | _    | <u> </u> |       |               |      | Ľ   | ·           | _        |      |      |      |          | al<br>ch   | lease<br>bout oneck b  | circle seach st  | he ni   | umber<br>ent. N                               | that<br>lake                              | refle<br>sure  | cts y         | our in<br>espo                           | nme<br>nd to     | diate r<br>even      | respo<br>y sta | onse t<br>teme | o ea           | 5 4<br>ch sta<br>you d | tem<br>lon't  | ent.               | Don<br>e an                                  | 4<br>'t thi<br>opin                   | nink to       | 2<br>00 lo<br>simp                    | 1<br>ing<br>ily            | 2      |
| with this system SUS Score   | 70  | _    | 68       |        | _    | 5 48     | 3 68  |               | 93   | 90  | 70          | 80       | 45 4 | 0 50 |      | 0 5      | all ch   | lease<br>bout oneck b  | circle to ach st   | he no   | umber<br>ent. M                               | that<br>lake                              | refle<br>sure y  | cts y         | our in<br>espo                           | nme<br>nd to     | diate r<br>even      | respo<br>y sta | onse t<br>teme | o ea           | 5 4<br>ch sta<br>you d | tem<br>lon'i  | 4<br>nent.<br>thav | Don<br>e an                                  | 4<br>opin                             | nink to       | 2<br>00 lo<br>simp                    | 1<br>ing<br>oly            | 2      |
| •  | 70  | 65   | 68<br>5% |        | _    | 5 48     | 3 68  | 3 43          | 93   | 90  | 70          | 80       | 45 4 | 0 50 | 38 7 | 0 5      |  |  |  |   |   |   |  |               |  |                  |                      | respo<br>y sta | onse t<br>teme | o ea<br>nt. If | 5 4<br>ch sta<br>you d | tem<br>lon'i  |                    | Don<br>e an                                  | ngly                                  | nink to       | 2<br>200 lo<br>simp                   | oly<br>                    | Stre   |
| with this system SUS Score  Current SUS  Target SUS  | 70  | 65   | 68<br>5% |        | _    | 5 48     | 3 68  | 3 43          | 93   | 90  | 70          | 80       | 45 4 | 0 50 | 38 7 | 0 5      | 1.   | l thir   | k that   | woul  | d like t                                      | o use                                     | this s   | /sten         | n free                                   |                  |                      | respo<br>y sta | onse t<br>teme | o ea           | 5 4<br>ch sta<br>you d | item<br>lon'i |                    | Stron  | ngly                                  | nink to       | 2<br>00 lo<br>simp                    | oly<br>                    | Str    |
| with this system  SUS Score  Current SUS  Target SUS  Notes:                               | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | 0 5      | 1.   | l thir   | nk that I  | woul  | d like t                                      | o use                                     | this s   | /sten         | n free                                   |                  |                      | respo          | onse t<br>teme | o ea           | 5 4<br>ch sta<br>you d | tem<br>lon'i  |                    | Stron  | ngly                                  |               | 2 coo lo<br>simp                      | oly<br>                    | Str    |
| with this system SUS Score  Current SUS  Target SUS  | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | 0 5      | 1.   | I thir<br>I four   | nd the s   | woul<br>ysten   | d like t                                      | o use                                     | this sy  | /sten         | n freq                                   | luent            | у                    |                |                |                |                        | stem<br>don't |                    | Stron  | ngly                                  | 2             | simp                                  | oly                        | Str    |
| with this system  SUS Score  Current SUS  Target SUS                                       | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | 0 5      | 1.   | I thir<br>I four   | nd the s   | woul<br>ysten   | d like t                                      | o use                                     | this sy  | /sten         | n freq                                   | luent            | у                    |                |                |                |                        | stem<br>don't |                    | Stron<br>Disagr                              | ngly<br>ree                           | 2             | 3                                     | oly 4                      | Str    |
| with this system  SUS Score  Current SUS  Target SUS  Notes:                               | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | ro 5     | 1.<br>2.<br>3.   | I thin<br>I foun<br>I thou<br>I think<br>systen                                | nd the sight the   | woul<br>ysten<br>syste  | d like t<br>unne<br>m was                     | o use<br>cessar<br>easy                   | this so  | /sten         | n freq<br>x                              | juent<br>ical p  | y                    | to he          | abla           |                |                        | stem          |                    | Stron<br>Disagr<br>1                         | ngly<br>ree<br>2                      | 2             | 3<br>3                                | 4                          | Str    |
