Issued 2020 – Updated 2023

IOT4MET SMART PACKING LIST

management



This brief Guide allow to learn how to fill in correctly the Packing List template sent by our MAIRE Referent

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03	HOW TO HANDLE ERRORS
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HOW TO FILL IN THE

TEMPLATE

▲ MAIRE

FILL IN: header fields

The Template file will be provided by MET referent.

File format: .xlsx

RECOMMENDED NOT CHANGE the name:

Right: SmartPL 7500090456_XA3BK v07

Wrong: Copy of SmartPL 7500090456_XA3BK v07

Right renamed Template: SmartPL 7500090456_XA3BK v06_Copy



Free Text: These fields must be filled in manually	PO nr. 7500099343 Packing List revision Main supply description Name of goods Name of goods (2nd language) Classification decision Incoterm SubVendor Destination Paradip Odisha 754141 IN MWP No Container No	PICK-UP LOCATION: City PICK-UP LOCATION: Address CONTACT DETAILS: Surname CONTACT DETAILS: Name CONTACT DETAILS: Mobile CONTACT DETAILS: Contact DETAILS: Partial shipment n. (SO) CF No. CF No. CF Dated
Pick List: Incoterms & Pick- up Location	PICK-UP LOCATION: PICK-UP LO AFG - AFGHANISTAN PICK-UP LO AGO - ANGOLA CONTACT AIA - ANGUILLA	INCOTERM: Image: CiP - Carriage and Insurance P SUBVENDOR: CIP - Carriage Paid to DESTINATION: CFR - Cost and Freight CIF - Cost Insurance and Freight Image: CiP - Carriage Paid to DAP - Delivered at Place DPU - Delivered at Place Unloa DPU - Delivered at Duty Paid Image: CXW - Ex Works
Validation check: some fields are controlled. A warning will advise in case of wrong format completion	sdsdd "TOSER" SVOBODNY JOBSITE, AMURSKY REGION (RUSSIA	Excel The value entered isn't valid. Data validation criteria have been defined for this cell to restrict the values that can be entered. Learn more Give Feedback Retry Cancel

FILL IN: material area & package area 1/3



First area for Material data

Package	ackage area															
Progres site	Unique colli number	Yendor Package ID	Kind of package	Net Weight	Gross Weight	Length	Width	Heigh t	UoM Dimen sion	Stack able	On Deck Shipme nt	Storage s ym bol	Vacuu B Seale	Dangero 45	Package documen ts	Cargo Handling
-	•	-	-	*	-	-	-	-	-	-	Per te	*	- T-	-	-	-

Second area for Package data

Complete all the fields required. Data allowed in different format: numbers, free text.

Drop down list:

- Country of Origin
- Kind of Package
- Storage symbol
- Stackable
- On Deck Shipment Permitted

FILL IN: material area & package area 2/3

Manage SUBITEMS:

Use "Material Sub item" column:

- 1. For main component row: Leave the value on "No"
 - 2. For subitems rows:
- turn the "Material Sub item" value in "Yes"
- Copy the same "PO position" related to the same Main parent component.

The ordered quantity for PO Position will be counted based on the Main Component quantity.

PO position	TCM Ident code	Mate sub i	erial tem	TAG Commodity code	Quantity	UoM Quantity	Weight per unit	VoM			
	-	-	-	-	-	-	-				
2	111329215	No		AKI30SA12	17418.54	Kg	17418.54	Kg			
2	111329215	Yes		AKI30SA12	1.00	pcs	27.46	Kg			
2	111329215	Yes		AKI30SA12	1.00	pcs	578.01	Kg			
2	111329215	Yes		AKI30SA12	1.00	pcs	788.80	Kg			
2	111329215	Yes		AKI30SA12	1.00	pcs	784.62	Kg			
2	111329215	Yes		AKIBUSA12	1.00	pcs	379.46	Kg			
2	111329215	Yes		AKIBUSA12	1.00	pcs	346.61	Kg			
2	111329215	Vec		AKIBOSA12	1.00	pcs	342.09 461.21	Ka			
2	111329215	Yes		BO position	1.00	TCM	Ident cod		Material	TAG Commodity	0
2	111329215	Yes		PO position		TCIVI	ident cou	e	sub item	code	Quan
2	111329215	Yes									
2	111329215	Yes			-					· 🗸	
î	111220215	Vac	-	2		111	329215		No	AKI305A12	1741
				2		14.	1323213		Vee	AKI303A12	1/41
				2		11.	1329215		res	ANISOSAIZ	1.0

NET Weight for all projects: sum of "Weight per line" in case of same progressive for all the rows.

