

Making the Case for TEM Before & After Implementation: 8 Challenges Overcome

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• 36,000 Telco Circuits

15,000 Unique End Points

• 8,000 Wireless Devices

• 1,200 Moves, Adds, Changes, Discos Monthly

• 1,100 Invoices Monthly

• 300 Telecom Vendors

100 Legal Entities

• 70 Countries

• 37 Currencies

• 30 Languages

Our TEM Implementation

- Developed electronic feeds to accounting system
 - Invoice approvals
 - Payment status
 - FX rate tables
 - Inventory database
- Obtained and incorporated telco electronic billing
 - EDI
 - Portals
 - Soft billing
- TEM system customization
 - TEM system to handle approval and reporting in three currencies: Invoice, Branch Office and Common
 - Process and report on monthly, quarterly, annual, and bi-monthly invoices
 - Invoice handling and tax allocation
 - Invoice scanning, storage and e-mail distribution system
 - Invoice approval chains

What is Telecom Expense Management?

- TEM is a methodology to manage expenses, not just a vendor or application
- It's a combination of technology, standard processes, business rules and telecom expertise
- A true TEM system will provide your organization the ability to perform:
 - Inventory Management
 - Invoice Processing
 - Order Management
 - Contract Management
 - Network Management
 - Financial Management
 - Security Management
 - Reporting and Business Intelligence

Why Telecom Expense Management?

You can apply some practices on your own

- Create inventory database and reporting tools
- Perform regular invoice audits
- Manage contract terms to build leverage with suppliers
- Centralize network/telecom management decisions
- Standardize the procurement process and cost allocation
- Perform price benchmark exercises and be willing to change suppliers
- Raise fiscal awareness across IT groups

Having a good TEM vendor really helps

- Lightens the load to allow you to perform value-add services
- Quickly obtain proven tools and have access to subject-matter expertise
- Provides reporting capabilities to run the business better
- Standardizes operational practices and centralizes data access

But don't always believe the hype....

- Savings are sometimes calculated as \$1 x 36 months
- Implementing a TEM vendor is not a quick and simple process

Who Manages Your Telecom Expenses?

- Many folks performing telecom oversight are not trained properly
- They know what they know but don't know what they don't know
- Common mistakes
 - The wrong expertise
 - Voice folks making data decisions, Data folks making voice decisions
 - Finance folks making tech decisions, Tech folks making finance decisions
 - Sacrifice OPEX over CAPEX
 - Lack financial understanding or have basic accounting principles
 - Have limited resources to do the job right
 - They might trust what the telco account reps tell them
 - Have limited ability to deal with the complex contract legal-ese
 - They might still track stuff on paper, rather than use databases or Excel and exert manual efforts rather than manipulate available electronic data
 - They might not know market rates and accept percentage discounts over price
 - Because it's time consuming and difficult, they might enter into longer term rather than shorter term contracts

The Benefits of TEM

- Centralized telecom process and data for better reporting, analysis and business intelligence and universal business rules
- Electronic and a single invoice format for all telecom suppliers globally
- Improved financial, inventory and usage reporting tools for budgeting, forecasting, analytics & accrual processes
- Automatic verification of static invoice line items, GL coding, cost center allocation, surcharges, domestic and international taxes
- Process invoices on time, faster approval, reduced late fees and with less effort
- Accurate telecom inventory with better change control and historical data
- Track usage and mobile devices
- Allows just-in-time provisioning
- Dispute all incorrect charges (favorable & unfavorable)
- Allocate charges back to the correct business units
- Negotiate better contracts and rates
- Measure service level agreements
- Optimize network resources
- Change technology platforms easily
- Create telecom budgets and track expense

It's a Tough Road Ahead

- Ask yourself if you have the influence, resources, time and/or empowerment to get the job done
- Will you be able to obtain management buy in and then enforce the processes to ensure the integrity of the implemented solution?
 - You will need to unite various groups
 - Accounting
 - Finance
 - Operational
 - IT groups
 - You will need to overcome many roadblocks
 - Cultural
 - Technical
 - Operational
 - Geographical
 - Expect 300 to 500 cross-department man hours to implement
 - Can you manage the implementation and do your day job as well?!

