

## PROJECT CLOSURE REPORT

Documentation and Implementation of W.R.T  
VZ.TPR.9404 - Verizon Technical Purchasing  
Requirements (TPR/CSR)

AT

PPC Technologies India Pvt. Ltd, Kochi



Release: 00

Date : 21-05-2024

Date: 21<sup>st</sup> May. 2024

**Acknowledgement:**

Dear All,

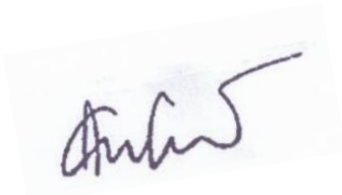
It is my pleasure to formally submit this Operational Excellence Model QMS Robustness project report which was executed by Omnex for PPC Kochi . Omnex with our 30 years of experience in the industry, had devised this approach in consultation with your continual improvement team, to help you in executing the projects in a systematic and structured manner. This 10 month project engagement comprised of training, consulting and implementation on various improvement techniques

In today's challenging Environment, it is extremely crucial that we all work towards upgrading the manufacturing base not only to face the challenges, but also to have Best-in Class practices implemented which will catapult PPC as a front runner in the fiercely competitive world market. I am sure the knowledge imparted to your team will sharpen their abilities towards handling situation in more effective manner.

We at Omnex are very happy to be a part of your improvement initiative. Most importantly, learning is effective only when practiced. I am sure that each of the team member involved in this assignment will take time to revisit these concepts; implement in every way they can and strive to make the most coveted Safety System Company in the industry.

All the best for your continual Improvement journey...

Sincerely,



**Arun Kumar,**  
**Director and Vice President - APAC Operations,**  
**Omnex Inc.**

**OMNEX** | "Driving Worldwide Business Excellence" since 1986

Americas | Asia | Europe

## 1 Report History

### 1.1 Revision History

Revision date	Author	Version	Summary of Changes	Changes marked
03-03-23	Arun Thomas	00	Initial Release	Nil

### 1.2 Approvals

This document requires the following approvals:

Name	Title	Date of Issue	Version
Arun Kumar	Director & VP Asia & Pacific Operations	03-03-23	00

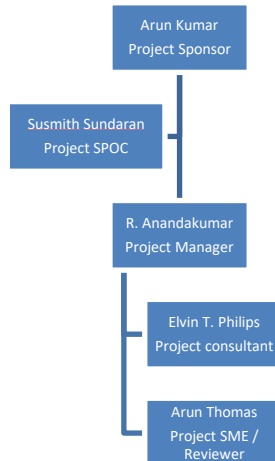
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## 2 Project Synopsis

Training, consulting and implementation of QMS Robustness by alignment of Corporate Procedures, CSR, and management systems with local processes

### 2.1 PPC Project organization structure (Omnex)



Key Accounts Manager : Susmith – Business Development

## 3 Project Closure Report Summary

**3.1 Project Objectives:** Documentation and Implementation of W.R.T VZ.TPR.9404 - Verizon Technical Purchasing Requirements (TPR/CSR)

### 3.2 Project Closure Synopsis

#### PPC Kochi :

facility to qualify for sale to the world’s largest fiber-to-the-home (FTTH) and wireless providers. The 70,000 square-foot Kochi manufacturing plant welcomes more than 350 employees in engineering, testing, operations and administrative roles, and produces key products offered in PPC’s solutions suite, including fiber connectivity, delivery and management solutions.