SAME PROGRESSIVE for all rows: for all the columns relevant to package area, only the first row of every progressive package shall be compiled.



Manage Marks:

Please remember that Marks value and related quantity are subjected to a check when the template will be managed by TCM.

FILL IN: material area & package area 3/3

Manage Commissioning and start-up spare parts IF REQUIRED

Use "ref. to SPIR" column:

 For all the spare parts related to the same PO position please add the same generic description in the "Ref. to SPIR" field

2. In Layout of PL, this description will be highlighted in grey as header to the Spare Parts list

	_		-	Parkage area	
	Manufact	set. in: IPR		Programme	Unique
1	-			1	
				- 2	
				3	
				4	
				5	
		- CONDONSATE TANK / PRECOMMISSIONING, CONVISSIONING & START UP SPARE PARTS FOR TAG FALSUES COMPOSED DV:		5	
		- CONDENSATE TANK / PRECENTINGSIONING, COMMISSIONING & START UP SPIRE PARTS FOR TAG FALSSES COMPOSED BY:		3	
		- CONDONLATE TANK / PRECONTINUESIONING, COMMISSIONING & START UP SPIRE PARTS FOR THE FAILURE COMPOSED BY:		- 5	
		 - CONDEMARTS TANK / PREDOVINGSION/NG, CONVISSION/NG & START UP SPARE PARTS FOR TAG FIGURES COMPOSED BY: 		3	
		- CONSCRIMING TANK / PRECOMMISSIONING, COMMISSIONING & START UP SPINE PARTS FOR TAIS FRUSTED COMPOSED BY			
		 CONCENSATE TANK / PRECOVARIZATION AS, COMPOSITIONAL EDUATE LP SPIKE PARTS FOR TAIL POSITIO COMPOSED IP. 			
		- DINORMALY TAME / PRECOVER DISTORTING, COMPOSITIONE & START OF SPARE PARTS FOR TAIL PROVIDED DIMPOSED BY	_		
		- DONORIANY TAKE / PRODUMINIOUNAL, COMPONING & STATL P SPAR PARTS FOR TAKE HOUSE COMPONED BY	-		
		COND-MULTI-TAME / PRECOMMUNICATING, CONVOSIDIANG & CAUT UP UPUB PAILS FOR TAG FUICES COMPOSID #1			
		-CONDENSATE TANK / PRECOVERSIONING, CONVERSIONING & START UP SPARE PARTS FOR TAG FAILURE COMPOSED BY			
		CONDINIARY TANK / PRICONVISIOUNG, CONVISIOUNG & START UP SPARE PARTS FOR TAG FASEISI COMPOSED BY:			
		CONDUMERT TASK / PREDOUTING CONVINCE CONVINCE & START OF SPACE PARTS FOR TAG PAISSON CONFORD BY		-	
		CONTRACT TAME PREDOFFICIATION CONVERTIGATION AS & STATE OF SPACE PARTS NOT TAG FAILURE CONFOSID BY:			
		CONDUMERTS TANK / PRECOMMENDATION, COMMISSIONING, START OF TRACE ARTS FOR TAG FAILURE COMPOSID BY:			
		CONTRACTOR OF A DESCRIPTION OF A DESCRIP			
		- CONDUCTION A THIN / PRECOMMENDATION CONTRACTORING & START OF SHARE FARTS FOR THE FACTOR CONTRACTOR OF THE CONTRACTOR O			
		Twittenting a construction of the second and the second and the second			