| with this system SUS Score  Current SUS  Target SUS  Notes:                                | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | ro 5     | 1.<br>2.<br>3.<br>4.   | I thir<br>I foun<br>I thou<br>I think<br>system                                | ok that indithe some state in the some state in  | woul<br>ysten<br>syste<br>would                                       | d like to unner m was need function           | easy<br>the su                            | this syrily contourse  | //sten        | n freq<br>x<br>techn                     | luent<br>lical p | y                    | to he          | abla           |                |                        | stem<br>don't |                    | Stron<br>Disagr                              | 2 2 2                                 | 2             | 3<br>3<br>3                           | 4 4                        | Str    |
| with this system SUS Score  Current SUS  Target SUS  Notes:                                | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | 0 5 seen | 1.<br>2.<br>3.<br>4.<br>5.                                   | I thin<br>I found<br>I think<br>system<br>I found<br>thoug                     | nd the something the value of t | would<br>systen<br>vould  | d like to unner m was need to function too mi | o use<br>cessal<br>easy<br>easy<br>ons in | this sy  | /sten         | n freq<br>x<br>techn                     | uent<br>iical p  | y<br>erson<br>integr | tto be         | able           | to use         | this                   | stem<br>don't |                    | Stron, Disagri                               | 2 2 2 2 2                             | 2             | 3<br>3                                | 4 4                        | Str    |
| with this system SUS Score  Current SUS  Target SUS  Notes:                                | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | o 5      | 1.<br>2.<br>3.<br>4.<br>5.                                   | I thir<br>I found<br>I thou<br>I think<br>I system<br>I found<br>thoughwould   | nd the some that I in a second the value of the value of the region in a second the region in a second the sec | would<br>systen<br>syste<br>would<br>rious                            | d like to unner m was need to me              | easy<br>easy<br>ons in                    | this sylveon   | of a          | n freq<br>x<br>techn                     | uent<br>iical p  | y<br>erson<br>integr | tto be         | able           | to use         | this                   | 5 Stem        |                    | Strong 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | eree 2 2 2 2 2 2 2                    | 2             | 3 3 3 3 3 3                           | 4 4 4                      | Str    |
| with this system SUS Score  Current SUS  Target SUS  Notes:                                | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | 0 5 een  | 1. 2. 3. 4. 5.   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.      | I thir<br>I found<br>I think<br>I think<br>I found<br>thought                  | ok that I and the state I and the variation of the variation of the variation of the system of the s | would<br>system<br>vould<br>rious<br>e was<br>e that                  | m was<br>need of<br>function<br>most          | easy easy nns in                          | this syllegister to use  | of a          | n freq<br>x<br>techn                     | uent<br>iical p  | y<br>erson<br>integr | tto be         | able           | to use         | this                   | stem<br>Jon'i |                    | Stron, Disagri  1 1 1 1 1 1                  | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 2 2           | 3<br>3<br>3<br>3<br>3                 | 4 4 4 4                    | Str. A |
| with this system SUS Score  Current SUS  Target SUS  Notes:                                | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | 0 5 seen | 1. 2. 3. 4. 5. 1 f. 6. 1 1 77. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | I thin<br>I thou<br>I think<br>I think<br>ssystem<br>though<br>though<br>would | and the state of t | would<br>system<br>syste<br>would<br>rious<br>e was<br>e that<br>em v | d like to unner m was need function most      | easy easy ns in                           | this sylventrily construction used in property that say the consistency of the construction of the constru | of a sten     | n freq<br>x<br>techn<br>were<br>y in the | uentical pewel   | y<br>erson<br>integr | tto be         | able           | to use         | this                   | stem<br>don'n | 1                  | Stron, Disagri                               | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 2 2 3 3 3 3 3 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 4 4 4 4 4 4                | Stro A |
| with this system  SUS Score  Current SUS  Target SUS  Notes:                               | 70  | 65   | 68<br>5% | 90 7   | 78 8 | 10 a     | 3 68  | 3 43<br>e 80% | 93   | 90  | 70<br>4 bel | 80<br>ow | 45 4 | 0 50 | 38 7 | 0 5 seen | 1. 2. 3. 4. 5. 1 f. 6. 1 1 77. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | I thin<br>I thou<br>I think<br>I think<br>ssystem<br>though<br>though<br>would | ok that I and the state I and the variation of the variation of the variation of the system of the s | would<br>system<br>syste<br>would<br>rious<br>e was<br>e that<br>em v | d like to unner m was need function most      | easy easy ns in                           | this sylventrily construction used in property that say the consistency of the construction of the constru | of a sten     | n freq<br>x<br>techn<br>were<br>y in the | uentical pewel   | y<br>erson<br>integr | tto be         | able           | to use         | this                   | stem<br>don't |                    | Strong I                                     | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 2 2 2 3 3 3 3 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 4<br>4<br>4<br>4<br>4<br>4 | Str. A |

