

Quality Control Project 2023

**Integration Monitoring Local Part Ordering
for Completed Good Receive (GR) to get
Properness of Inventory Level**

by SIMBA TEAM

Spirit **I**nnovation & **M**otivate to **B**etter **A**gile of working



FD-ISTD-PCD-PUD

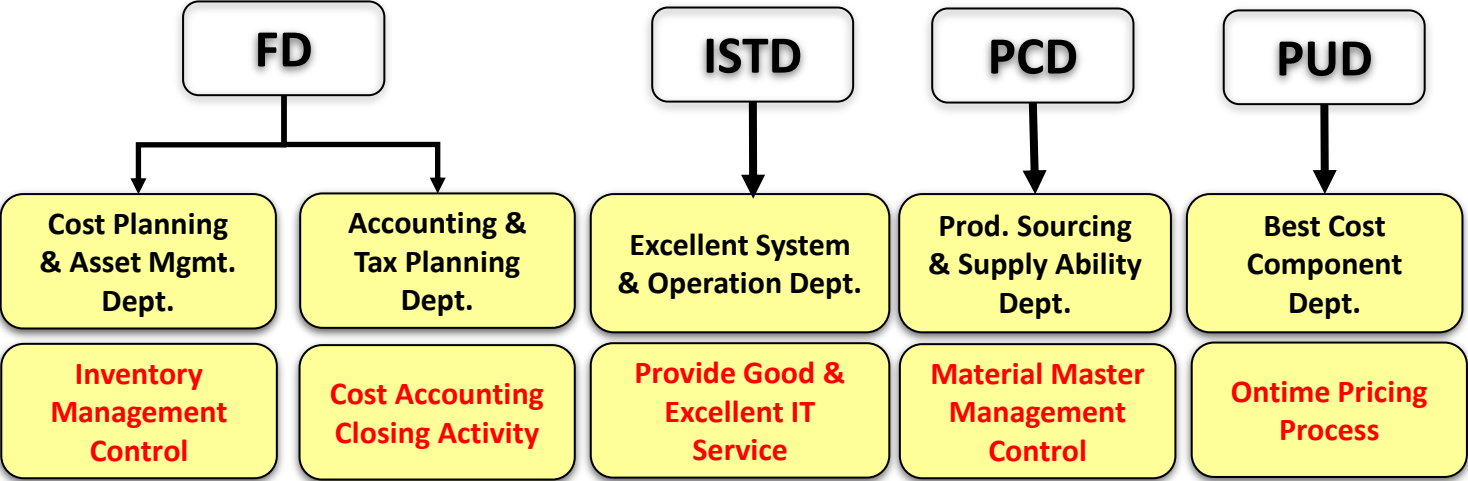
1. Profile Team

GROUP NAME

SIMBA

Spirit **I**nnovation & **M**otivate to **B**etter **A**gile of working

WORKING AREA



QCP TEAM COMMITMENT

1. Weekly Meeting for monitoring and Follow up execution
2. Clear next action & PIC by each Division Responsibility for level up knowledge

ORGANIZATION

ADVISOR



Afdely S.



Sixninthson



Wirawan



Eko Haryo

FACILITATOR



Atiningsih D.



Bayu P



Yuwono P.



Agus S

MEMBER



Isyana



Tommy D.



