

BRINGING ESTIMATION PREDICTABILITY IN MANAGED SERVICES SUPPORT ENGAGEMENTS

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AGENDA

- Introduction
- Model Description
- Model Effectiveness and Benefits
- Case study
- Questions and Answers





WHO ARE WE?

Established in 1968 – ~50 Years in IT Services

Operating in 49 countries with 132 Nationalities

World's leading brand in IT Services
- Brand Finance

CMMI Level 5
Organization

Recognized as a
Global top Employer
- Top Employers
Institute

Global Network
Delivery Model
(GNDM™)



WHAT IS A MANAGED SERVICES SUPPORT ENGAGEMENT?

- Ongoing responsibility for L1/L2/L3 application support
- Outcome based approach for pricing focused on Service Level Agreement(SLA)
- 24-hour monitoring, managing and/or problem resolution for issue prevention minimizing disruption
- Handle incidents/ Service Requests/ Change Requests and other large application support issues within stipulated SLA
- Deliver greater cost savings amongst 5 top drivers for Managed Services (MS) adoption





BUT WHAT ARE THE ESTIMATION CHALLENGES??

Cause

Effect

Lack of standard estimation techniques in MS L1/L2/L3 Support area

Concept of <u>size</u> estimation ambiguous

Most information unavailable at proposal stage

No defined process for actual data collection

Erroneous project planning, increasing backlog, SLA miss, staff burnout

No established measurement mechanism for productivity or other metrics

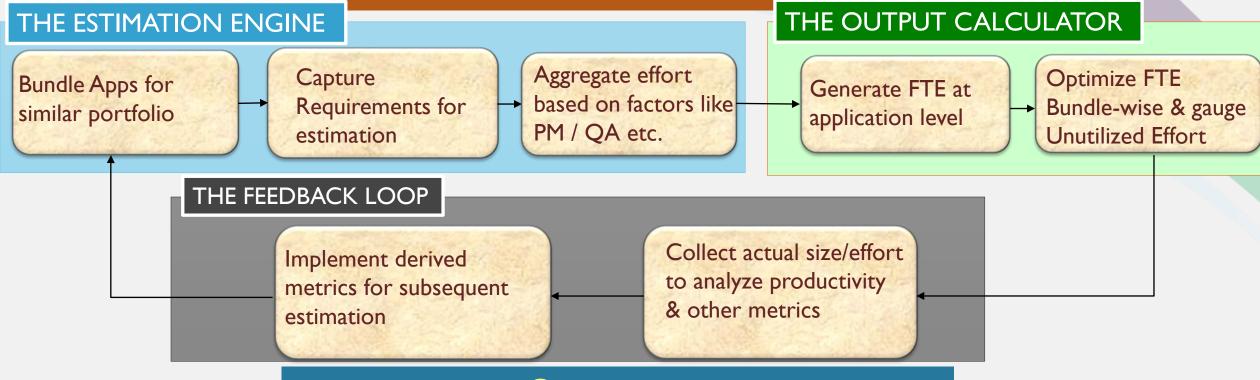
Challenge in accurate cost projection & incorrect budget allocation

Challenge in refining estimation model & productivity

SO WE THOUGHT OF DOING SOMETHING – WE CREATED A MODEL

Pre - Activity

Analyze application characteristics - stability, complexity criticality and history to arrive at Incident/Service Request volume



Outcomes

Estimated size in units of Production Support Points

Bundle wise Optimized Effort and FTEs

FTEs for transition phase

Capacity confirmation



THIS WAS NO JET RIDE.. RATHER A STEADY CRUISE

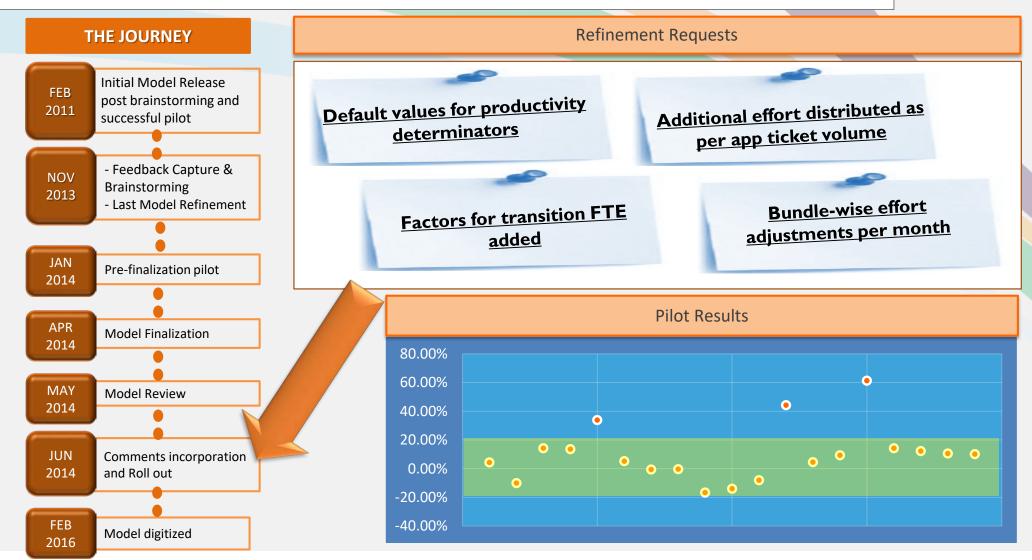
With Inputs from

Support Domain Experts

Estimation Center of Excellence

> Industry Trends

> Delivery Projects





NOW THE MILLION DOLLAR QUESTION .. HOW IS IT DONE?



