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1 Summary of changes with ASN(new) affecting the CSV ASN Upload

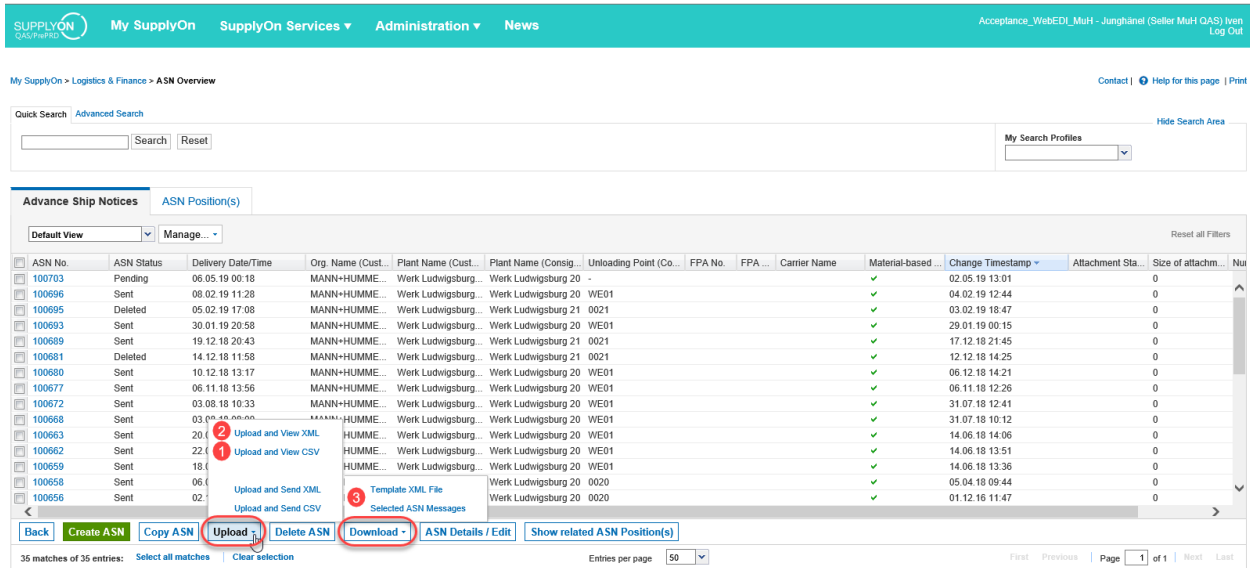
Due to ASN(new) requires some additional validations for packed ASN, the current CSV Uploads needs to be adapted for the following properties:

Property	Change	Solution
ASN No. [Column 97]	With the old ASN it was possible to upload only delivery note items and combine them later manually to ASNs. With ASN (new) this "combine later on possibility" is not available anymore.	Activate SupplyOn Auto assign of ASN No. if this value is not uploaded in column [97]. Compare 7.2.
Label No. [column 87,88]	Needs to be distinct overall packages in one ASN. To fill the inner dummy packing level with valid label numbers, the SupplyOn auto assign needs to be activated.	Activate SupplyOn Auto assign of Label No. Compare 7.2.
MIXED LOAD HU	In ASN(old) mixed load HUs could specified in an one level packing with manual assignment of same label no to different packing lines.	Bosch AA Europe an ASEAN will generally switch to two level packing / Assign inner packing lines to HUs.
Order Item No. [column 13]	Until now, the order item number of the customer only had to be uploaded in case of ASN based on purchase orders. For ASN (new), this reference value must to be uploaded always. So also for ASN based on delivery instruction (SA) or Kanban calls or for VMI demand. The encountered order item number for delivery instructions from Bosch plants is currently oftentimes the "-". Therewith the "-" in the 13th column of the CSV upload has to be uploaded in order to enable the demand determination.	Include in your demand import / packing list export in case not already done.

With that adaption, the direct upload of the Label No. (Package ID) of the HUs is now supported with the CSV Upload. Also the specification of different delivery note items to mixed load HUs is supported by the CSV Upload.