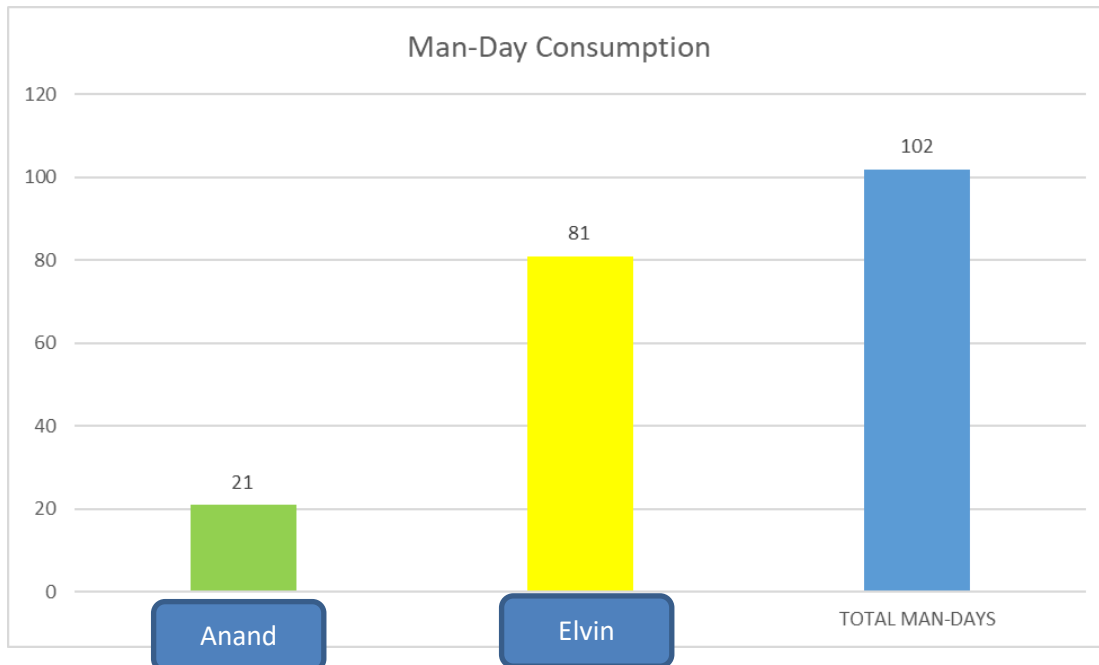


## 4 Project milestones Plan vs Actual

Phase	Milestones	Initial Planned date	Actual Completion date
Phase 0	Project Kick off	23-03-23	23.03.23
Phase 1	Discovery Analysis	30-04-23	30-04-23
Phase 2	Create Awareness	31-05-23	31-05-23
Phase 3	Improvisation & Documentation	29-07-23	29-07-23
Phase 4	Pre assessment	10-09-23	10-09-23
Phase 5	Review & Close project	30-10-23	30-01-24

### 4.1 Phase wise Detailed Report

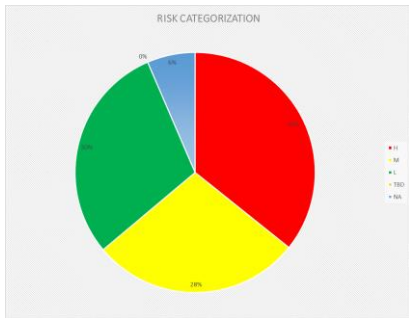
#### 4.1.1 Project Man days – Consultant wise



### 4.1.2 Phase wise Activities

Month	Phase	Planned man days	Actual man days completed	Deliverables	Responsibility
23.03.23	0	1	1	Project Kick off	Anandakumar Elvin
30.04.23	1	3	3	Discovery Analysis	Anandakumar Elvin
31.05.23	2	15	15	Create Awareness	Anandakumar
29..07.23	3	65	72	Document Improvisation	Anandakumar Elvin
10.09.23	4	12	10	Pre-Assessment	Anandakumar Elvin
30.01.24	5	6	6	Project closure	Anandakumar Elvin

## 5 Project Approaches:



Function VS. Verizon TPR	QA	VEND	FACIL	RELIA	STAN	CAPA	SCM	QMS	DEV	LINE	ADHE	GR-32	DVP&	TOTAL
QA-PPC	32	5	1	13	0	7	2	2	0	3	1	22	1	89
R&D	0	15	14	3	2	2	0	3	11	4	4	18	2	78
Production	8	0	0	1	0	0	2	1	0	0	0	24	0	36
IT	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Purchasing	1	1	0	0	0	0	0	0	0	0	0	0	0	2
HR	3	0	0	0	0	0	0	0	0	0	0	1	0	4
Stores	0	1	0	3	0	0	5	0	0	0	0	0	0	9
Maintenance	1	0	0	0	0	0	0	0	0	0	0	1	0	2
Logistics	0	0	0	1	0	0	0	0	0	0	0	0	0	1
R&D, QA-PPC	1	1	0	1	0	2	1	0	0	0	1	3	0	10
Production, QA-PPC	1	0	0	0	0	0	0	0	0	0	0	1	0	2
R&D, Production	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Production, QA-PPC, Engineering	0	0	0	0	0	0	0	0	0	0	0	2	0	2
CS-PPC	0	0	0	0	0	0	0	0	0	0	0	5	0	5
R&D, PLM	0	0	0	0	0	0	0	0	0	0	0	1	0	1
GENERAL	2	0	2	3	0	0	0	0	1	2	1	6	0	17
TOTAL														261

LEGEND				
H	94	3%	High Risk	Information / objective evidence fully not available / adhered / implemented / demonstrated against Verizon TPR requirements.
M	74	2%	Medium Risk	Information / objective evidence partially available / adhered / implemented / demonstrated against Verizon TPR requirements.
L	78	3%	Low Risk	Information / objective evidence fully available / adhered / implemented / demonstrated against Verizon TPR requirements.
TBD	0	0%	To Be Discussed	Information / objective evidence to be discussed with relevant process owner(s) / steering committee
NA	17	6%	Not Applicable	Requirements are not applicable to PPC Kochi business processes.

