

# VKM 2023 & SMARTLAB BUDGETING 2.0

## Overview

# VKM 2023 & SmartLab Budgeting 2.0 Overview

## Agenda

- VKM Overview
- Budgeting 2.0 Overview
- Budgeting 2.0 Demo

# VKM 2023 & SmartLab Budgeting 2.0 Overview

## MS/NE-CC VKM Principle

- Purpose of VKM is to avoid huge numbers of individual invoices to recover costs, not included in basic person month rate at actual
  - For monthly capacity based invoices a **VKM-component** is added to the basic person month rate of RBEI for off-shore SW-development
  - The resulting price is referred to as **VKM-rate**
  - VKM-rates are distinguished per business unit/domain (PS, CC, XC, ECU-SW & -HW, Tool dev.)

**CC-VKM covers MB, 2WP and OSS dept. at NE-CC**

# VKM 2023 & SmartLab Budgeting 2.0 Overview

## MS/NE-CC VKM-Components

### RBEI basic person month rate

(Personnel, facility, IT, management costs)

### Hardware investments (MAE and revenue)

(CC specific lab & test equipment incl. high performance laptops and servers at RBEI, Oscilloscope, Power supply, vehicles, ECU Harness...)

### Software license costs & AMC

(CC specific licenses for development environment)

### Travel and Stay Costs incl. Visa charges

(For Project Discussions of PM, Business Discussions of Group Managers)

### Support persons billed via VKM

(Lab & IT Support, Quality- & PMO, Group Manager)

**VKM rate calculated yearly and submitted to CTG. VKM Price for 2022 : 3525 USD**

# VKM 2023 & SmartLab Budgeting 2.0 Overview

## Components not covered in VKM

Not covered by VKM -> charged to projects directly

Travel and Stay costs for on-site project work

Project specific Hardware (e.g., ECUs, Controller boards)

Project specific Software [Consider AMC while planning SW License in Project Budget]

Training costs of RBEI persons (incl. intercultural, language)