1.1 New entry point for ASN Upload and in addition to CSV also XML now possible

The entry for the ASN upload has changed to ASN (New) | ASN Overview (all).



1 "Upload and View (CSV)" respectively "Upload and Send (CSV)" corresponds mostly to the previous upload option.

2 "Upload and View (XML)" respectively "Upload and Send (XML)" is a new possibility to upload ASN. The format description for uploading XML files can be found in the Online Help under Download Upload Formats.

3 The "Template XML file" or an XML example file of a manually created ASN can be downloaded under the "Download" button.

Attention: Only with the new XML Upload, you can upload **all** fields in all levels which are available in ASN(new) without any restriction.

2 Different ASN(new) requirements between Bosch AA Regions

The different Regions of Bosch Automotive Aftermarket have different requirements related to the ASN which affects the ASN Upload. Therefore we provide attached three different Excel Templates for the CSV Upload.

Property	AA ASEAN (PCD)	AA EUROPE (P38/P74)	AA AMERICAS (P39, PS0)
Plant Code Consignee	5640, 8540, 9622, 9631, 66A1, K25C, K554, K556, W047, W048, W049, W050, W051, W053, W057, W058, W059, W060, W061, W062, W063, W065, W066, W067, W068, W069, W070, W071, W073, W092, W094, W200, W205, W210, W211, W215, W216, W217, W220, W221, W222, W223, W224, W225, W226, W227, W228, W229, W230, W235, W250, W251, W252, W285, W300, W901, W902, W903, W904, W905, W907, W908	0720, 0723, 2171, 9391, E16C, E804, E806, E807, E860, E890, E939, K210, K250, K390, K510, K960, K978	6832, 904A, 929A, 929B, 929D, 929E, 929P, W206
Production date	mandatory	optional	optional
PACKED ASN	Yes / TWO Level	Yes / TWO Level	No
HU Dimensions	mandatory	optional	optional
Upload Template	AA ASEAN ASN CSV Upload template.xlsx	AA EUROPE ASN CSV Upload template.xlsx	AA AMERICAS ASN CSV Upload template.xlsx

3 CSV Upload design for packed ASN (AA ASEAN & AA EUROPE)

- (1) AA is only focusing on HU Level – HU Label.
- (2) To build MIXED HU (mixed materials / mixed order items / mixed production date) we need to go over the definition of the inner packages (in SupplyOn called Single pack).
- (3) Due to the inner package level is not required in detail, it is sufficient to define this level as a "tool" to split the quantities of delivery note Items (originally order items) in so many different pack quantity portions, like later are needed to be assigned to different HUs.

But the inner package level of one delivery note item can in the CSV Upload in maximum hold only two different pack portions for the later on assignment to different HU. If the original order quantity needs to be assigned to more than two HU, than the split needs already be done on delivery note item level.

Scenario Max split into pack portions for MIXED HU creation					
Max Split	Order item	Delivery note item	Inner package "DUMMY" item	assign	HU item
= 2	A	A	Aa	→	HU1
			Ab	→	HU2
	B	B	Ba	→	
> 2	A	A1	A1a	→	HU1
			A1b	→	HU2
		A2	A2a	→	
	B	B	Ba	→	
	C	C	Ca	→	HU3

- (4) For AA ASEAN, with the <Production date> (Manufacturing date (MFD)) mandatory, it is important to know, that the Bosch ERP system can process only one <Production date> per delivery note item. Therefore it is necessary to define an split hierarchy like:
 - a. Split the order item in so many different delivery note items, like different <Production dates> occur for this quantity
 - b. In case this <" homogeneous-<Production date>" delivery not items> need to be packed in different HU, than either split in the "inner package" until two portions or greater than two again on delivery note item level.