**PLAN : Phase -1( Gap assessment):**

During planing phase of the project initial gap assesment completed in Autoliv business process with respect to ISO/IATF/CSR requirements .Based on the assessment report find out key strengths & opportunity of improvements which helped Autoliv QMS project kicked off of on 27 Nov'2017 participated by Autoliv steering committee and process owners parallelly prepared work breakdown sheet for the further phases including the timeline which got client approval.

QA			STANDARDS			DEVICE QUALIFY - POD			DVP&R		
CATEGORY	#	%	CATEGORY	#	%	CATEGORY	#	%	CATEGORY	#	%
H	14	27%	H	1	50%	H	1	8%	H	1	33%
M	22	43%	M	1	50%	M	3	25%	M	0	0%
L	13	25%	L	0	0%	L	7	58%	L	2	67%
TBD	0	0%	TBD	0	0%	TBD	0	0%	TBD	0	0%
NA	2	4%	NA	0	0%	NA	1	8%	NA	0	0%

VENDOR - FACILITY			CAPA			LINE QUALITY		
CATEGORY	#	%	CATEGORY	#	%	CATEGORY	#	%
H	8	33%	H	6	55%	H	0	0%
M	8	33%	M	4	36%	M	4	33%
L	8	33%	L	1	9%	L	3	25%
TBD	0	0%	TBD	0	0%	TBD	0	0%
NA	0	0%	NA	0	0%	NA	2	17%

IN-HOUSE - FACILITY			SCM			ADHESIVES MANAGEMENT		
CATEGORY	#	%	CATEGORY	#	%	CATEGORY	#	%
H	3	18%	H	3	30%	H	1	13%
M	2	12%	M	4	40%	M	3	38%
L	10	59%	L	3	30%	L	3	38%
TBD	0	0%	TBD	0	0%	TBD	0	0%
NA	2	12%	NA	0	0%	NA	1	13%

RELIABILITY TEST			QMS			GR-326		
CATEGORY	#	%	CATEGORY	#	%	CATEGORY	#	%
H	13	52%	H	1	17%	H	42	350%
M	5	20%	M	1	17%	M	17	142%
L	4	16%	L	4	67%	L	20	167%
TBD	0	0%	TBD	0	0%	TBD	0	0%
NA	3	12%	NA	0	0%	NA	6	50%

FUNCTION	TOTAL CLAUSES	CLOSED	% CLOSURE
QA-PPC	119	82	69%
R&D	76	69	91%
Production	29	23	79%
IT	1	1	100%
SCM	12	10	83%
HR	6	5	83%
Maintenance	1	1	100%
CS-PPC	4	3	75%
NA	15	15	100%
<b>TOTAL</b>	<b>263</b>	<b>209</b>	



## Phase -2(Create Awareness):

### 3.Training Evidences



- 1.Awareness training - ISO 9001:2015, TL 9000, Verizon VZ.TPR.9404 - Completed
2. Awareness training - PMP, NPD, FMEA, MSA, SPC – Completed
3. Awareness training - Root Cause Analysis (Problem Solving) - Completed
4. Awareness training - Vendor Management and Control - Completed
5. Awareness training - Requirement Flow down Linkage – Completed
6. Handholding Session – Statistical Process Control – Completed

## Phase - 3 (Document Improvisation):

All business process KPI has been redefined based on above modification released 'TO BE MAP' and score card sheet with proposed tangible benefits (Processing time,Lead time)

### 4.Formats created

Microsoft Excel Worksheet	Microsoft Excel 17-2003 Workshee	Microsoft Excel 17-2003 Workshee	C:\G_Drive\04. \X India\00. PROJE	C:\G_Drive\04. \X India\00. PROJE
Gantt Chart	PPAP Package	SPC Sample	Design Records	ECN Documents
C:\G_Drive\04. \X India\00. PROJE	Microsoft Excel Worksheet	Microsoft Excel Worksheet	Microsoft Excel Worksheet	Microsoft Excel Worksheet
Customer Approval Sample	PFMEA Format	Dimensional Report	Initial Process Capability	Bias Study
Microsoft Excel 17-2003 Workshee	Microsoft Excel 17-2003 Workshee	Microsoft Excel 17-2003 Workshee	Microsoft Excel Worksheet	
MSA - Gage Repeatability & Reproducibility	Stability Study	Linearity Study	Escalation Matrix	Feasibility Study