Costs related to Winter tests

# VKM 2023 & SmartLab Budgeting 2.0 Overview

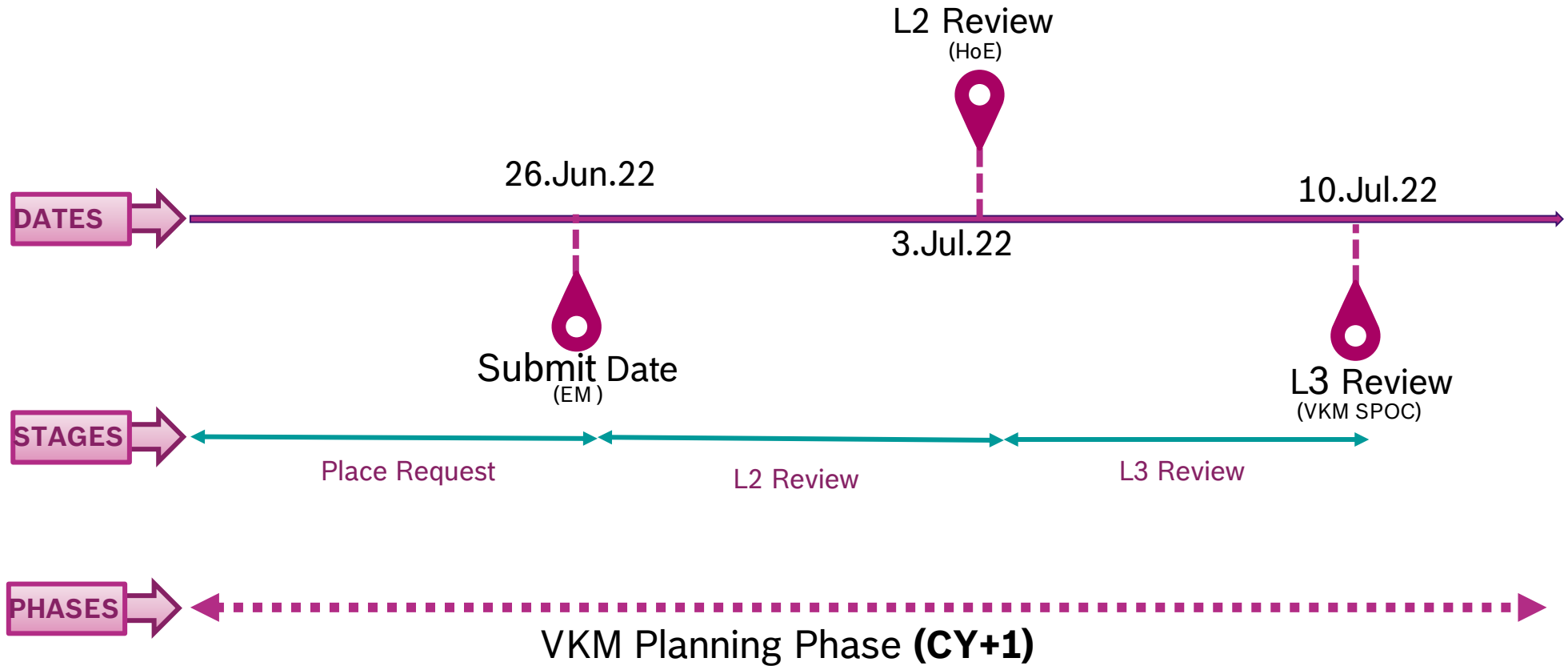
## Required Inputs

1. EMs / Support person to be covered in VKM. The Inputs can be added in [THIS LINK](#)
2. Lab equipment planning via SmartLab LE Planner in [THIS LINK](#)

**Note:** Central pool Lab and IT Equipments to be planned by Lab Mgmt team and IT infra team at NE-CC

# VKM 2023 & SmartLab Budgeting 2.0 Overview

## Hints on Important Milestones in VKM Planning



# VKM 2023 & SmartLab Budgeting 2.0 Overview

## Contact SPOC Team for Queries



VKM Owner

Pracheth Rao H (MS/ESO-CC MS/PJ-MNT)



VKM SPOCs

Dinesh Kumar Mani (MS/ESP-IS5-CC) - MB, 2WP  
Chetan Balkunje Shenoy (MS/ESA-PC1-CC)- OSS



Process queries

Thiyagarajan Madasamy  
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Murugadas Kaviyarasu  
[external.Kaviyarasu.M@in.bosch.com](mailto:external.Kaviyarasu.M@in.bosch.com)



Tool queries

SmartLab Team  
[Cob\\_RBEI\\_SmartLabDevTeam@bcn.bosch.com](mailto:Cob_RBEI_SmartLabDevTeam@bcn.bosch.com)



# SMARTLAB BUDGETING 2.0

## Overview

# SmartLab Budgeting 2.0 Overview

## Motivation



Enable Transparency in Information flow between different stake holders



**UI enhancement - Autofill few request details, previous planned data view to Tech/Program Leads and Directors**



Efficiently manage and plan VKM Lab investments.



Database based tool design prevent data / files from being corrupted.



Existing VKM budget sheets are tedious to maintain as there are multiple excel sheets.



Close workflow gaps between requests and reviews. Hence prevent data entry by multiple users and data loss / inconsistency.

# SmartLab Budgeting 2.0 Overview

## Existing Features

### New User Interface

New look for Ease of Use with Customizable View !



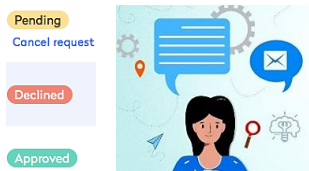
### Email Notification

Transparency of Information Flow



### Request Status of Submitted Items

Track his/her Item Requests !



### Planned Items Comparison

Previous vs Current VKM Planned Items



### BU Based Items Master List

Centralized view of Items



### Previous Year Item Notification

Which means Efficient Cost Savings !