PO Pos.	TCM Ident code	Unit	Quantity	Material description	Unit Weight
Pozycja	Inicjały	Jednostka	Ilość	OPIS MATERIAŁU	Waga jednostkowa
3	1-2957953	PIECES	1	H413201 - DISSOLVING TANK AGITATOR	1389.00
3	1-2957953	PIECES	1	H413201 - DISSOLVING TANK AGITATOR / INTERMEDIATE SHAFT	165.00
3	1-2957953	PIECES	1	H413201 - DISSOLVING TANK AGITATOR / LOWER SHAFT	120.00
3	1-2957953	PIECES	1	H413201 - DISSOLVING TANK AGITATOR / UPPER IMPELLER	18.00
3	1-2957953	PIECES	1	H413201 - DISSOLVING TANK AGITATOR / LOWER IMPELLER	108.00
				DISSOLVING TANK AGITATOR / PRECOMMISSIONING, COMMISSIONING & START UP SPARE PARTS FOR TAG H413201 COMPOSED BY:	
3	1-2957953	PIECES	6	H413201 - PACKING 16 x 16	0.20
3	1-2957953	PIECES	4	H413201 - SCREW M12 x 45 + WASHER	0.20
3	1-2957953	PIECES	4	H413201 - SCREW WITH NUT M20 x 120 + DOUBLE WASHER	0.40
3	1-2957953	PIECES	4	H413201 - SCREW WITH NUT M20 x 120 + DOUBLE WASHER	0.40
3	1-2957953	PIECES	4	H413201 - STOP DOWEL M12 x 40 + NUT	0.25
3	1-2957953	PIECES	4	H413201 - STOP DOWEL M12 x 40 + NUT	0.25
3	1-2957953	PIECES	4	H413201 - BOLT M18 x 90 + DOUBLE WASHER	0.30
3	1-2957953	PIECES	4	H413201 - STOP DOWEL M16 x 50 + NUT	0.20
3	1-2957953	PIECES	4	H413201 - STOP DOWEL M16 x 50 + NUT	0.20

Please ensure with your project contact if there are any specific project requirements.

HOW TO UPLOAD

THE TEMPLATE

AN MAIRE

UPLOAD the template filled in

1. Go to Vendor Document Management Portal - MAIRE referent will provide you with the access link to your own Vendor portal for a specific project

2. In the left vertical menu, expand Packing List section

- 3. Choose between Preliminary SmartPL and Final SmartPL folders
- 4. Click Upload button
- 5. Choose Files option
- 6. Select file to upload
- 7. Your file will be visible with PENDING status

8. When the file has been processed the status turns into TRANSMITTED

9. Wait an email notification to check if the upload has been successful or failed



Uploaded files are processed every 30 min. at H00.30 at the end, you will receive an email with the outcome of the upload.

File processed result: SUCCESSFUL

1. Click on link of the email notification or go directly to Vendor Document Management Portal

2. In the left vertical menu, expand Packing List section

3. Choose Processed folder: here you can find the deliverables:

• PL both in xlsx & pdf

ML both in xlsx & pdf

To download the file:

- i. Select the file
- ii. Click on "..." and choose the function





Dear User, File SmartPL 7500091973 K4CER v07 PL004 TestTALVDM.xlsx has been succesfully processed.

Access to "Processed" folder here to retrieve deliverables: link

Best Regards



Please refer to your project contact for further actions to be done after successful upload and PL downloading

File processed result: failed

1. Go to Vendor Document Management Portal

2. In the left vertical menu, expand Packing List section

3. Choose Failed folder: here you can find the input file with errors reported by the system.

For error handling refer to next slide.