## 4.1 Evidence Repository

Name	Modified	Modified By	File size
00. KPI DATA	June 4	Elvin Thomas Philips	8 items
01. QMS DOCS	June 4	Elvin Thomas Philips	6 items
CSM	June 4	Elvin Thomas Philips	5 items
HR	June 4	Elvin Thomas Philips	2 items
IT	June 4	Elvin Thomas Philips	5 items
LOGISTICS	June 4	Elvin Thomas Philips	7 items
MAINTENANCE	June 4	Elvin Thomas Philips	2 items
PLANNING	June 4	Elvin Thomas Philips	4 items
PRODUCTION	June 4	Elvin Thomas Philips	12 items
PURCHASE	June 4	Elvin Thomas Philips	6 items
QMS	June 4	Elvin Thomas Philips	14 items
R&D	June 4	Elvin Thomas Philips	10 items
STORES	June 4	Elvin Thomas Philips	2 items

## 4.1 Closed Points - Evidences

(R&D)

FUNCTION	TASK	STATUS	DUE DATE	REMARKS
R&D	Collect sample from CPA	OPEN	05-May-23	
	Product dimensional report	OPEN	05-May-23	
	Dimensional Verification	CLOSED		To be reviewed by PM during review meeting
	Reliability Test Sample	OPEN	05-May-23	
	Lessons Learned from Production of Prototype	OPEN	05-May-23	
	Gantt Chart for Overall Project to Qualify PPC Kochi Facility	RE-ASSIGNED		To be reviewed by PM during review meeting. Re-Assigned to Production.
	3 Gantt Chart to be made, 1 for each product family (TPA, CPA, CTPA)	IN-PROGRESS	05-May-23	
	Gantt Chart - TPA	CLOSED		To be reviewed by PM during review meeting
	Gantt Chart - CPA	CLOSED		To be reviewed by PM during review meeting
	Gantt Chart - CTPA	CLOSED		To be reviewed by PM during review meeting
	MAJOR TASK: Complete documentation completion for Qualification Reports for ALL 141 critical parts	IN-PROGRESS	05-May-23	Parts list being reviewed with inputs from PPC Top Management
	DFMEA's for Verizon Products	CLOSED		Data not available
	DVP&R - Design Verification Plan	CLOSED		Data not available
	Verizon Products - Technical Specifications	IN-PROGRESS	05-May-23	
			IN-	05-

Documents Roll out – Level 1,2,3,4

4.1b TPA – PFD

(R&D)

PPC Technologies India Pvt. Ltd		Doc No	TPA-PFD V1
PROCESS FLOW CHART		Date	02-05-2023
Terminal Plate Assembly		Page No	1
PROCESS FLOW DIAGRAM		TPA-PFD V1	
Customer:	Version	Part name:	Terminal Plate Assembly
Specification	TPA-PPS	PFMEA no.:	TPA-PFMEA
Prepared by:	Saaid Muhammad Thwaha	Approved by:	Bevi Mohammad
Terminal Plate Assembly			
Process No.	Process name/operation	Incoming source of Variation / SPC/ C	Product Characteristics
1	Material delivery at store (M)	Transportation damage QTY Mismatch Part mismatch Handling damage	
2	IQC Inspection (M) Material Quarantine (M) PASS	NG Part Handling damage	TPA Outer dimension 286/288 W/airmounting type Tele Gray RAL 7045 15mm CPICA Child Part Dimensions as per part drawing in material IENS-4-060
3	Material storage in store (M)	Part Identification mismatch	
4	Material issue from store (M)	QTY mismatch Part Mismatch	
5	Spool winding (M)	1. Length calculation error 2. Cable damage 3. Uneven cable winding 4. Cable print error	Product length Red tape at end of cable slack
			Ballown No. / Process Characteristics
			SAP SPN PFD Temperature control
			A,B,G,U,T
			Y
			N,H

4.2c TPA – PFMEA

(R&D)