The Eight Challenges

- #1: Preparation
- #2: Vendor Evaluation
- #3: Obtaining Buy In
- #4: System Design
- **#5: Implementation**
- #6: Operational Support
- #7: Business Intelligence
- #8: Justification

#1: Preparation

- Obtain a full understanding of the operational workflow from every group that is involved
 - Ordering process to payment validation
- Understand what will change and how it will impact stakeholders and the existing processes
 - Figure out how it will benefit each group
- Obtain conceptual buy in from management and support groups
- Decide what services your organization will require
- Perform a scope-of-work document to meet your needs
- Short list vendors based on essential requirements

#1: Preparation (continued)

- Gather essential information now
 - Contract and circuit inventory database
 - How services are ordered and who can order them
 - Who is responsible for each service, in each location
 - Who are the telco vendors and associated billing info
 - Name and Mailing Addresses
 - Remit Addresses
 - Account Numbers
 - Bill-To Numbers
 - Net Payment Terms
 - Legal Entities
 - Billing Cycles
 - Invoice Currency
 - Who approves the invoices now and who will approve them going forward and dollar value limits?
 - How will you get the invoices to the TEM vendor?

#1: Preparation (continued)

Deciding on what services your organization requires

- Invoice Management
- Inventory Management
- Order Management
- Audit Services
- Sourcing/Negotiation
- Price Benchmarking
- Reporting/Metrics
- Contract Management

Or

Total Telecom Expense Management

#2: Vendor Evaluation

- Expertise and system capabilities of the relevant services you plan to use
- Vendor limitations (reach, technology platform)
- True cost of the service
- Time to savings and/or return on investment
- Customer service and support
- Speed and ability to grow with your needs
- Change management control
- Viability of the company to stay in business
- References check them!
- Select a vendor

#3: Obtaining Buy In

- You'll need to gain buy in from management and the various support groups
 - Not everyone involved will accept it with open arms
 - Can you communicate the goal effectively?
 - Will the various groups have the time, the resources and the will power to do it?
- You'll need to know...
 - Full scope of work
 - Impact to business units and processes
 - The true cost (money, time, resources)
 - Return on investment or time to savings

#3: Obtaining Buy In (continued)

- Try to align with your organization's current mission
 - Headcount reductions
 - OPEX reductions
 - Better budgeting
 - Reporting/metrics
 - Transparency
- Sell the idea around how it will overcome existing obstacles, improve workflow and create transparency
 - Tailor your plan to meet your audience's needs
 - Identify any additional operational benefits or cost savings
 - Be prepared to deal with:
 - Job security, old-school thinking, past failures, nay sayers, dotted-line responsibilities, hurt egos, turf wars, misunderstandings and who will own it in the end
- Decide who will actually own it in the end

#3: Obtaining Buy In (continued)

Set SMART Goals

- Specific:
 - What do we want to accomplish?
 - Who will be involved?
 - What's the purpose and/or benefits?

– Measurable:

- What will be done? When will it be done?
- How will you know when it is accomplished?

– Attainable:

Can you achieve the goals that you set?

- Realistic:

- Are they realistic?
- Does each goal represent substantial progress?

– Timely:

Set specific time frames to meet operational needs



- Technical
- Operational
- Accounting
- Process Integration

#4: System Design Technical

- Business Process Outsource
 - Third-party software and resources to perform services
- Licensed Application
 - Own and operate using vendor software tools
- Managed Application
 - Access to an application and service resources
- Hybrid
 - A combination of services and application use
- The Data
 - Will you actually own and have full access to it? Download it
 - Is it summary or detailed? Is it historical?
- Web Application
 - Dedicated or shared hardware?
 - Is it really Web-based or is it Citrix?
 - Can you access it from any location?