Scenario Max split into pack portions for MIXED HU creation inclusive MFD					
Max Split	Order item	Delivery note item < Max. Prod. date =1>	Inner package "DUMMY" item	assign	HU item
= 2	A	A1 (MFD A1)	A1	→	HU1
		A2 (MFD A2)	A2	→	HU2
	B	B1 (MFD B1)	B1	→	
> 2	A	A1 (MFD A1)	A1	→	HU1
		A2 (MFD A2)	A2	→	HU2
		A3 (MFD A3)	A3	→	
	B	B1 (MFD B1)	B1	→	
	C	C1 (MFD C1)	Ca	→	HU3

(5) The CSV Upload has also like in ASN(old) in ASN(new) the restriction, that the values for the field Label No (Package ID, Handling unite ID) can be only uploaded for two level packed HUs. Therewith it makes sense, to build also for homogeneous HUs the <inner package "DUMMY" items>.

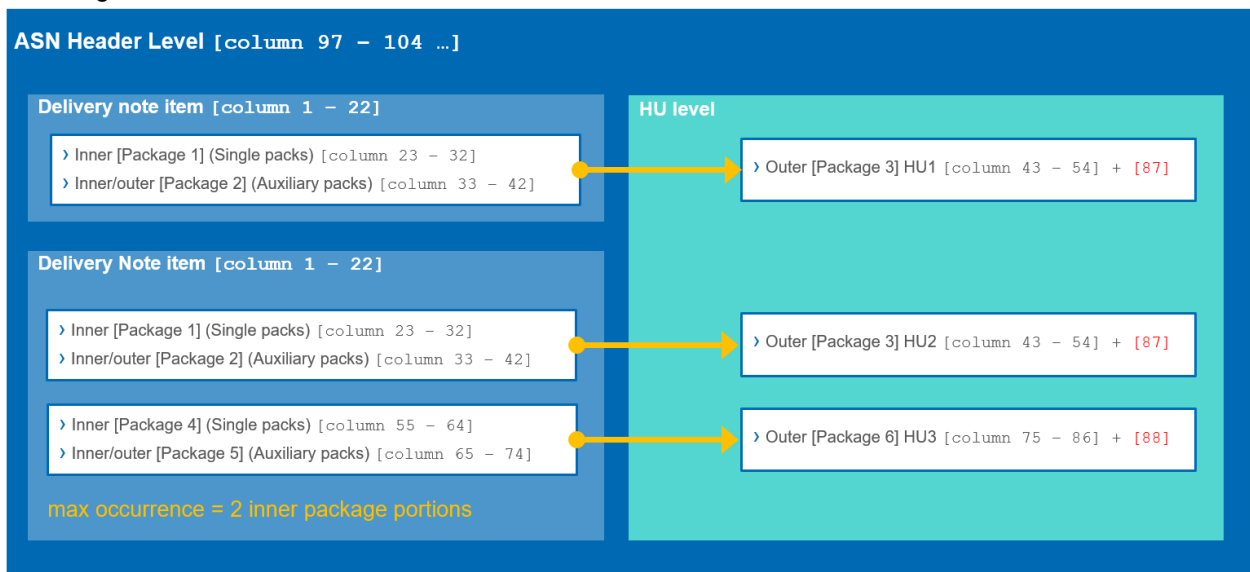
1	2	3	4	5	6	7	8	9	10	11	12	13
Delivery Note Number	Delivery Note Position	Buyer No	Buyer plant id	Unloading Point	Delivery Note Date	Supplier id	Buyer Article Number	Article Description	Order No	Quantity	Unit of measure	Order Item
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Conditional	Mandatory	Mandatory	Mandatory	Mandatory
From Supplier	From Supplier	From Demand	From Demand	From Demand	From Supplier	From Demand	From Demand	From Demand	From Demand	From Supplier	From Demand	From Demand
Delivery Note Item layer												
1757	27	BOSCH	K250	DK250	20191014	000125742	1987477122810	Brake Cable	65022306/050	10	EA	-
1757	43	BOSCH	K250	DK250	20191014	000125742	1987477136811	Brake Cable	65022317/110	150	EA	-
W	X	Y	Z	AA	AB	AC	AD	AE	AF			
Buyer Part No. for Package 1	Seller Part No. for Package 1	Quantity Package 1	Filling Quantity Package 1	Tara Package 1	Length Package 1	Width Package 1	Height Package 1	Gross Weight Package 1	Package Type Code Package 1			
Conditional	Conditional	Mandatory	Mandatory	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional			
From Supplier	From Supplier	From Supplier	From Supplier	Single Pack 1 (Box/KLT)								
757002	5001757002	1	10	HU 1								