PPC Technologies India Pvt. Ltd		Process Failure Mode Effect Analysis														
Terminal Plate Assembly		Date: 05-04-2023														
PFMEA NO	TPA-PFMEA	DATE	05-04-2023													
PART NUMBER	As per Annexure-1	CORE TEAM	Thaha, Bevi, Geegan, Sarav, Sudeesh, Anoop, Jyo, Vinod													
PART DESCRIPTION	Terminal Plate Assembly	SPEC NO.	TPA-PPS													
		GROUP/INDIVIDUAL	Group													
Process No.	Process name/operation	Ballown No.	REQUIREMENT	POTENTIAL FAILURE MODE	POTENTIAL EFFECT(S) OF FAILURE	SEVERITY	SOCC	POTENTIAL CAUSE (S) OF FAILURE	CONTROL PREVENTION	CONTROL DETECTION	DETECTION	R P N	RECOMMENDED ACTION(S)	SOBILITY & TARGET COMPLETION DATE	ACTION IS TAKEN	SEVERITY OCCURRENCE DETECTION RPN
1	Material delivery at store		TPA Outer dimension(286/288) W/airmounting type Telegray RAL 7045	Transportation damage	MP Part rejection and production plus affect SP: NG Product CU: NG Product	8		Wrong packaging	Sub Vendor PFAP review Sub vendor AGI	1	Receiving inspection	2	16			
				QTY Mismatch	MP Production plus affect SP: Plus affect CU: Plus affect	4		Inadequate verification at subvendor	Sub Vendor PFAP review Sub vendor AGI	1	Receiving inspection	2	8			
				Wrong part	MP Production plus affect SP: Plus affect CU: Plus affect	1		Inadequate verification at subvendor	Sub Vendor PFAP review Sub vendor AGI	4	Receiving inspection	1	28			
				Handling damage	MP Part rejection and production plus affect SP: Plus affect CU: Plus affect	4		Wrong handling	effective training	2	QC inspection	2	16			
				TPA outer dimension error	MP Part able to pack(0) SP: No effect(1) CU: Fitment issue with mating part(0) Part weight error(2) Flexibility issue while mounting(2)	1		NG Part receive	Sub Vendor PFAP review Sub vendor AGI	2	Receiving inspection	2	28			

4.1d TPA – Control Plan

(R&D)

PPC Technologies India Pvt. Ltd														Doc No	TPA-CPVI			
Control Plan														Date	18-04-2023			
Terminal Plate Assembly														Page No	1			
Control Plan Level														Process Owner				
Part Name / Description														Customer	Close			
Process No	Process Name / operation	Subcon No.	Machin. Device / Jig / Tool / Fixture	Character	Special Character	Product/process specification / Dimension or per Drawing	Error / Defect	Evaluation / Measurement Technique	Sample	Control Method	Reaction Plan							
1	Material Delivery at Store			1	SDP	ETP Version				Cyber security(ET)	Inform to supervisor							
				2	OPN							Inform to supervisor						
				3	FFD				FFD Board			Color coding system LPS	Inform to supervisor					
				4	Transportation damage				Visual			Visual inspection training Visual inspection Eye test 95-100%	Return to vendor					
					QTY Mis-match				Print/label order				Calibration	Inform to supervisor				
					Part mismatch				Act per P.D part number				Visual inspection training Visual inspection Eye test 95-100%	Return to vendor				
2	QC Inspection	A/R/AMT	Coating machine - Vapor cabinet - Master control table - Digital weighing balance	1	TPA outer dimension 20R208	20R208		Measurement Scale / Analyze	Nonconformance	Specify tool / member	EasyLoc	Calibration	Visual inspection training Visual inspection Eye test 95-100%	Scrap / Rework / Reuse				
				2	mounting type		Val		Visual			Visual inspection training Visual inspection Eye test 95-100%	Return to vendor					
				3	Color		Talk Gray RAL 7045		Visual			Visual inspection training Visual inspection Eye test 95-100%	Return to vendor					
				4	Plate material Grade		USens CRCA						Calibration	Inform to supervisor				
				5	Accessories		Installation manual, Screw 60 (M6) head and sub-assembly label		As per part drawing in master list (MSL-4-800)		As per part drawing in master list (MSL-4-800)							
				6	Chill pan dimension													

4.2 Closed Points - Evidences

(QMS)