Fatah H



Naufal



Firdaus



Yusuf S



Mardani



Angga N



Arief N

2. Company Hoshin

FD hoshin

PCD hoshin

PuD hoshin

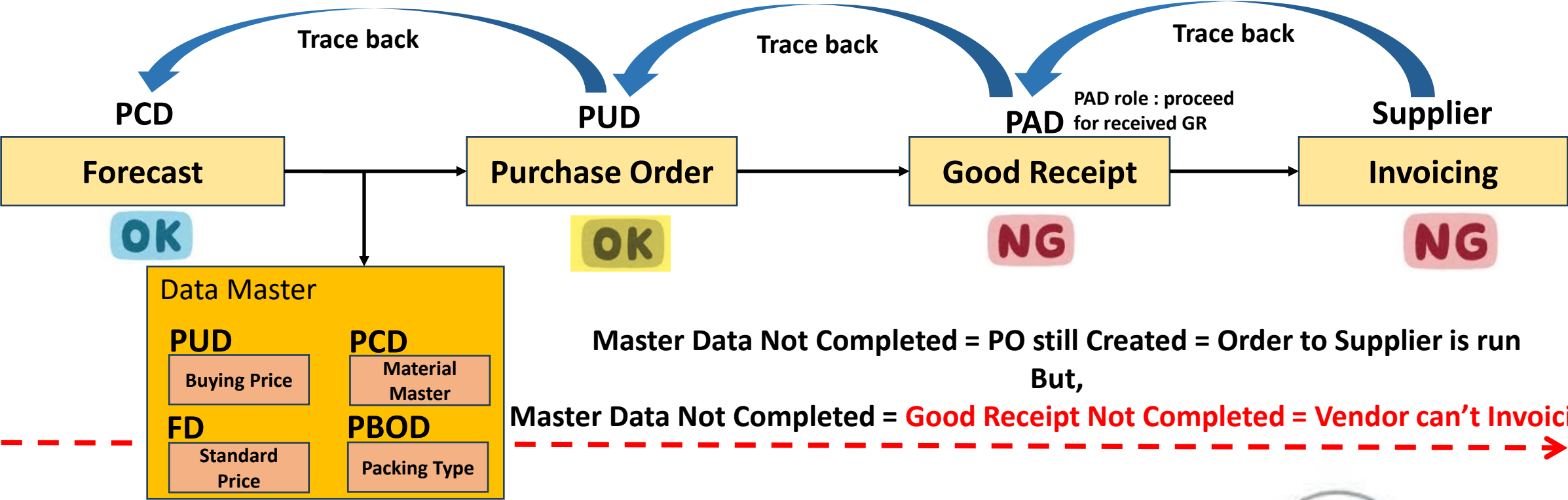
ISTD hoshin

Company Hoshin : Strong Basic Foundation

Div.	Division Hoshin	Strategy Execution	KPI
FD	Ensure excellent operation to ensure TMMIN ready for next level company (at least 1 improvement each section/Dept)	Minimized delay GR to system due to uncomplete master data	at least 95% GR interface successfully process on same month
ISTD	IT Optimization for Competitiveness, IT Operation Excellence for biz continuity and support new model introduction	Contribute to new model launch & compliances, through Improving / Adjusting Existing System following biz changes	Compliance 100%
PCD	Optimize & Improve System for boosting High Accuracy & Efficient Procurement data process (to keep smooth next process & data transaction)	Data automation process & sharpening data completion	Accuracy Procurement Data Maintenance 100%
PUD	Support Achieving cost target & profitability for Project	Conduct 5 pillars cost reduction strategy and challenge to absorb real world cost on SOP	Achieve Project cost planning real world (on time)