1757006	5001757006	1	100	HU 2								
AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	
Buyer Part No. for Package 3	Seller Part No. for Package 3	Quantity Package 3	Tara Package 3	Length Package 3	Width Package 3	Height Package 3	Gross Weight Package 3	Stackability Truck 3	Stackability warehouse 3	Package Type Code Package 3	Handling Unit Description Package 3	
Conditional	Conditional	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Conditional	Conditional	Conditional	Conditional	
From Supplier	From Supplier	From Supplier	From Supplier	From Supplier	From Supplier	From Supplier	From Supplier	Handling Unit 1 (pallet)				
1757002	5001757002	1					111.890	HU 1				
1757006	5001757006	1					130.050	HU 2				
BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL			
Buyer Part No. for Package 4	Seller Part No. for Package 4	Quantity Package 4	Filling Quantity Package 4	Tara per Package 4	Length Package 4	Width Package 4	Height Package 4	Gross Weight Package 4	Package Type Code Package 4			
Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional			
Single Pack 2 (other Box/KLT)												
1757010	5001757010	1	50	HU 3								
BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	
Buyer Part No. for Package 6	Seller Part No. for Package 6	Quantity Package 6	Tara per Package 6	Length Package 6	Width Package 6	Height Package 6	Gross Weight Package 6	Stackability Truck 6	Stackability warehouse 6	Package Type Code Package 6	Handling Unit Description Package 6	
Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	
Handling Unit 2 (pallet)												
1757010	5001757010	1					100.560	HU 3				
CI	CJ											
87	88											
Handling Unit ID Package 3	Handling Unit ID Package 6											
Mandatory IF MIXED LOAD	Conditional											
From Supplier	From Supplier											
Handling Unite 1 (pallet)	Handling Unite 2 (pallet)											
1757002	1757010											
1757006	1757010											