Microsoft Word Document  
PPC Organization Chart

Microsoft Word Document  
Key Responsibilities and Authorities - QSM

Microsoft Word Document  
Verizon Project Team Chart

Microsoft Excel Worksheet  
QMS Documents

Microsoft Excel Worksheet  
Supplier Audit Plan

Microsoft Excel Worksheet  
Process Interaction Mapping

Microsoft Excel Worksheet  
QMS - Customer Complaints Tracker

Microsoft Word 7 - 2003 Document  
PPC Quality Policy

C:\G\_Drive\04. X India\00. PROJE  
Certifications

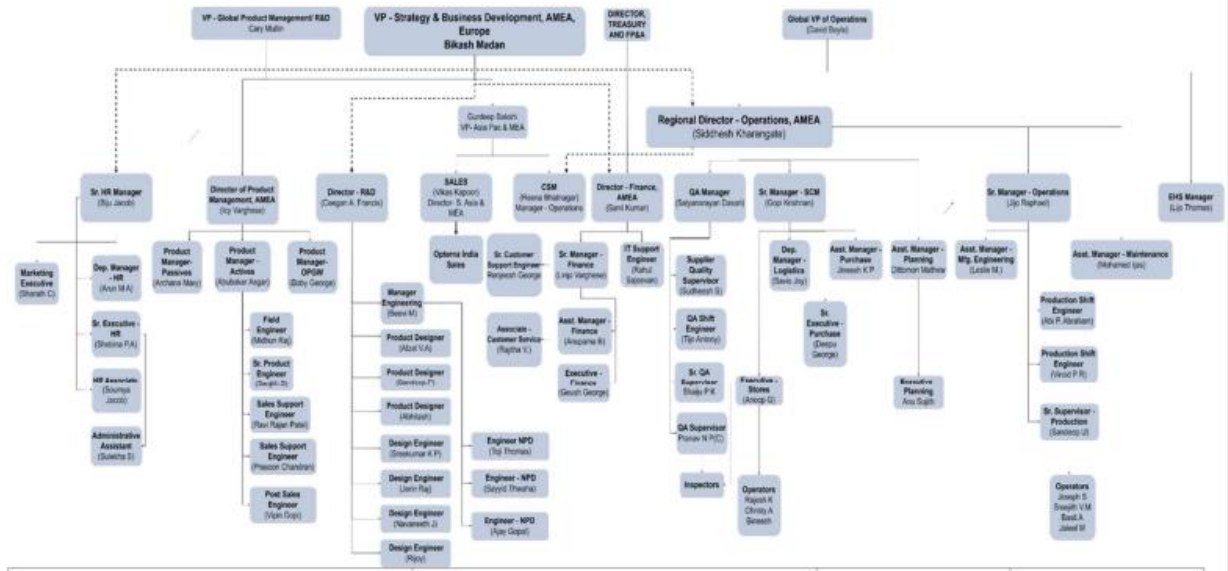
Microsoft Word Document  
CAPA Procedure

Microsoft Excel 17-2003 Worksheet  
Supplier Score Card

FUNCTION	TASK	STATUS	DUE DATE	REMARKS
QMS	R&D to be added in QSM-APPENDIX-3 - Process Sequence and Interactions.	OPEN	05-May-23	
	Risk assessment w.r.t. all business processes	IN-PROGRESS	05-May-23	Risk assessment has been subject to preliminary review and appears inadequate. More details will be required for risk assessment for ALL functions
	Risk assessment w.r.t. all business processes	IN-PROGRESS	05-May-23	
	Existing QMS documentation to be upgraded w.r.t. to new joiners and new changes in PPC Kochi	IN-PROGRESS	05-May-23	
	Organization Chart for PPC Kochi	CLOSED		New PPC Organization Chart has been submitted
	Key Responsibilities and Accountabilities to be documented in Quality Manual	IN-PROGRESS	05-May-23	KRA mapping is in progress
	Verizon NPD Project Team Chart to be prepared	CLOSED		Submitted
	Frame setting from Vision/Mission to KPI to KRA to JD to training plan	OPEN	05-May-23	
	Preparation of internal audit plan w.r.t. TL 9000, IEC Closure tracking	OPEN	05-May-23	
	Customer complaint tracker sheet for 2022 and 2023 to be provided	OPEN	05-May-23	
	Internal Rejection Tracker sheet for 2023 to be controlled (no document no. available)	OPEN	05-May-23	
	Customer Complaints 8D problem solving format and accompanying tracker	IN-PROGRESS	05-May-23	Data is being transferred to new internal software
	Escalation matrix	OPEN	05-May-23	