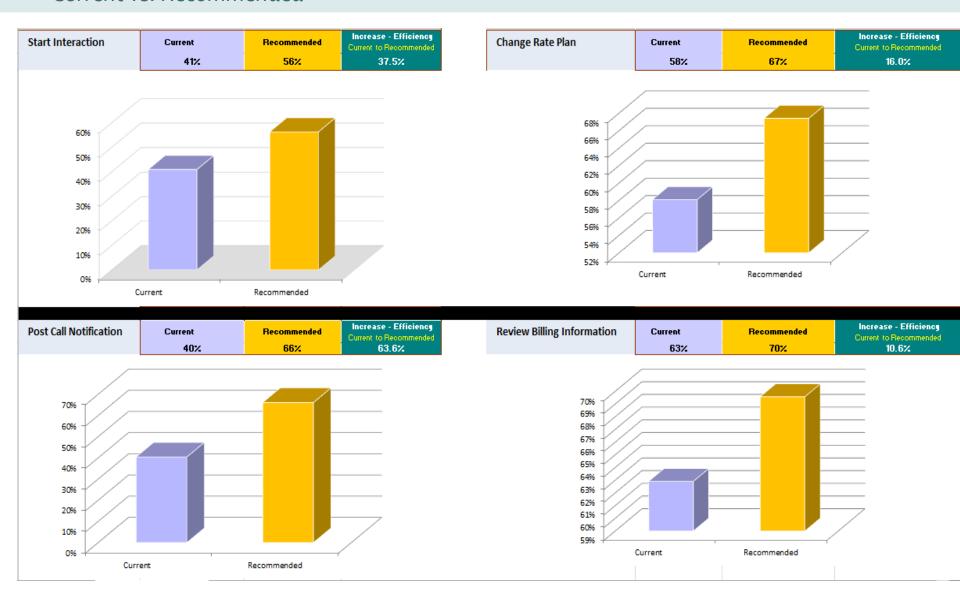
# **Insight Experience – Task Efficiency Metrics**