3. Background

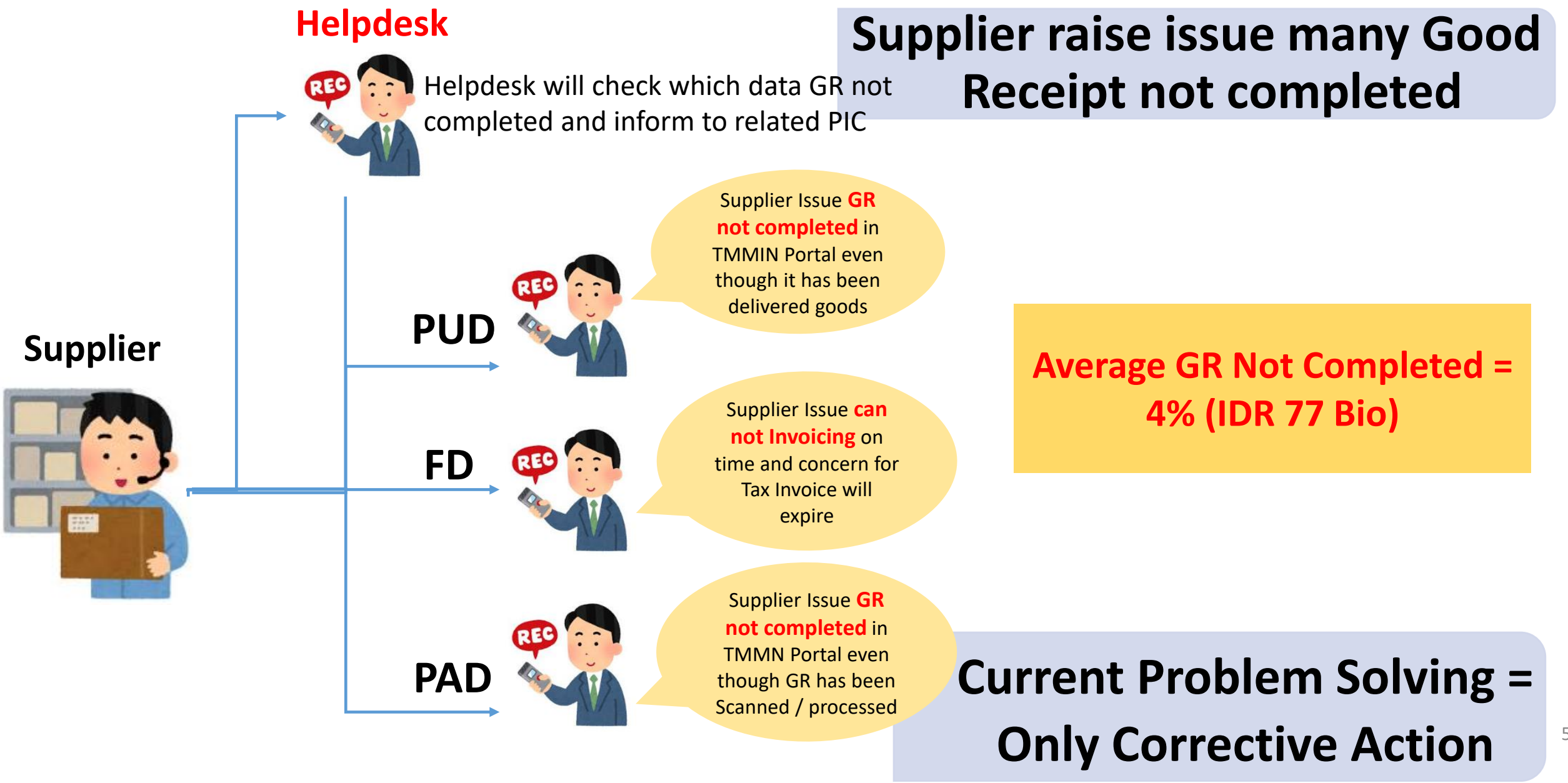
Local Part Ordering Process



Problem in the Next Process
(Good Receipt Not Completed and Vendor can't Invoicing)



3. Background (Continue)



4. Objective

How to Monitoring & Reduce Good Receipt Not Completed