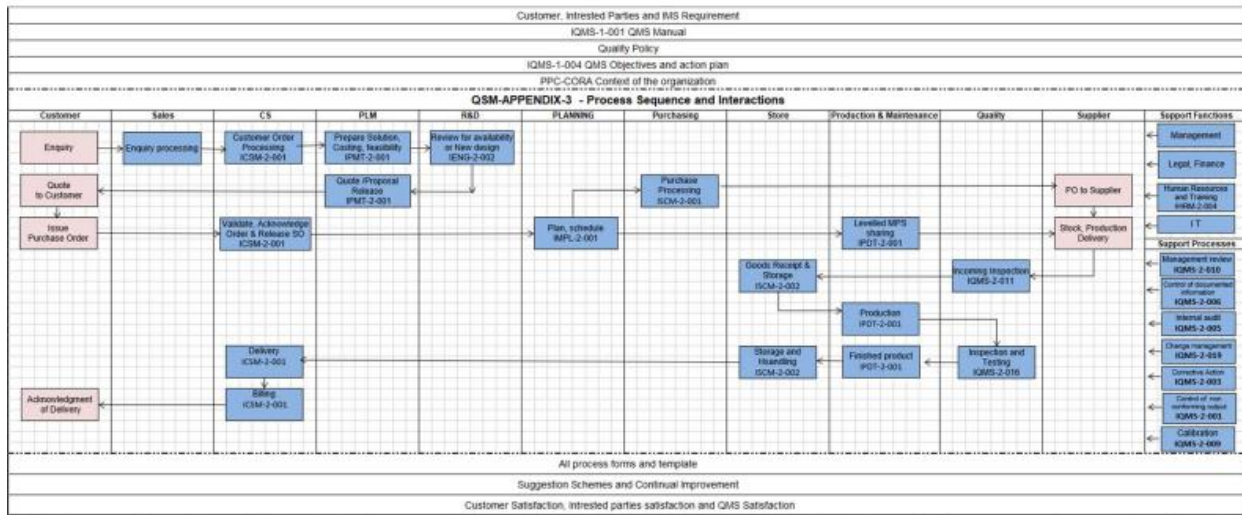
## 4.2a Organization Chart

(QMS)



## 4.2b Process Interaction Map

(QMS)



## 4.2c Customer Complaints Tracker sheet

(QMS)

Customer Complaints Register									Form No:	IQMS-6-031
									Rev No:	02
									Date:	02-01-2022
Complaint No.	Customer Details	Complaint Statement	Date received	Related product part numbers	Corrective Action	Responsibility	Status	Closing date	CAR Status	
006025	Teems India	Patch panel were damaged	02-03-2023	2USGY248FCME048E	Informed transporter through logistic team to handle the products with care, packaging has been improved internally to avoid transit damages.	1. Mr. Sheju 2. Mr. Sandeep Ullas 3. Mr. Toji Thomas 4. Mr. Tijo Antony	Closed	08.03.2023	CAR need to be send to customer	
003033	EXYTEL	1. MAC ID in product label and written in the device is incorrect. 2. DNTs are found without Power Switch on. 3. After CMT Upgrade, the 2.4G and 5G LED's were not glowing at the same time USB LED was glowing.	16-02-2023	OP25VWD-1A	1. M4C check integrated with MES as systematic full proof control - Implemented b. Modified the routing with defined standardize process flow chart for defective intercept devices : Every NG device must be routed through M4C check station, so it will reduce chances of mismatch/pass reason. c. All defective devices will not be repaired in line hence forth, it will be punched in TRC MES ( Punch in, Punch Out ) to correctly track the device repair events. 2. a. Implemented MES on LQC stage and if any cosmetic issue is found during inspection LQC, operator punch the defect in MES and send to TRC for repair and after repair and its run from same stage (LQC stage). b. Online repair is removed from the line and all defective device is punch in MES and repair in TRC only. c. Follow the action on stock, ITO.	1. Mr. Sudheesh 2. Mr. Tijo 3. Mr. Sanjith 4. Mr. Pranav	Closed	23-02-2023	CAR Closed	
003033	Right Vision	Cable jacket printed G857A2 but technically it is found G957A2	02-03-2023	PS1A1A75YD0V1L	Need to implement action plan at supplier and detection method has to implement at PPC	1. Mr. Sudheesh 2. Mr. Tijo 3. Mr. Taha 4. Mr. Pranav	open			

## 4.2d Supplier Score Card

Supplier score card - Shye Chang (Ningbo) Precision														
Supplier Name	Shye Chang (Ningbo) Precision										Vendor code		95592	
Metric	Target	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Parts accepted	-	4655000	0	0	1115000	0	230000	0						6000000
Parts rejected	-	0	0	0	0	0	0	0						0
PPM	300	0			0		0							0
% \$ rejected	TBD	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
CoPQ value ( in INR )	TBD													0
Rework hours	TBD	0	0	0	0	0	0	0						0
PoU hit due to quality	TBD	0	0	0	0	0	0	0						0
PoU hit due to velocity	TBD	0	0	0	0	0	0	0						0
Quality PDI defects (missed+found+new)	TBD	(0+0+0)	(0+0+0)	(0+0+0)	(0+0+0)	(0+0+0)	(0+0+0)	(0+0+0)						(0+0+0)
PPAP Effectiveness	95%	100%	100%	100%	100%	100%	100%	100%						100%
8D Effectiveness	90%	100%	100%	100%	100%	100%	100%	100%						100%
Field complaints	TBD	0	0	0	0	0	0	0						0
8D Closure rate	TBD	100%	100%	100%	100%	100%	100%	100%						100%
SSP	96%													
No. of past dues	TBD													0
No. of grieves	TBD													0
Velocity PDI defects (missed+found+new)	TBD	-	-	-	-	-	-	-						-