Current vs. Recommended

| Key (Task Efficiency                         |  |     | Essential (Cont  |       |       |                  |   | 1  |        |       |
|--|--|-----|--|-------|-------|------------------|---|--|--------|-------|
| Metrics)                                     |  |     | Assumption: Essential flow has '80% action   | ons a | s the | recommended flow |   | <del>                                     </del> |        |       |
| Frequent Task:                               | Essential (Control)  | τv  | Currrent.  | Scre  | eens  | τν               | Recommended CIM   | Scr  | eens   | τv    |
| Our flow analysis starts<br>with these steps | System posts the Verify Caller screen  |     | System posts the Verify Caller screen  | 1     | 1     |                  | System posts the Verify Caller Popup  | 1  | 1      |       |
|  | 1. Agent verifies caller   | 0.5 | Agents verifies customer and selects the Verify radio button   |       |       | 0.5              | Agents verifies customer and selects the Verify radio button  |  |        | 0.5   |
| .  | 2. Agent clicks Submit button  | 0.5 | 2. Agent clicks Submit button  |       |       | 0.5              | Agent clicks Submit button     (Assumption: radio button required by business)  |  |        | 0.5   |
|  | System fronts previous bill image<br>System auto-logs in notes (event<br>driven) |     | System posts the Interaction Home screen. Customer begins talking about a billing issue. Customer switched two phones to "Go Phone" accounts and after paying, was told that the balance would be zero, but it's actually \$14.37. | 1     | 1     |                  | System fronts the Main CIM Interaction Home screen  | 1  | 1      |       |
| ]  |  |     | 3. Agent opens CSM <i>(in context of customer)</i>   |       |       | 0.0              | 3. Agent clicks Bills & Charges main button <i>(research)</i>   |  |        | 0.0   |
|  |  |     | BAN Overview (Agreement tab open by default) with Price Plan and additional services (SOC) is displayed  | 1     | 1     |                  | The Bill & Charges main screen opens with financial overview<br>and the previous billing document open as the default tab since<br>queries pertaining to the most previous bill is the probable case<br>of use. For another billing period, agents can select from the<br>date/period filter above the billing document |  | 1      |       |
|  |  |     | 4. Agent opens Financial Summary tab /research/  | 1     | 1     | 0.5              |   |  |        |       |
| ]  |  |     | 5. Agent switches to CRM - CIM Interaction Home  | 1     |       | 0.0              |   | '  | 1 - 1  | , [ ] |
|  |  |     | 6. Agent enters Additional Notes   |       |       | 0.5              | 4. Agent enters Iteraction Notes (toolbox)  |  |        | 0.5   |
|  |  |     | 7. Agent clicks on Reason 1 dropdown   |       |       | 0.5              |   | $\vdash$   |        | ,     |
|  |  |     | 8. Agent selects Bill (from dropdown)  |       |       | 1.0              |   | $\vdash$   | $\Box$ |       |
|  |  |     | 9. Agent clicks on Reason 2 dropdown   |       |       | 0.5              |   |  | 1 - 1  | , [   |
|  |  |     | 10. Agent selects Calling Plans Billing (from dropdown)  |       |       | 1.0              |   |  | 1 - 1  | , [   |
| ]  |  |     | 11. Agent selects Calling Plan Charges (from Reason 3 list box)  |       |       | 1.0              |   |  |        |       |
|  | AT This point, agent has decided to submit an                                    |     | AT This point, agent continues interaction   |       |       |                  | AT This point, agent continues interaction  |  |        |       |
| Total User Steps                             | 3  |     | 11   |       |       |                  | 4   |  |        |       |
| Essential                                    |  |     | 27.3%  |       |       |                  | 75.0%   |  |        |       |
| Efficiency (EE)                              |  |     |  |       |       |                  |   |  |        |       |
| Task Visibility (TV)                         |  |     | 54.5%  |       |       | 6.0              | 37.5%   |  |        | 1.5   |
|  |  |     | Avg. per step  |       |       |                  | Avg. per step   |  |        |       |
| Repeat. Screens                              |  |     | 5  |       |       |                  | 3   |  |        |       |
| Unique Screens                               |  |     | 2  |       |       |                  | 3   |  |        |       |
| Total Systems Overall Efficiency             |  |     | 40.9%  |       |       |                  | 56.3%   |  |        |       |
| Efficiency                                   |  |     | 40.3%  |       |       |                  | 37.5%   |  |        |       |
| Total Time                                   |  |     |  |       |       |                  | 31.3%   |  |        |       |
| Total Time                                   |  |     |  |       |       |                  |   |  |        |       |