4 Understanding of the CSV Upload packing structure

The naming Package 1 until Package 6 correspond to the SupplyOn CSV Upload Guideline in the online help.

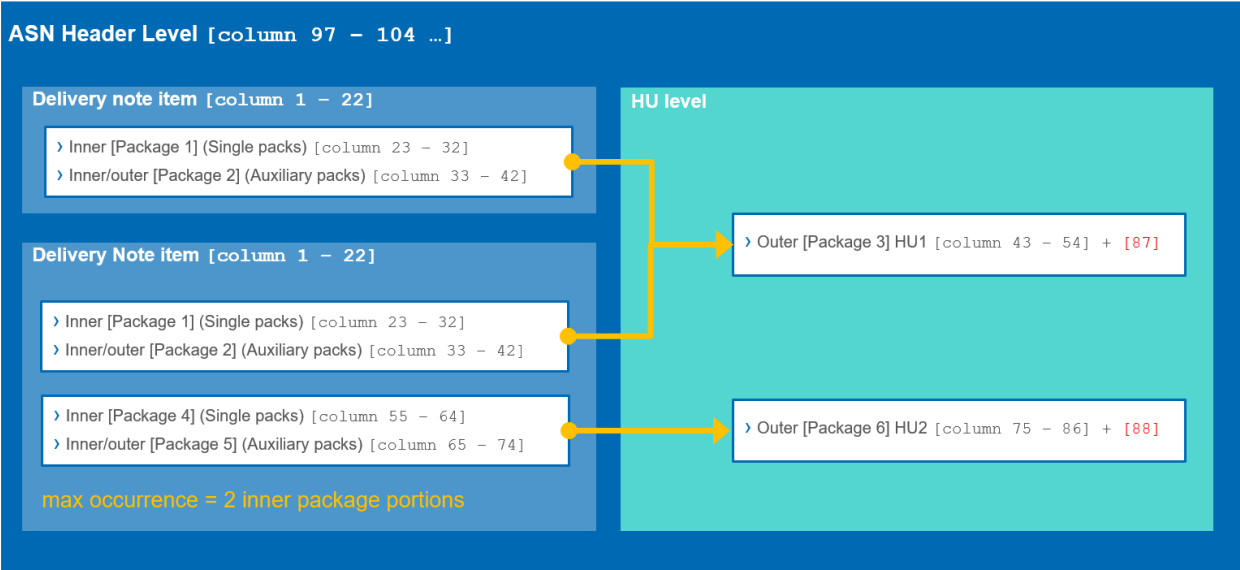
4.1 Homogenous HU

Handling Unite ID column [87] / [88] has different values



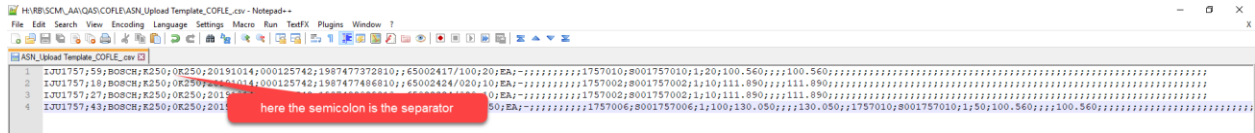
4.2 MIXED HU

Handling Unite ID here column [87] has the same value

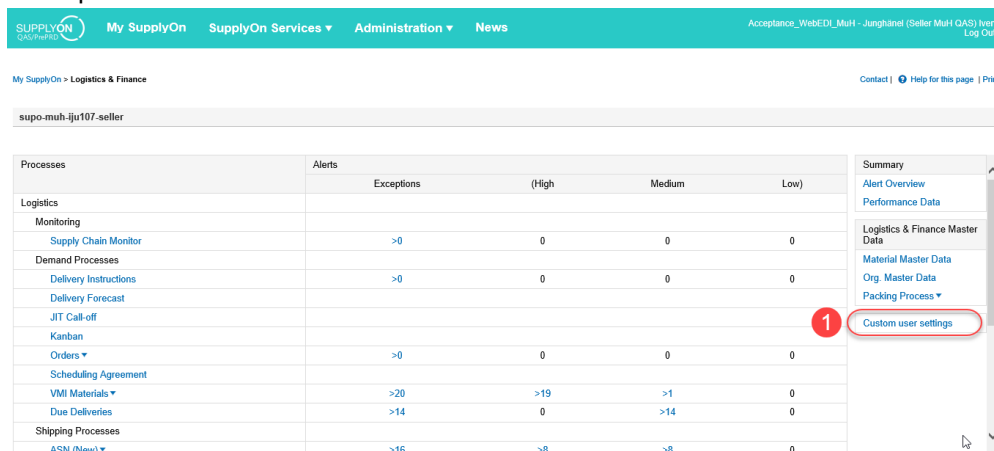


5 Take care of the correct format settings in SupplyOn for CSV download and upload

.CSV is on the end a plain text file where the field separator needs to be defined and the processing portal needs to know, which separator you are using for the upload and you want to use for the download. In case, you create the CSV Upload files directly in Microsoft Excel, than it also depends of your Microsoft Office localization settings, if your saved csv file includes "," or ";" as field separator. If you don't know with which separator your saved CSV file is filled, please use an simple text editor program to find this out.