Current : 4%
Good Receipt Not Completed



272 Issue Ticket to
IT Helpdesk **per Month**



174 Supplier
Impacted **per Month**



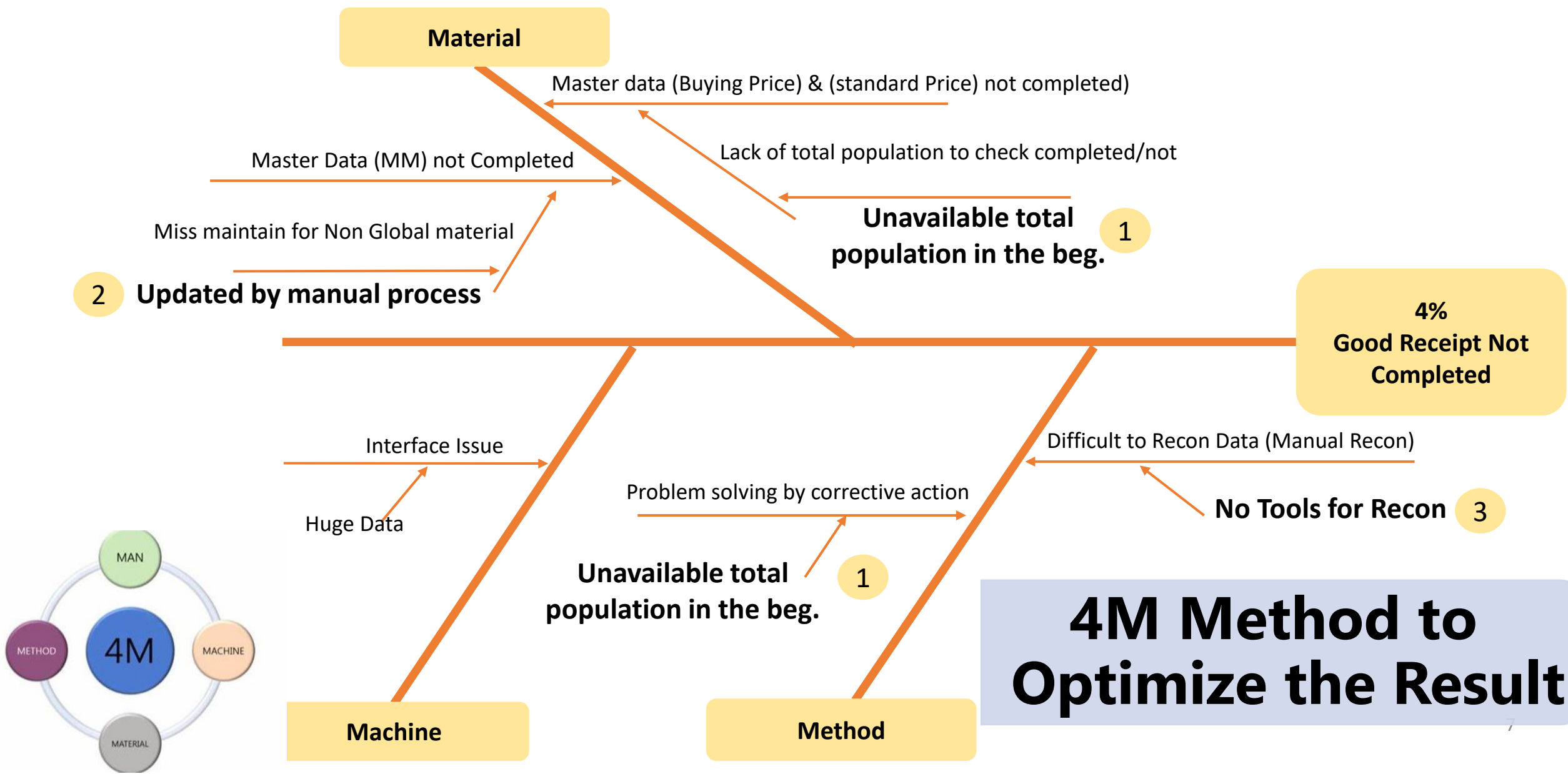
Need **66 Hours**
to Rework **per Month**