# **Insight Experience – Task Efficiency Metrics**

Current vs. Recommended



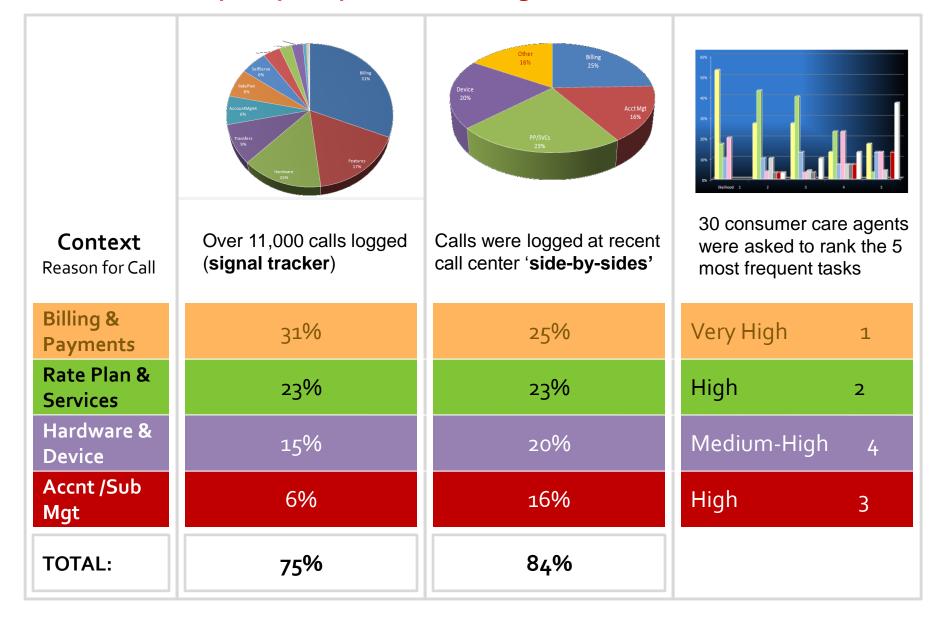
## Insight Experience – Task Efficiency Improvement Example

For the task: Post Call Notification: Recommended is **63.6% more efficient** than existing

| EXAMPLE                       | Existing | Recommended    |
|-------------------------------|----------|----------------|
| Steps (User Actions)          | 39       | 14             |
| Screens<br>Systems            | 18<br>4  | 9<br>1         |
| Task Visibility (TV per step) | 52.6%    | 53.6%          |
| Task Efficiency (EE)          | 28.2%    | 78.6%          |
| Overall Efficiency            | 40.4%    | 66.1%          |
| AHT Improvement               |          | 32% (82 secs.) |

## From Statistics to UI Framework (Agent Facing)

## Inbound Calls by frequency and accounting for 75% - 85% of calls



### From Statistics to UI Framework – Actions in Context



#### From Statistics to UI Framework – Actions in Context

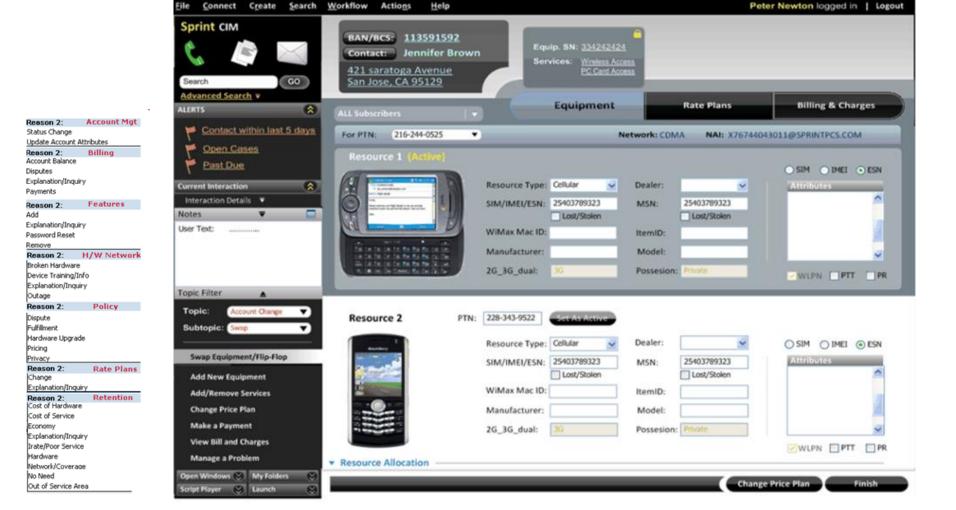
### driven by frequency/probable case of use

Account / Subscriber Mgt

Hardware & Device

Rate Plan & Services

Bill, Charges & Usage



#### From Statistics to UI Framework – Actions in Context

### driven by frequency/probable case of use

Account / Subscriber Mgt

Hardware & Device

Rate Plan & Services

Bill, Charges & Usage