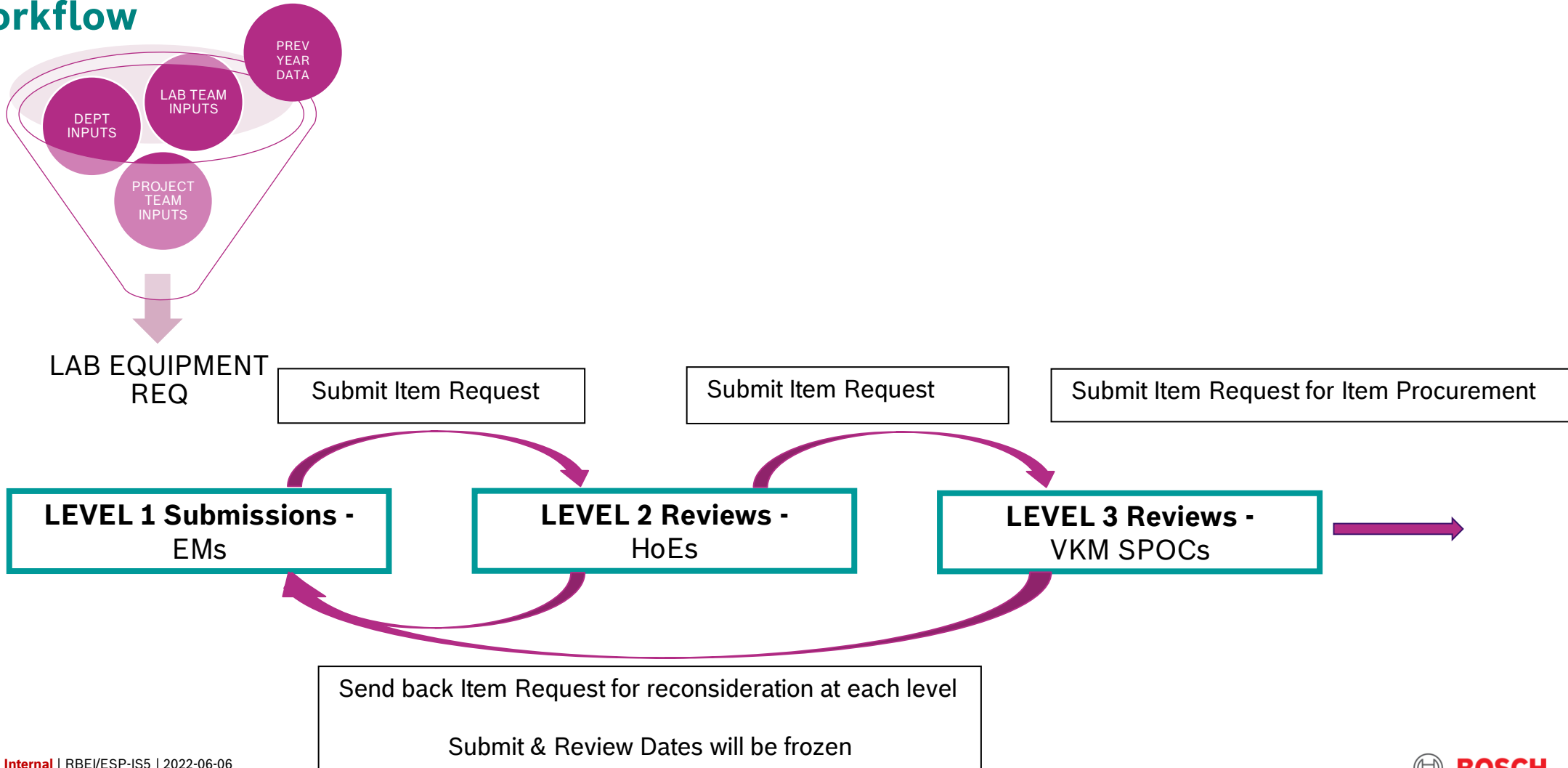


### Excel export






# SmartLab Budgeting 2.0 Overview


## Workflow




# SmartLab Budgeting 2.0 Overview


## Landing View

 SmartLab  Home  Contact

APAC\MAE9COB  **BOSCH**




# Budgeting 2.0



### LE Planner

EM(Tech/Program Lead) Lab Equipment requests


Launch



### HoE Reviews

L2 Reviewer(Tech/Program Director) VKM Plan review


Launch



### VKM SPOC Reviews

L3 Reviewer VKM Plan review


Launch



### Lab RFO

Request for Ordering planned items


Launch



### Requestors Master List

Authorize Users


Launch



### Items Master List

Manage Items for VKM Planning

Launch



### FAQ

Got a Question? Know more

Launch

V2.0.0.0 - Developed by MS/ESP-IS5 SmartLab Software Team - Bosch Global Software Technologies Private Ltd

– Best viewed in Mozilla –

## LE Planner

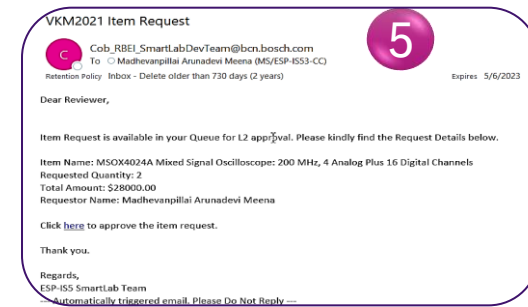
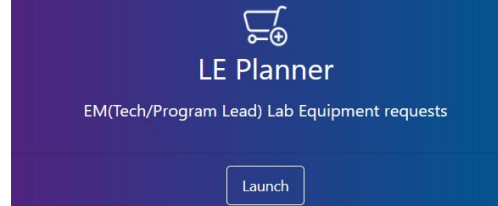