IDR 77 Bio Impacted
can not invoicing **per Month**

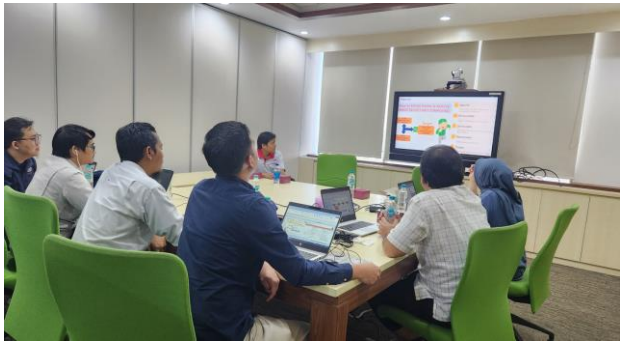
Target : Reduce 4% Good Receipt Not Completed

5. Root cause



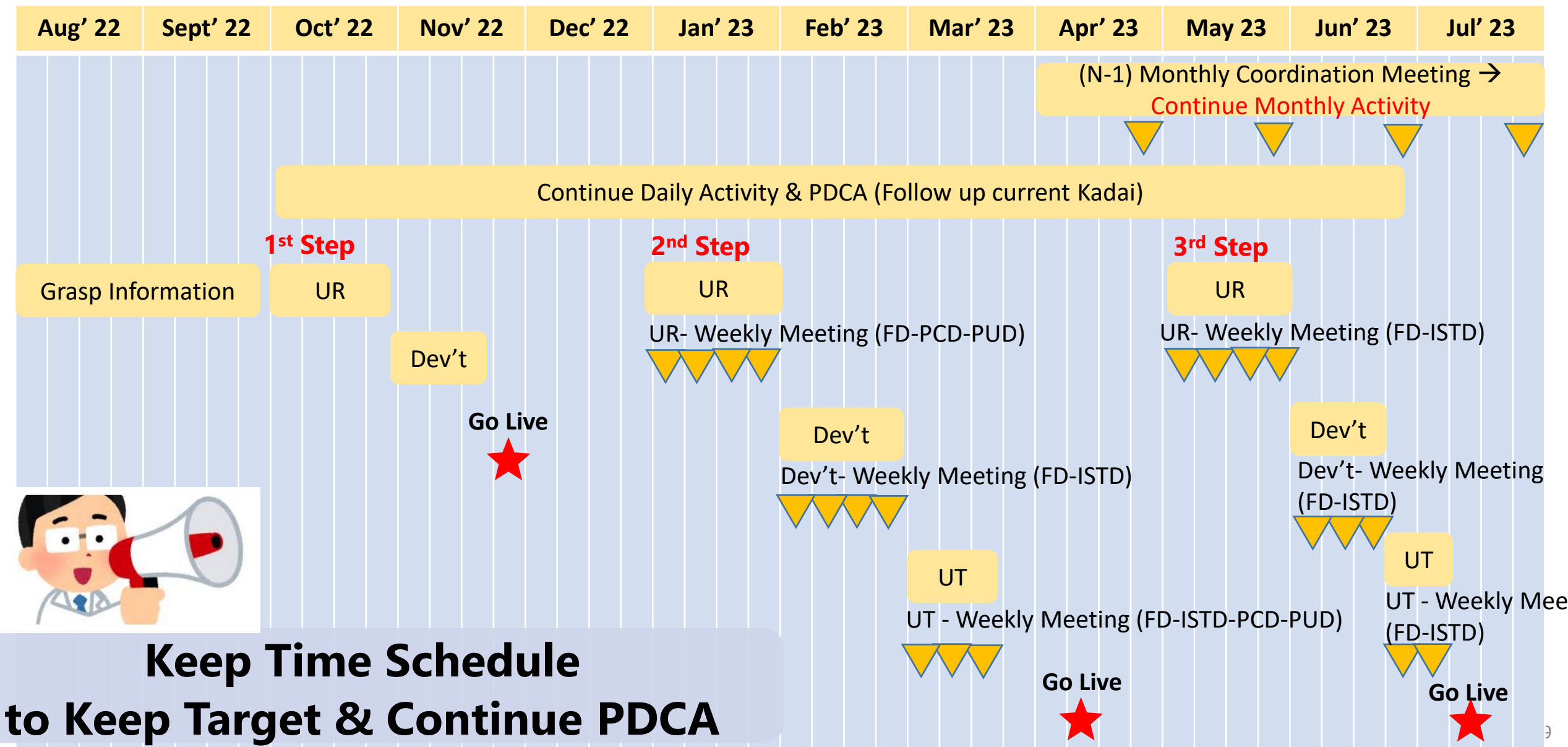
6. Countermeasure

Teamwork enables better problem solving



	Root cause	Next Action / Countermeasure	PIC	Due Date	Step
1	Unavailable to get data total population in the beg. for Buying Price & Standard Price	Coordination with PCD team to get data total population based on Getsudo → Coordination with ISTD team to link the data → Manual Recon Data for completeness check	PCD, PUD, FD-Costing, ISTD	Oct' 22	
2	Update manual maintain for Non Global material for Material Master	Manual monthly Recon Data for completeness check	PCD	Oct' 22	
3	No Tools for Recon Master Data (Completeness check All Master Data : MM, Buying Price and Standard Price)	Based on action no. 1-3 (manual recon data for completeness check by each PIC) → need to level up by create automatic tools / Digitalization for easy control & monitoring (Preventive Action)	FD-Inventory, FD-Costing team, PCD, PUD, ISTD	1 st Step : Nov' 22 2 nd Step : April' 22	1 st Step 2 nd Step
Additional : No automatic tools for control & monitoring GR daily transaction		Dashboard visualization for GR Control & Monitoring of Daily transaction (Corrective Action)	FD-Inventory, ISTD	July 2023	3 rd Step

7. Time Schedule



7. Result & Evaluation (1st Step) Pull a head - Corrective to Preventive Action

Before :

Manual check by excel by each PIC – No consolidated recon for Master Data by related PIC

ACTION	D ID	VERS	REV NO	COMP CD	R PLANT CD	DOCK CD	S PLANT CD	SHIP CD	ORD TYPE	PACK MONTH	CAR CD	REC CD	SRC	PART NO	ORDER TYPE	ORDER LOT SZ	KANBAN NUMBER	N VOLUME
1	0	NCS	F	0001	807D	57	1			202308	565W	E	1	515040D09000				
2	0	NCS	F	0001	807D	57	1			202308	624W	E	1	512290D05000				
3	0	NCS	F	0001	807D	58	1			202308	681W	E	1	538320D15000				
4	0	NCS	F	0001	807B	1E	1			202308	520W	E	1	115130C01000				
5	0	NCS	F	0001	807D	56	1			202308	565W	E	1	571540D04000				
6	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67167B201000				
7	0	NCS	F	0001	807D	56	1			202308	033H	E	1	55113B206000				
8	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67118B204000				
9	0	NCS	F	0001	807D	57	1			202308	624W	E	1	51401B211000				
10	0	NCS	F	0001	807D	56	1			202308	033H	E	1	90115T001300				
11	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67175B217000				
12	0	NCS	F	0001	807B	1E	1			202308	520W	E	1	119210C01000				
13	0	NCS	F	0001	807B	1E	1			202308	520W	E	1	90105T025300				
14	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67391B230000				
15	0	NCS	F	0001	807D	56	1			202308	681W	E	1	612040D04000				
16	0	NCS	F	0001	807D	56	1			202308	033H	E	1	57404B214000				
17	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67131B213000				
18	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67131B213000				
19	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67131B213000				
20	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67131B213000				
21	0	NCS	F	0001	807D	56	1			202308	033H	E	1	67131B213000				

After :

Create Tools for Automatic Consolidation Data between Getsudo LPOP PCD vs Current Master Data (MM, Buying Price, Standard Price and Packing Type)

Output : Automatic Weekly email notification to all related PIC.