## 7.1 Outcome of Previous Steering Committee

#	DISCUSSION POINT	RESPONSIBILITY	STATUS
1	PPC Team ok with our Project approach and strategy	PPC & Omnex	23 <sup>rd</sup> March
2	We communicated every month 3 <sup>rd</sup> week Thursday project to be reviewed by the same team	PPC & OMNEX	23 <sup>rd</sup> March
3	If any road blocks in the project time line will be extended from original plan	PPC & OMNEX	23 <sup>rd</sup> March
4	In April, PTR has been postponed to October 2023 Due to machine non-availability	PPC	May 2023
5	Project to be extended due to delay, to be discussed with Omnex management	PPC	June 2023
6	Additional audits required by PPC Kochi team, to be discussed with Omnex management	PPC	June 2023

### Phase – 4 to 5 (Pre assessment & Closure ):

QA	VEND	FACIL	RELIA	STAND	CAPA	SCM	QMS	DEV-Q	LINE C	ADHES	GR-32	DVP&	TOTAL
32	5	1	13	0	7	2	2	0	3	1	22	1	89
0	15	14	3	2	2	0	3	11	4	4	18	2	78
8	0	0	1	0	0	2	1	0	0	0	24	0	36
1	0	0	0	0	0	0	0	0	0	0	0	0	1
1	1	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	1	0	4
0	1	0	3	0	0	5	0	0	0	0	0	0	9
1	0	0	0	0	0	0	0	0	0	0	1	0	2
0	0	0	1	0	0	0	0	0	0	0	0	0	1
1	1	0	1	0	2	1	0	0	0	1	3	0	10
1	0	0	0	0	0	0	0	0	0	0	1	0	2
0	0	0	0	0	0	0	0	0	0	1	1	0	2
0	0	0	0	0	0	0	0	0	0	0	2	0	2
0	0	0	0	0	0	0	0	0	0	0	5	0	5
0	0	0	0	0	0	0	0	0	0	0	1	0	1
2	0	2	3	0	0	0	0	1	2	1	6	0	17
TOTAL													261

## 6 Project Closure Tasks

### 6.1 Knowledge Transfer

1. VISIO software.
2. Risk based thinking
3. Requirements flow down linkages and Matrix.
4. TL9000 requirements
5. Documents roll out
6. Verizon CSR

#### Issue Management

Concern	Deliverable Affected	Risk Level	Autoliv Action Item	Omnex Action Item	Status
Conversion of workshop to soft version and documenting TO-BE Process Mapping may consume more efforts and impact the timeline.	1.3. Addressing requirements of standards 1.4. Mapping Corporate Policies and Procedures 1.5. Process documentation review and upgrade (Improved Process Documents)	M	Visio Software usage to be internally discussed and approved.	Its usage procedure and benefits to be demonstrated during the Management Review.  Upon approval, a workshop may be planned for the process owners and recorders.	CLOSED
AS IS Mapping is completed, but not yet signed off by concerned process owners.  AS IS Mapping completed but yet to be entered in Visio Format	1.3. Addressing requirements of standards 1.4. Mapping Corporate Policies and Procedures 1.5. Process documentation review and upgrade (Improved Process Documents)	H	Process owners to complete the sign-off so as to initiate the Phase 2 activities of RBT and TO-BE Process Mapping	Provide resources to mitigate the risk and initiate Visio Format update in parallel	Open
Additional OMNEX resources added to complete tasks which are to be completed by Autoliv Team	1.5. Process documentation review and upgrade (Improved Process Documents)	H	IMT to review the status internally with Autoliv Team to complete tasks assigned to them.	Provide inputs on addition of OMNEX resources in the IMT review and plan completion of WBS	CLOSED

### 6.2 Lessons Learned

Lesson No	Lesson Description	Suggested action based on Lessons	Process Impact (High, Medium, Low)
1.	Project progress review	Periodical on site project progress review must be performed by Client's Top Management to avoid difference of opinion.	High



**7 Conclusion**

- All phases of project completed with hands-on for the team.
- Relevant CSR's are mapped to the process through TO BE Mapping
- Process documents linked to one single process map and deposited in repository
- Removed NVA's of each process line and reduced cycle time of the processes

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Approved by

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**Client Name:****PPC Kochi**

-----End of Report-----