#4: System Design Operational

- How well do you know how your company works?
 - There are many differences
 - Legal
 - Cultural
 - Regional
 - Language
 - Document the different operational processes and existing business rules
 - Account for the operational differences and then set a universal set of business rules that work for everyone, everywhere with contingencies

#4: System Design Accounting

- There is a lot to figure out and it all matters:
 - Invoice handling and countryspecific rules
 - Cost and profit centers
 - General ledger and country codes
 - Expense categories
 - Taxes & surcharges: VAT,
 GST, state, federal, local,
 withholding
 - FX calculations rules
 - Accounting and benefit periods

- Accruals and reporting
- Credits: Additive invoices, credits and refund checks
- Remit addresses
- Vendor roll ups
- Approval chains
- Auto-pay
- Wire transfers
- Branch/location structure
- Company best practices
- SOX compliance

#4: System Design Process Integration

- Tie the systems together
 - Automatic EDI feeds or manual flat files to accounting system
 - Receipt of file confirmations and exchange rates
 - Programming resources to implement
 - Exchange of payment status
- You will need to handle errors
 - Rejected files
 - Exchange rate errors
 - Duplicate invoices
- Decide on how you will pay invoices
 - Directly or will your TEM vendor do it for you?
 - One monthly invoice versus hundreds or thousands

#5: Implementation

- How will you roll it out?
 - Vendor
 - Service
 - Region
 - Language
- Invoices might need to be processed in tandem between old and new systems
- Changing mailing addresses
- It can take 2 to 3 billing cycles for the dust to settle
- Build inventory from invoices; you're already paying them
- Don't let the perfect be the enemy of the good, but it has to work correctly!

#5: Implementation (continued)

Billing Issues

- Physical or logical audit
- Contingency or pay for resource
- Do your database records match the invoices?
- Bilateral and associated circuits
- What is already being disputed?
- Do you have access to the contracts?
- How do you place, obtain and track refunds?
- Are you meeting contractual commitments?
- Be careful! Don't stir the telco revenue assurance hornet's nest and mess up what's not broken

#6: Operational Maintenance

- How will you manage it going forward?
 - Monitor the day-to-day operations
 - Change management and enhancements controls
 - Functionality and processes to meet changing business needs
 - Customer service and support
 - Moves, Adds, Changes, Disconnects
 - Price changes
 - Handle bulk changes
 - Financial structure adjustments
 - Contract obligations
 - Track when services are up for renewal
 - Verify you are getting invoices
 - Organizational and personnel changes

#7: Business Intelligence

- Are you applying all TEM disciplines to obtain the highest return?
- Do you have a clean inventory of all services?
- Do you have a universal repeatable process?
- Do you have a process to allocate GL and cost center correctly?
- Do you have financial reporting capabilities? Is it correct?
- Do you perform regular contractual reviews?
- Have you been able to optimize network resources to reduce costs?
- Did you find opportunities to grow your network or bandwidth?
- Did you save money?
 - Credits/refunds
 - Eliminate late fees
 - Reduce headcount or FTEs
 - Achieved price reductions

#7: Business Intelligence (continued)

- Can you perform better budgeting? Accruals?
- Did you learn about where and how the money is spent?
 - Which vendors
 - Which products or services
 - Which business units
- Are you making more timely decisions?
- Are you better positioned with your suppliers?
- Are you processing your invoices quicker? With less errors and effort?
- Can you identify and reconcile billing mistakes?
 - Favorable and unfavorable
 - Success rate
- Do you have a process to allocate GL and cost center correctly?
- Do you have financial reporting capabilities? Is it correct?
- Do you perform regular contractual reviews?



- The following issues will come up at some point, and the best defense is a good offense
 - It's Groundhog Day!! People move around or the business changes and upper management has developed amnesia....
 - What is TEM thing? It costs how much? Show me the savings?
 - Can you explain how this helps us? Why are we paying someone to process bills?
 - Did we make the right choice? "My friend uses another system, maybe we should switch...."
 - "I got an e-mail from another company that can reduce costs by an additional 30%"
 - Its now your "system"
 - Business intelligence and solid reporting provides the proof
 - Keep an eye on the industry and know about other TEM systems
 - This keeps you and your vendor honest as well as your business moving along



Questions?