LPOP Completeness Check 202211

LA

LPOP Admin <LPOP-Admin@toyota.co.id>
To : ● Jimmy Christian M.; ● Hendri Setiadi; ● Poniman; ● Imelda; ● Regia Erfawinanda; ● Arif Bangun Sanj
Adaninggar K. A. P.; ● Mardian Nurman; ● Irman Firmansyah; ● Ghufra Mahfuzh; ● Tommy Darmaw
Cc : ● Albertus Hatmadji; ● bayup@toyota.co.id; ● Subhan Wibawa

Dear All,

Berikut ini kami sampaikan Error LPOP Interface Validation Result untuk Production : 202211.

Untuk itu mohon bantuan dari masing-masing PIC untuk segera memaintain data tersebut agar GR processing

Message Error	Total Error	PIC
MICS0232BERR: Material Price doesn't exist on Transaction Price Master	2895	PUD
MICS0087BERR: Combination of Plant, Sloc and Material doesn't exist on Material Master	94	PUD
MICS0219BERR: Material doesn't exist on material master	73	PCD
MICS0232BERR: Released Standar Price doesn't exist on Transaction Standar Price Master	63	FD
GRAND TOTAL	3125	

7. Result & Evaluation (1st Step continue)

Kadai:

- 1. No clear information to read the data and don't know who did what
- 2. Need additional manual reconcile based on data in email notification
- 3. No Effective Coordination meeting between related PIC to control & monitoring
- 4. Each PIC runs on its own according to its area



Good Receipt Not Completed STILL OCCURS and is HIGH also difficult to monitoring


Nov' 22	Dec' 22	Jan' 23	Feb' 23	Mar' 23
1 %	7 %	6 %	6 %	5%
28 Bio	52 Bio	105 Bio	145 Bio	119 Bio

7. Result & Evaluation (2nd Step)

Before :

Create Tools for **Automatic Consolidation** Data between Getsudo LPOP PCD vs Current Master Data (MM, Buying Price, Standard Price and Packing Type)

Output : Automatic Weekly email notification to all related **PIC**.



LPOP Completeness Check 202211

LA

LPOP Admin <LPOP-Admin@toyota.co.id>
To : Jimmy Christian M.; Hendri Setiadi; Poniman; Imelda; Regia Erfawinanda; Arif Bangun Santoso
Adaninggar K. A. P.; Mardian Nurman; Irman Firmansyah; Ghufan Mahfuz; Tommy Darmawan
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MICS0232BERR: Released Standar Price doesn't exist on Transaction Standar Price Master	63	FD
GRAND TOTAL	3125	

After :

Improve Automatic Consolidation by Re-Mapping Master data with detail requirement for Properness Master Data Completeness Check and **add Clear Visualization**

Output : Automatic *Weekly email notification to all related PIC with New Format* (and cc : Div. Head)



LPOP Completeness Check 202304

LA

LPOP Admin <LPOP-Admin@toyota.co.id>
To : Ananda S. Putri; Hendri Setiadi; Poniman; Regia Erfawinanda; Arif Bangun Santoso; Adaninggar K. A. P.; Yodhis Arelianto; Ajeng M.; Arief Nurudin; Agusnitas Kusyanti; Elizabeth Listiy; Bani Umayyah; +11 others
Cc : Iyana Harum; Tommy Darmawan; Evi Rumata; Albertus Hatmadji; Jimmy Christian M.; Altingah Suliyanto; Imelda; Ika Haryo Wardhana; Widjanah; Alady Sidiq; Yandi Purnomo; Sanjithan Uthiy; +3 others

Berikut ini kami sampaikan Error LPOP Interface Validation Result untuk Production : 202304.

Untuk itu mohon bantuan dari masing-masing PIC untuk segera memaintain data tersebut agar GR processing tidak mengalami error.