Create App Bundles



Step 2



Enter App details, group it under bundle and provide total ticket history



Provide SLA impact if applicable



Step 6

such as PM at

applicable



Step 5



Enter working hours and shift details

Step 4

Access productivity impacting factors

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application/Bundle level &

transition parameters, if

Provide impact of other factors

CAPABILITY
COUNTS 2017
CMMIINSTITUTE.COM/CONFERENCES

AND WHAT DO YOU GET?

Output A

App wise summary of Size, Effort and FTE



Output B

Bundle wise optimized Effort and FTE view



Output D

View of unutilized effort for effective planning



Output C

Final Summary including impact of Transition State





HOLD ON.. IS IT EFFECTIVE?

Sequence of Events

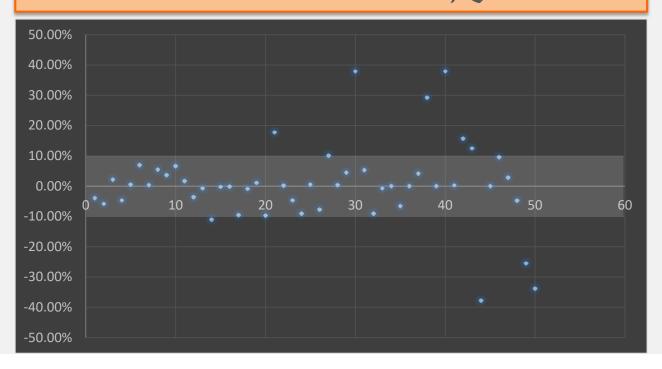
Data Collection

Data Validation

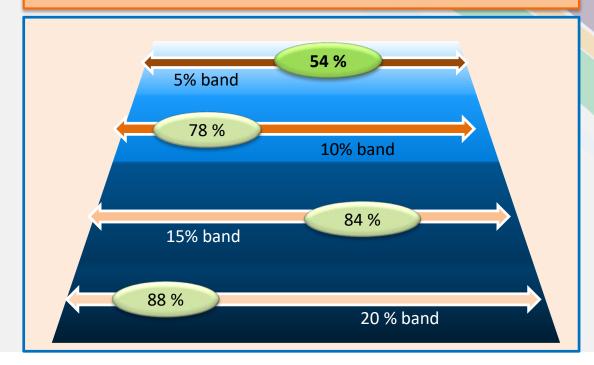
Effective ness Analysis

Improvement Actions Identification

Model Effectiveness Data Points, Q3-FY 17



Model Effectiveness Results, Q3-FY 17





... AND IS IT WORTHWHILE?

Base-lined Productivity of 36 technologies available

Managed Services Support model has been filed for patent.



Model Usage

About 1600+ support projects are using the model



Productivity Base-lining



Customer Leverage



TCS IP



Large Deal Support

Customer leveraging model for size standardization under TCS guidance

Large deal estimation across multiple domains leveraging MS model

LETS SEE AN EXAMPLE IMPLEMENTATION

Customer Profile

Large US BFS customer providing world class clearing services

Scenario/Challenges

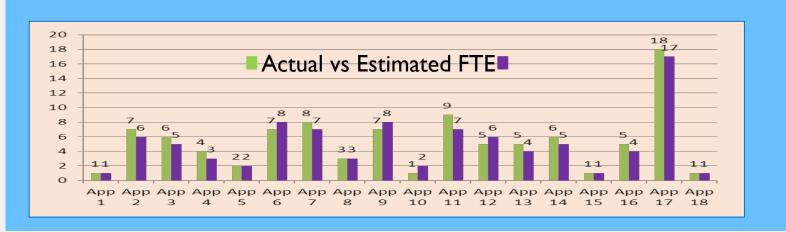
- Challenges to load manpower due to incidents volume fluctuations
- Poor manpower utilization meant increase in support cost

TCS Solution Approach

- Analyzed app history
- Investigated support traits such as SLA etc.
- Applied MS support Model for multiple applications to determine optimum FTEs required

Results & Benefits

- Transparency of unutilized effort for better planning & cost reduction
- Greatly improved overall accuracy of 6% in FTE counts
- Productivity based approach helped continuous improvement
- Support cost fluctuations minimized
- Improved Operations Minimized MTTR, >98% SLA hit, no aged backlogs



SO AGAIN.. IN A NUTSHELL, WHAT'S IN IT FOR YOU?



Standardization in Estimation

Consistent sizing mechanism allowing predictable and accurate FTE counts every time



Optimum Capacity Planning

Transparency in FTE required vs total available capacity



Productivity Life Cycle Management

Showcase customers periodic productivity improvements



Person Independence

Reduces the person dependency/ambiguity in arriving at estimates

Strong impacts in the areas of WP, WMC, IWM, CAM, MA, OPP, OPM in Services model

Multiple Customers' various downstream needs being satisfied

Multiple large deals and RFPs being supported and won using the Managed Services Support model

Base-lined and Benchmarked
Account/Organization level
productivity. Accounts benefiting by
leveraging framework for support
planning and tracking

ORGANISATIOI BENEFITS

TATA CONSULTANCY SERVICES
Experience certainty.

PROJECT BENEFITS

THIS IS NOT THE END OF THE STORY

- Continuous refinement based on operational performance
- Trend analysis and incorporation to be a step ahead of the industry
- Domain led data analytics and its impact on estimation
- Enhancing the model to cater to other aspects of Managed Services





Do

you

have

any

Questions?







Thank you!

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