# LE Planner

**For Engineering Managers  
(Tech Leads/Program Leads)**

# LE Planner

Use this module if you are planning items for projects / Lab (Engineering Managers)



**Lab Equipment Planner**

6 Requests Summary 8 Clear Filters Choose VKM Year: 2023 Details: Request Item 7b

-- 79d 15h 49m 56s left to fill in your inputs --

1 7a Submit All

BU	OEM	Project	Dept	Group	Item	Available Qty	Qty	Amt	HoE	VKM SPOC	Remark	Status
(A)	(...)		(All)	(All)	(All)							
M	D...		MS/ESP...	MS/ESP...	Select...			\$0	Priya M Priya M	Dinesh Kumar ...		
MB	Daimler		MS/ESP-IS-CC	MS/ESP-IS5-...	VM Server for Smart Lab Tool	NA	1	\$146	Priya M Priya M	Dinesh Kumar ...		In Requestor's Queue

2 3 4

## Features

- 1 User can add Request
- 2 Edit / Delete / Submit / Submit All Request
- 3 Request Status
- 4 Export feature
- 5 Email notification on submit
- 6 Summary Views
- 7 a. Bonus feature: Customize your table
- 7 b. New in 2.0 - User selection for details of request and item
- 8 New in 2.0 - Previous Year VKM Requests
- 9 New in 2.0 - Auto Fill BU, OEM based on user's previous request

