



A Unified Financial Tool to Streamline Budgeting for Operators

Introduction

With the introduction of 5G into the market, everyone seems ready to adopt this bandwidth. However, the transition from 4G is not an easy task, and it involves a lot of preparation. When 5G is designed to reach a speed of 10 gigabits per second – up to 100 times faster than 4G, significant design and engineering changes are required for that transformation. 5G networks are designed to deliver the level of performance needed for an increasingly connected society. To support, encourage, manage, and implement all these, there must be a budgeting system in place that takes care of all financial plans and activities. Tier-1 operators typically have nationwide deployments and divide their business operators into territories, markets, and submarkets. Therefore, a unified enterprise-level application to manage the budgets is needed to serve nationwide by bringing all territories, markets, and operating modules under one roof.

Why Use a Finance Budgeting Tool?

During the early days when 5G was still at the planning and discussion stage, the business users from different markets and territories owned their own tools to manage all of their financial activities without much interaction amongst them. It led to lots of disputes around consolidating data and maintaining its integrity. It was not an easy task to have non-redundant data when you have all the data from several other markets without having the ability to consume it within a unified tool. Most importantly, when you have to communicate to other markets or ask for approval from other business leaders in a middle of a workflow, a unified and integrated system is essential.

This unified finance budgeting tool resolved the previously mentioned issues as it was built to serve nationwide, working as the only integrated enterprise application within the whole network.

It has been developed primarily for capital revenue budget, forecasting, budget load, financial reporting, and budget dispatch workflow to interact with an ERP system.

When it's needed to work on a budgeting system, a few typical areas will always need special attention. Within the system, the total Capital and its Revenue have to be non-redundant and require flawless data. This Capital revenue budget and budgeting data need to be loaded before a financial year starts. It is easy to navigate this tool to create a custom budget structure per the market and territory organization.

Once the data is loaded, to get it funded and allocate the funds, business users can raise any number of workflows, which can be for a project start-up, fund transfer, or setting up a completely new location. Based on the request type and workflow completion status, actual funds can be transmitted and used accordingly.

The most crucial aspect of this application is the ability to forecast the capital revenue and budget for an upcoming fiscal year before the year starts. That forecasting module is a backbone for all the fund allocation, and it has layers of data orientation to represent forecasted budgets at a granular level and even at a higher and abstract level by grouping likely typed markets and submarkets data for a region. This activity is achieved through extensive coding and business logic implementation within the technology stack specified. Based on every month's and project-specific data, the code logic and algorithm read the data from the source system and group the likely typed. Then based on the level of data coupling, it rolls over or rolls down the other implemented levels. That gives total flexibility to define the data at any level knowing that the algorithm will ensure its roll over and roll down into the other levels and modules.

Reporting and data capture within a custom template is a must-have when you need to represent your budget and probably want to explain to a broader audience how you have forecasted your next budget years or in which area you have funded more than other surroundings at a given area code or location. Our application has the capabilities to come up with portfolios that are not bound to any static data. The report templates can be customized and dynamically generates data when executed.

Mobility is another astounding feature that comes with this application. An authorized and authenticated mobile business user can easily get hold of their workflow to track or approve it. Custom notification settings allow them to get notified based on their personal settings or even to set delegation as needed, which reduces the wait time for any workflow movement.

Integration with ERP Systems

Interacting with an ERP system is another flavor of our financial budgeting system. It has been designed in a way that ensures data integrity, daily data dispatch, and data feeding to maintain a schedule and be operative within the typical business hours. This data feed is necessary for the already dispatched requests to the ERP system and requires status updates to be in sync and raise or create additional workflows.

On completion of the last steps in workflow within the tool, the side awaits to read its concluding status coming from the ERP system, which has been ingested daily. Similarly, when a workflow shows as dispatched basically that data has been introduced to the ERP system to start its own workflow.

Advantages to Telco Operators

- Provides complete insights on organization-wide budget approvals, not just specific territory or business unit
- A unified tool as opposed to using multiple tools that operate in a silo
- Track budget approval across multiple org levels
- Shift gears from commercial tools with high licensing fees to the home-brewed system serving operator's specific requirements
- Integrates with legacy financial spending, purchase orders, and supply chain systems that actually perform the financial transactions.
- Generate reports that serve across the organization hierarchy, right from CEO, and CFO to all the way to accounting personnel
- Understand patterns of budget allocation and spending to forecast upcoming expenditures
- Increase finance and inter-department efficiency through streamlined workflows for requests and approvals.
- Track use of allocated funds; reassign excess funds to projects that require additional funding
- Mobility support to perform operations through mobile apps
- Understand cash-in-hand and allocate funds optimally to the projects that need the most
- Get a glimpse of the flow of financial transactions: budget allocation -> purchase order -> supply chain

Gearing up for 5G

Given 5G has been designed to serve beyond end consumers for voice and data services, its scale is going to be magnitude times higher than that of 4G. With the advent of Edge Computing, Industrial IoT, Private Mobile Networks, and Small Cells, operators are looking at a very different business opportunity and the need to have systems and processes in place to streamline the workflows across business units, hierarchies, and for managing customers. It is critical for operators to streamline their spending and ensure their funds are well allocated, spent, and optimally used. There is a need to adapt to the new scale of supply chain and procurements, and having well-tuned digital transformation systems to meet this business transition is vital for success. It is for this purpose that a unified finance and budget management system would be needed by operators.

Brillio's Expertise

Brillio has stellar credentials in developing digital transformation software solutions for tier-1 carriers, enabling them with efficient operations, CAPEX & OPEX savings, and a unified country-wide strategy for network planning, construction, management, and quality assurance. Backed by institutional investors such as Bain Capital, Brillio has made deep inroads with top-notch Telcos in the US, providing strategic digital transformation solutions. The company has a comprehensive portfolio of solutions to help operators with their supply chain, procurements, budgeting, regulatory compliances, day-1 operations, customer support, and engineering operations management.

ABOUT BRILLIO

At Brillio, our customers are at the heart of everything we do. We were founded on the philosophy that to be great at something, you need to be unreasonably focused. That's why we are relentless about delivering the technology-enabled solutions our customers need to thrive in today's digital economy. Simply put, we help our customers accelerate what matters to their business by leveraging our expertise in agile engineering to bring human-centric products to market at warp speed. Born in the digital age, we embrace the four superpowers of technology, enabling our customers to not only improve their current performance but to rethink their business in entirely new ways. Headquartered in Silicon Valley, Brillio has exceptional employees worldwide and is trusted by hundreds of Fortune 2000 organizations across the globe.



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