Type	Error List	PIC	Part Number Impact				Vendor Impact			
			Week 5				Week 5			
			N	N+1	N+2	N+3	N	N+1	N+2	N+3
Regular	Buying	PUD	72	1102	1146	1151	14	128	130	130
Regular	Material	PCD	22	74	74	77	2	24	26	26
Regular	Standard	FD	116	1399	1538	1348	29	135	136	134

Type	Error List	PIC	Part Number Impact				Vendor Impact			
			Week 5				Week 5			
			N	N+1	N+2	N+3	N	N+1	N+2	N+3
Service Part	Buying	PUD	51	51	51	51	19	19	19	19
Service Part	Material	PBOD	1	1	1	1	1	1	1	1
Service Part	Standard	FD	6991	6991	6991	6991	141	141	141	141

Buying Price Impact

Part

Vendor

Part

Vendor

Regular

Service Part

Before Week

Current Week

Part	1,175,154	127	127	57	41	23	19
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Material Master Impact

Part

Vendor

Part

Vendor

Regular

Service Part

N

N+1

Part	1,077,107	120	120				
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Standard Price Impact

Part

Vendor

Part

Vendor

Regular

Service Part

N

N+1

Part	1,088,076	121	119	26	2	7	2
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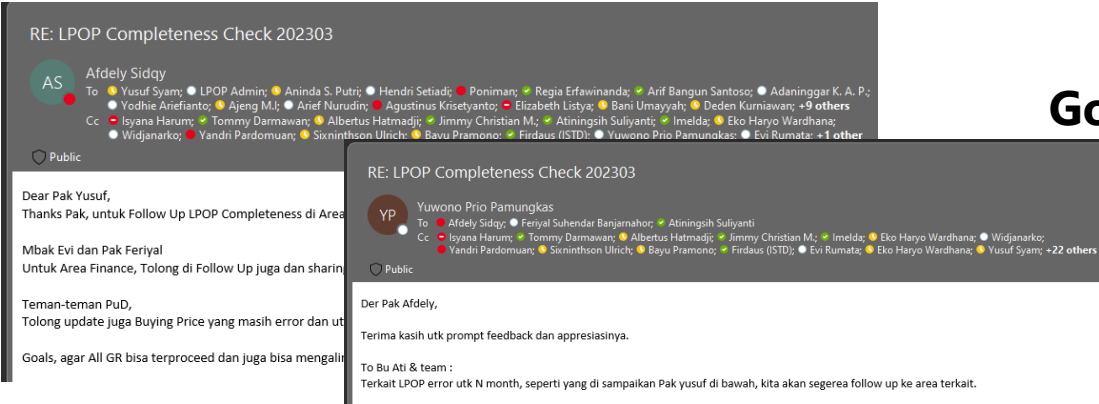
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7. Result & Evaluation (2nd Step continue)

***All Related PIC agree to continue all the process follow up and update the progress in Monthly Coordination Meeting in D-5 (N-1 Month)**
→ Continue Level Up Meeting up to DH in D-2 (N-1 Month) *if any issue to raise up

PDCA Impact:

Item	Before	After
Read Data	No clear information to read the data and don't know who did what	Clear information to read the data and know who did what
Reconcile Data	Need additional manual reconcile based on data in email notification	No Need additional manual reconcile based on data in email notification → Automatic reconcile data (data ready to follow up)
Coordination Meeting / Communication	No Effective Coordination meeting between related PIC to control & monitoring	Effective Coordination meeting between related PIC to control & monitoring
Information (Management level)	No information issue in management Level	Provide information issue in management level (up to Div. Head) Raise up Issue → Progress Follow



Good Receipt Not Completed can be easy to monitoring and gradually REDUCE

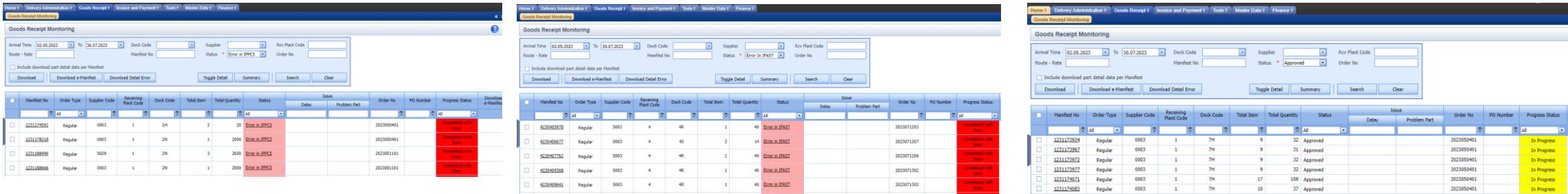
Apr' 23	May' 23	June' 23
0.5 %	3 %	5%
6 Bio	72 Bio	120 Bio