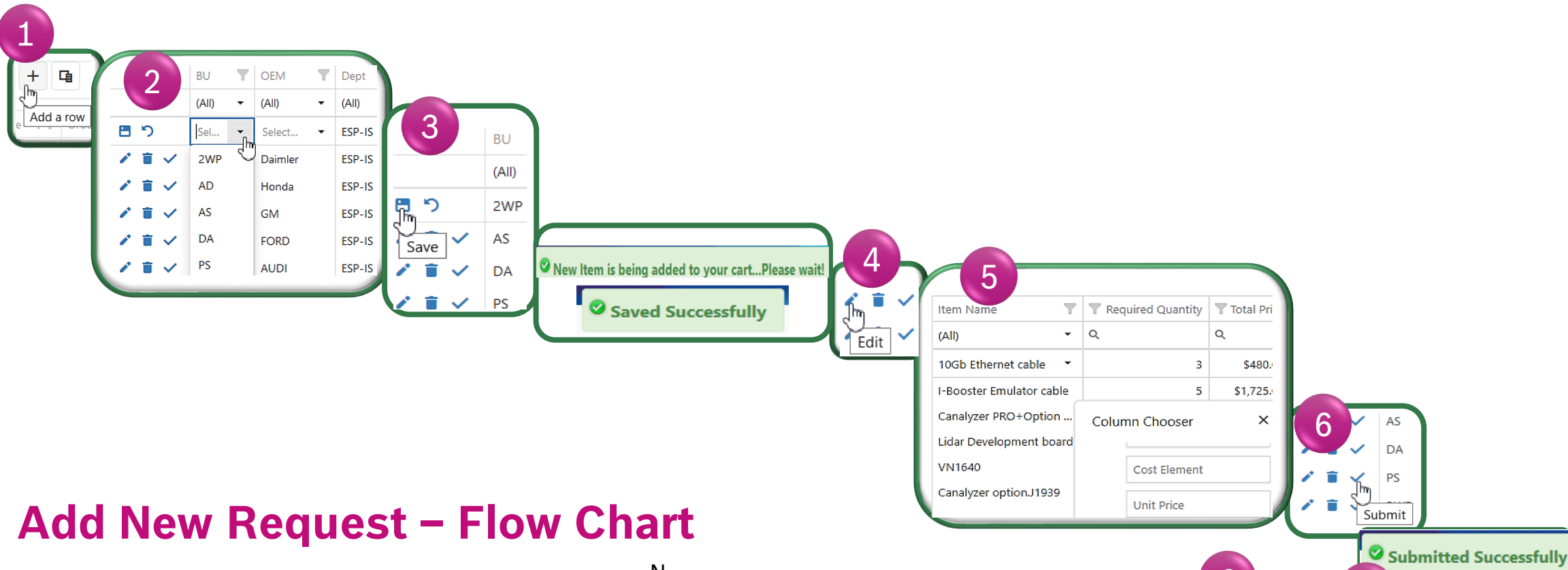


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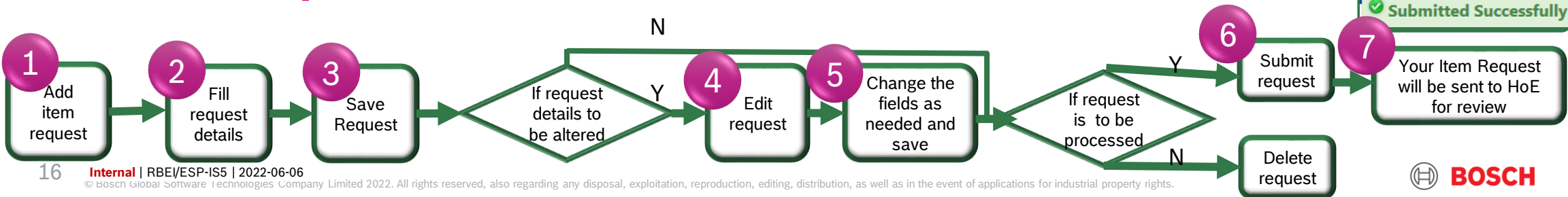
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# Add New Request



## Add New Request – Flow Chart





# SmartLab Budgeting 2.0 Overview

## Landing View

SmartLab Home Contact APAC\MAE9COB **BOSCH**

# Budgeting 2.0

### LE Planner

EM(Tech/Program Lead) Lab Equipment requests

Launch

### HoE Reviews

L2 Reviewer(Tech/Program Director) VKM Plan review

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### VKM SPOC Reviews

L3 Reviewer VKM Plan review

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### Lab RFO

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### Requestors Master List

Authorize Users

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### Items Master List

Manage Items for VKM Planning

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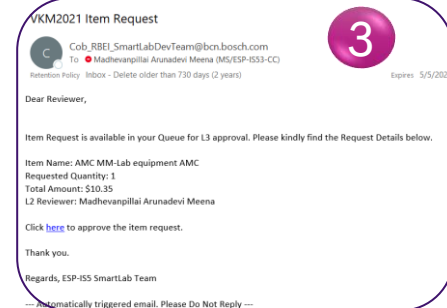
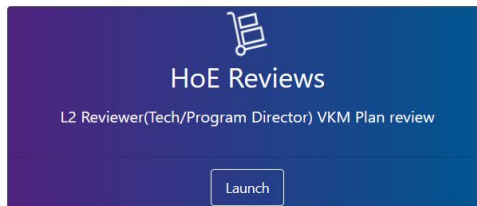
## HOE Reviews

# HOE Reviews

For Head of Engineering  
(Tech/Program Directors)

# HoE Reviews

Use this module if you are reviewing items planned for Lab (Head of Engineering)



The screenshot shows the "HoE Reviews" interface. It includes a top navigation bar with "SmartLab", "Budgeting Home", and "FAQ". The main header has "APAC\MAE9COB" and the "BOSCH" logo. Below the header, there are filters for "Requests Summary", "Clear Filters", "Choose VKM Year: 2023", and "Details: Request | Item". A table lists items for review with columns for BU, OEM, Dept, Group, Project, Item, Available Qty, Qty, Amt, Review Qty, Review Amt, Requestor, and Remark. A dashed green box highlights the "Submit All" and "Export" buttons, with a green arrow pointing from the "Export" button to the "Remark" column. Numbered callouts (1-6) are placed around the interface to highlight specific features.

	BU	OEM	Dept	Group	Project	Item	Available Qty	Qty	Amt	Review Qty	Review Amt	Requestor	Remark
	( ... )	( ... )	(All)	(All)	Q	(All)	Q	Q	Q	Q	Q	Q	
	MB	Daimler	MS/ESP-IS-CC	MS/ESP-IS5-CC		VM Server for Smart Lab Tool	NA	1	\$146	0	\$0	Meena Madhev...	
	MB	COEM	MS/ESP-IS-CC	MS/ESP-IS5-CC	test	Breakout Box-154 pin	80	5	\$14,336	0	\$0	Meena Madhev...	
	MB	Buff	MS/ESP-IS-CC	MS/ESP-IS5-CC		Breakout Box-154 pin	80	2	\$5,734	0	\$0	Meena Madhev...	
	OSS	AUDI	MS/ESP-IS-CC	MS/ESP-IS5-CC		3V Zener Diode	NA	2	\$3	0	\$0	Meena Madhev...	

## Features

- 1 Edit / Submit / Sendback / Submit All Request(s)
- 2 Export feature
- 3 Email notification on submit/sendback

- 4 Summary Views
- 5 New in 2.0 - Previous Year VKM Requests
- 6 New in 2.0 - User selection for details of request and item

# Q&A

# THANK YOU