To download the file:

- i. Select the file
- ii. Click on "..." and choose the function

	© ← Reply ≪) Reply All
To Our Cloud System User		
ear User, e SmartPL 7500091973_K4CER v	/07_PL004_TestTALVDM2.xlsx has not been succesfully processed for the following reason: Excel file not rec	ognized
cess to "Failed" folder here for d	etailed information on integrations / corrections to address: <u>link</u>	
oon Error messages addressing,	please proceed with uploading for reprocessing.	
est Regards		
0000000		
0000001	Failed III V	
0000002	Name \vee	Modified \smallsetminus
0000003	SmartPL 7500090402_QW5C6 v07_PL010_with error-poc_VDM-E54_20230210095545.xlsx	February 10
vision Folder Dashb	SmartPL 7500090402_K4CER v07_PL009_wrong template code-poc_VDM-E54_20230210110501.xlsx	February 10
00064974	SmartPL 7500090402_QW5C6 v07_PL009_rev already present-poc_VDM-E54_20230210110503.xlsx	February 10
king List	Wrong Naming SmartPL 7500090402_QW5C6 v07-poc_VDM-E54_20230210120500.xlsx	February 10
Prelim SmartPL	SmartPL 7500091973_K4CER v07_PL003_heavy-poc_VDM-E54_20230210140511.xlsx	February 10
Final SmartPl	SmartPL 7500090402_374NW v06-poc_VDM-E54_20230213090501.xlsx	February 13
Processed	SmartPL 7500107479_2QIWF v07-poc_VDM-E54_20230213160523.xlsx	February 13
Failed	SmartPL 7500108865_ROUV4 v07-poc_VDM-E54_20230214150500.xlsx	February 14
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ML 7500103958_0004 rev02.pdf

HOW TO HANDLE

ERRORS

ERRORS HANDLING

6	A Classification Resolution ID	В	С	D	E F		 •-39 039 6241287	J K	L M	Comments ×
7	INCOTERM:	FAS - Free Alongside Ship				CONTACT DETAILS	prova@gmail.com			
8	SUBVENDOR:					PL issue date	: 11/27/2019			t New
9	DESTINATION:	"TOSER" SVOBODNY JOBSIT	TE, AMURSKY	REGION (RU	SSIAN FEDERATION	SVOBODNY 676450 RU				
10										S System
11										Total weight per unit must be equale to
12	Material area									net weight for the same progressive
									Classifica ion	number
	PO position	TCM Ident code	Quantity	UoM	Weight UoM Weig	ht Description 2nd	MARK	DRUM HS Code	tion decisio	@mention or reply
				Quantity	per unit	language			Position 2nd	
13	-	-	-	-	- 	• •	· .	-	🗾 langua	S System Y14
14	4	144914891	2.00	pcs	0.20 Kg	FVMQ Diaphra, FVMQ Диа	рагма SM 100, 3И	84819000)	Value must be greater than new weight

Yellow cells (for counting errors): click on the red mark on the corner to see the pop-up instruction on the right.

Package a	rea						8			
Progessiv e	Kind of package	Net Weight	Gross Weight	Length	Width	Height	UoM Dimensio n	Stackable	On Deck Shipment Permitted	Storage symbol
	•	-	-	-	-	-	-	-	-	•
1	3 - Case	913.00	1140.00	196.00	126.00	102.00	cm	Yes	No	Store under protective roof
3	3 - Case	619.00	618.00	196.00	126.00	102.00	cm	Yes	No	Store under protective roof
4	3 - Case	768.00	993.00				cm	Yes	No	Store under protective roof
3	3 - Case	619.00	758.00	196.00	126.00	102.00	cm	Yes	No	Store under protective roof
4	3 - Case	768.00	993.00	196.00	126.00	102.00	cm	Yes	No	Store under protective roof
3	3 - Case	619.00	758.00	196.00	126.00	102.00	cm	Yes	No	

Red cells (for mandatory fields or constraint overcome): click on the pop up to retrieve clarification about the error.

04

FAQ

Content

#	How to solve
1	Value not found in original order template
2	Missing mandatory fields for the progressive value
3	Value must be a number. Use"." to separating decimal values
4	Length cannot be less than zero
5	Total weight per unit must be equal to net weight for the same progressive number
6	Arithmetic overflow error converting nvarchar to data type numeric
7	Error converting data type nvarchar to decimal

The critical error "Value not found in original order template" occurs if the UoMQuantity field doesn't contain the same value of the PO position in SAP

SOLUTION

If it's required to insert in IoT4MET a UoM different from the one present in the SAP PO position: it's necessary to fill in the column Material sub item with Yes in the SmartPL.