7. Result & Evaluation (3rd Step)

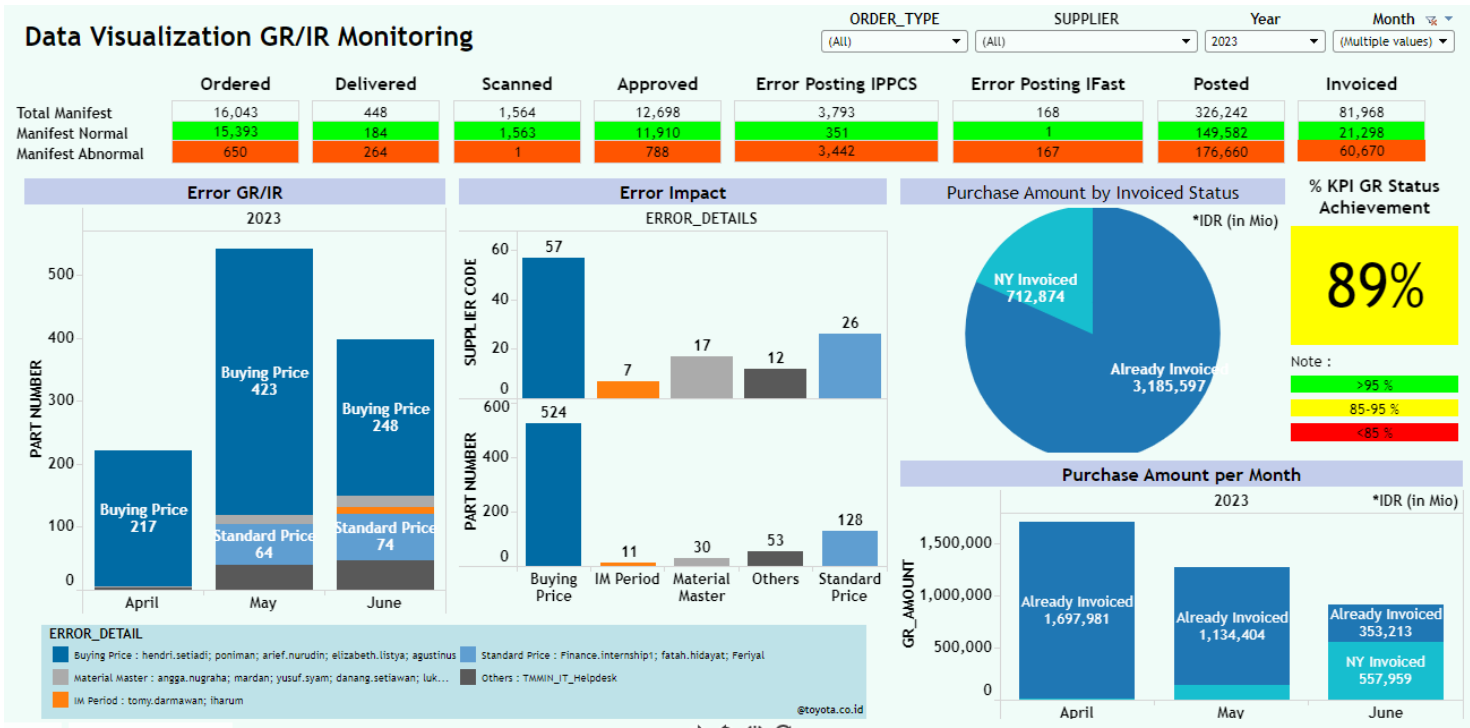
Before :

Manual check and download (one by one) per status category Good Receipt in TMMIN Portal.







After :

Create Dashboard visualization for GR Control & Monitoring of Daily transaction (Corrective Action)



Easier to control and follow up for the total population current issue (REAL TIME data)

8. Benefit

Item		Before	After
Issue Ticket to IT Helpdesk		272	205
Man Hour each PIC to Rework		66 Hours	42 Hours
Supplier impacted		174	137
Amount Impacted can not invoicing		4% (IDR 77 Bio) Total Purchase : 2 Trillion	3% (IDR 66 Bio) Total Purchase : 2.1 Trillion

Good Receipt Not Completed gradually REDUCE

Nov' 22	Dec' 22	Jan' 23	Feb' 23	Mar' 23	Apr' 23	May' 23	Jun' 23
1 %	7 %	6 %	6 %	5%	0.5 %	3 %	5%
28 Bio	52 Bio	105 Bio	145 Bio	119 Bio	6 Bio	72 Bio	120 Bio



9. Next Action

	Next Action	PIC	Due Date
1	Continue monthly coordination Meeting with all PIC related in N-1 Month	FD, ISTD, PUD, PCD	D-5 (N-1 Month)
2	Continue Control and monitoring Status GR not completed → Keep mindset to strong follow up Status GR not completed	FD, ISTD, PUD, PCD	D+2 (N+1 Month)

Promote to Supply Chain

1	Promote Dashboard visualization to external Parties (Supplier)	FD, ISTD	Sept' 2023
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Continue improvement to increase the efficiency, accuracy, effectiveness or quality of Business Operation



Thank You