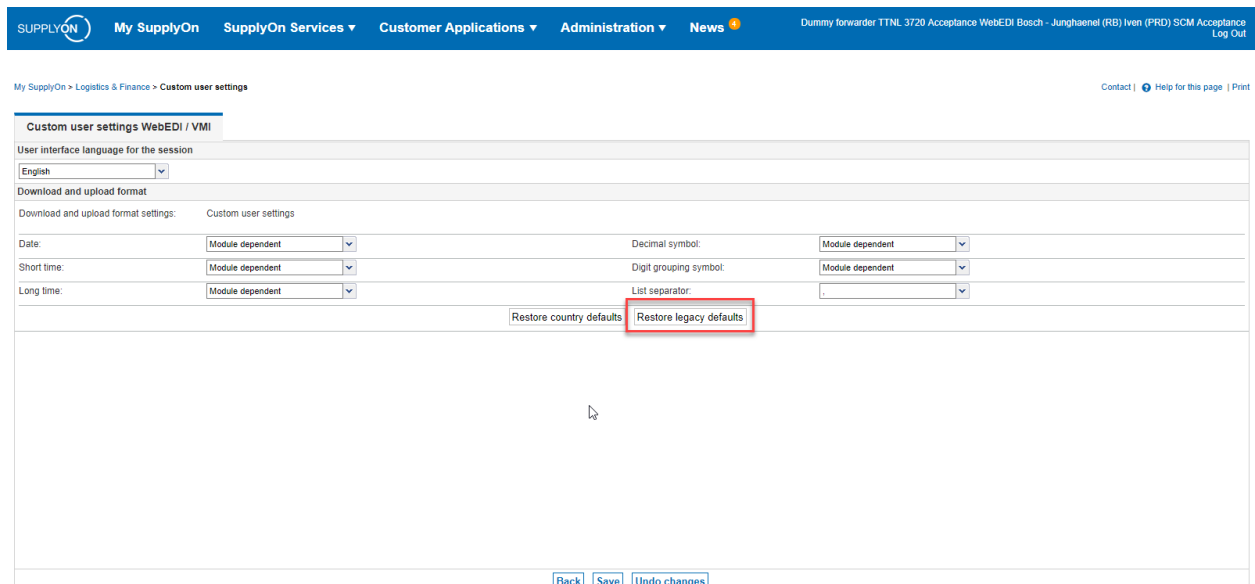
SupplyOn offers on the WebEDI / VMI homepage, the menu item **"Custom user settings"** on the right side of the screen, that you can define the format settings you need for your SupplyOn CSV Downloads and Uploads.



There you can set exactly the format definitions as you use them for your ASN upload (and demand download) files.

SupplyOn Default (old settings):

With the **"Restore legacy defaults"** button, you can always switch back to the "old" standard, which corresponds to the format specifications in the [SupplyOn Help » Logistics & Finance» Help on pages] » Download and Upload Formats.



7.1 One delivery note per dispatch (yes / no)

Additional Data	
WebEDI: Time horizon planned delivery	60
Measure of weight (Legacy ASN)	
Measure of length (Legacy ASN)	
Attribute 4	
Attribute 5	
Label DIN A6 Paper	
Maximum invoice amount	
Format for DELFOR-IMO msg.	EDIFACT
Attribute 9	<input type="radio"/> yes <input checked="" type="radio"/> no
Digital signature	<input type="radio"/> yes <input checked="" type="radio"/> no
One delivery note per dispatch	<input type="radio"/> yes <input checked="" type="radio"/> no
Label DIN A5 Paper	<input type="radio"/> yes <input checked="" type="radio"/> no
Role of Control Point	Seller
Mandatory fields are marked with *	
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

"No" is the SupplyOn default setting and means, that you can include in one ASN (header level) different delivery notes on position level. (Different delivery note numbers).

ASN No.	100700	ASN Date	24.02.19	FPA No.:		FPA Status:	New								
Company Name (Customer): MANN+HUMMEL GMBH, Werk Ludwigsburg Ship-to-Location: 0020 / Werk Ludwigsburg 20 Unloading Point (Consignee): -															
<input type="button" value="Select ASN Positions"/> <input type="button" value="Assign Pack. Material to HU"/> <input type="button" value="Complete ASN"/>															
Harald View Manage... Reset all Filters															
Line	Del. Note No.	Del. Note Pos.	Material No. (Customer)	ASN Creation Due...	Proposed ...	Delivery ...	UoM	Warn...	Pack...	Pack.Mat...	Packing Profile	Batch No.	Eng. Chan...	Order No.	Ordc
1	45896	010	1020474S01	29.06.18 22:00	718 843	718 843	EA			Details	<manual data entry>			5500100827	10
2	45897	010	1020474S01	29.06.18 22:00	0	0	EA			Details	<manual data entry>			5500100827	10

If you switch this setting to "yes", then ASN Number and Delivery note number will be equalized in the frontend mask to one field on header level.