Material area	Material area											
PO position	TCM Ident code	Material sub item	Sales Order Subitem	TAG Commod ity code	Unit Plant	Quantity	UoM Quantity	2nd Quantity	2nd UoM Quantity	Weight per line	UoM Weight	
1	155968793	Yes		17-L-071		10.1	М			550.25	kg	
1	155968793	Yes		17-L-071		10.1	М			550.25	kg	
2	155968754	No		17-L-071		10.1	М			550.25	kg	

Please note that the Total weight per unit must be equal to net weight for the same progressive number: populate the column Sub Item=Yes for each row of the same progressive number.

2. MISSING MANDATORY FIELDS FOR THE PROGRESSIVE VALUE

ERROR

The critical error "Missing mandatory fields for the progressive value" occurs if same mandatory fields are missing for Package area (coloumns AJ-AZ of smartPL).

SOLUTION

1. Check that all mandatory fields (grey cell) are filled in;



2. Be sure that mandatory columns (grey cell) are populated <u>at least</u> on the first row of each progressive;



The critical error [Value must be a number. Use "." for separating decimal values] occurs if you use "," (commas) to separate the decimal value.

SOLUTION

Please check inside Excel Options if:

- You are using the "." for separating decimal value;
- You are using English as language for Excel tool;
- You have set the point as decimal separator

Excel Options			? ×
General Formulas	Set the Office Language Preference	es	
Data	Office display language		
Proofing	Buttons, menus, and other controls will sho	w in the first available language on this list. $^{(1)}$	
Save	1. Match Microsoft Windows [English]	<preferred></preferred>	Movellp
Language	 English Italian [italiano] 		Move Down
Ease of Access			Set as Preferred
Advanced			gerus meleneu
Customize Ribbon	Install additional display languages from 0	Office.com	
Quick Access Toolbar	Office authoring languages and proofing		
Add-ins Trust Center	Manage languages used for creating and e grammar check.	diting documents, including proofing tools such as s	spelling and
	English (United States) <preferred></preferred>	Proofing installed	Add a Language
	Italian (Italy)	Proofing installed	Barraya
			Set as Preferred
	Install additional keyboards from Window	<u>s Settings</u>	

The critical error "Length cannot be less than zero" occurs if the Template file name has been changed after downloading.

SOLUTION

Please restore the file name Template as it was just downloaded. If you need to change it, you can add the details at the end of title.

For example:

Template name: SmartPL 7500090456_XA3BK v06 Wrong renamed Template: Copy of SmartPL 7500090456_XA3BK v06 Right renamed Template: SmartPL 7500090456_XA3BK v06_Copy

The critical error "Total weight per unit must be equal to net weight for the same progressive number" occurs if the total weight per unit is different from the net weight.

SOLUTION

Select "Material sub item=Yes" for all the rows relevant to the same progressive number (package).

Material area			Package area
PO position	TCM Ident code	Material sub item	Progressive
1	155968793	Yes	1
1	155968793	Yes	1
1	155968793	Yes	1
1	155968793	Yes	1
1	155968793	No	2
1	155968793	No	2
1	155968793	No	2

The critical error "Arithmetic overflow error converting nvarchar to data type numeric" occurs if you have entered nonnumeric values into a numeric field

SOLUTION

Please verify all columns and check if there are non numeric values into a numeric field

7. Error converting data type nvarchar to decimal

ERROR

The critical error "Error converting data type nvarchar to decimal" occurs if you have deleted or added columns to the input file, compared to the template originated by the system.

SOLUTION

Please compare the original system-generated template with the template you are trying to upload and verify that they have the same number of columns. If not, add or remove the columns as per the original template.

APPENDIX 1: EMAIL NOTIFICATION SAMPLES

AN MAIRE

EMAIL NOTIFICATIONS

Email for SmartPL processed successfully



Email for SmartPL Failed



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