ASN No. / Del. Note No.	100701	ASN Date	24.02.19	FPA No.:		FPA Status:	New							
Company Name (Customer): MANN+HUMMEL GMBH, Werk Ludwigsburg Ship-to-Location: 0020 / Werk Ludwigsburg 20 Unloading Point (Consignee): -														
<input type="button" value="Select ASN Positions"/> <input type="button" value="Assign Pack. Material to HU"/> <input type="button" value="Complete ASN"/>														
Harald View Manage... Reset all Filters														
Line	Del. Note Pos.	Material No. (Customer)	ASN Creation Due...	Proposed ...	Delivery ...	UoM	Warn...	Pack...	Pack.Mat...	Packing Profile	Batch No.	Eng. Chan...	Order No.	Order Pos.
1	010	1020474S01	29.06.18 22:00	718 843	718 843	EA			Details	<manual data entry>			5500100827	10
2	020	1020474S01	29.06.18 22:00	0	0	EA			Details	<manual data entry>			5500100827	10

7.2 Auto assign numbers (like ASN no. or Label no.)

Further Logistic Data	
FPA number	<input checked="" type="checkbox"/> Auto assign Start Number: 100000
ASN number	<input checked="" type="checkbox"/> Auto assign Start Number: 100106
Label number	<input checked="" type="checkbox"/> Auto assign Start Number: 300305
FPA number (SLOPE)	<input checked="" type="checkbox"/> Auto assign Start Number: 400001
Invoice number	<input checked="" type="checkbox"/> Auto assign Start Number: 500001
Additional Data	

7.2.1 ASN Number

With each ASN you are creating, SupplyOn will prefill the ASN no. with the next higher value than the last ASN based on the start number you set.

ASN No.	100703	ASN Date	24.02.19	FPA No.:		FPA Status:	New								
Company Name (Customer): MANN+HUMMEL GMBH, Werk Ludwigsburg Ship-to-Location: 0020 / Werk Ludwigsburg 20 Unloading Point (Consignee): -															
<input type="button" value="Select ASN Positions"/> <input type="button" value="Assign Pack. Material to HU"/> <input type="button" value="Complete ASN"/>															
Harald View Manage... Reset all Filters															
Line	Del. Note No.	Del. Note Pos.	Material No. (Customer)	ASN Creation Due...	Proposed ...	Delivery ...	UoM	Warn...	Pack...	Pack.Mat...	Packing Profile	Batch No.	Eng. Chan...	Order No.	Ordc
1		010	1020474S01	29.06.18 22:00	718 843	718 843	EA			Details	<manual data entry>			5500100827	10

7.2.2 Label Number

With each ASN you are creating, SupplyOn will calculate and prefill the Label No. with the next higher values than already used in the last ASN based on the start number you set. This label number calculation is valid for all package levels (single pack and handling unite).

Due to most of the labels use this value as Package ID, you should print the labels in SupplyOn to get the same values on the label printed like send in ASN.

Pecking Material Details (Single and Auxiliary Packs)

Material 1/1 Previous Item Next Item Material No. (Customer): 1020474S01 Delivery Qty.: 718843 Packed Quantity: 2000

Iven View Manage... Reset all Filters

Pack.Mat No. (Cust.)	Amount of...	Qty. per Pack	One Level Pack.	Label Ident	Label No. From	Gross Weigh...	Tare per Pack (kg)	Packing Type	Label Size	Prod. Date
x	20	100		S	352149					

Handling Units

Default View Manage...

HU Pack.Mat No. (Cu...	HU Gross...	Length H...	Width ...	Height HU...	Label No. HU
45896					352170
45896					352169