Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
Introduction :										
About the Despatch Advice										
The O2C DESADV MIG enables a **uniform implementation** of the EDI despatch advice										
for all actors in the Belgian Luxembourgish Fast Moving Consumer Goods sector.										
Note that the MIG is fully compliant to **EANCOM 2002** but much more refined/precise.										
GS1 Belgilux recommends to use the O2C DESADV **in combination with the GS1 logistic label** (containing the SSCC of the logistic unit).										
This allows to match the 'physical flow of goods' (marked with SSCC) to the 'flow of information' (DESADV containing the SSCC),										
ensuring reliable track and tracing and faster reception processes.										
The DESADV hierarchically describes the content per **logistic unit (uniquely identified with SSCC)**. (= Structure option 3).										
Or, when applicable, the content per **serialized crate (uniquely identified by sGRAI) per logistic unit (SSCC)**. (= Structure option 4).										
Abbreviations:										
- **MIG** = Message Implementation Guideline										
- **DE** = Data Element										
- **SG** = Segment Group										
Columns:										
The following columns are present throughout the MIG:										
1. Segm.# (Segment number) :				as in “full” EANCOM 2002 DESADV message						
2. Segm. (Segment tag) :				as in EDIFACT / EANCOM 2002 DESADV message						
3. *(if present)* **Composite DE** :				"						
4. DE (Data Element Number):				"						
5. DE name :				"						
6. MaxUse :				"						
7. Belgilux: Describes the status of each **segment** and **DE** for the O2C DESADV MIG.										
- **Segment status**: A segment is either 'M' (mandatory) or 'C' (conditional).										
Each mandatory segment has an explicit '**M**' indicated in the Belgilux column. This implies that the segment **has to be** mentioned.										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
Conditional segments of which the Belgilux column is intentionally left **blank,** are mentioned when it's relevant to do so. (E.g. #27 PCI to announce the SSCC).										
Conditional segments that have '**C**' in the Belgilux column, are only to be used when the condition/dependency (specified in the segment note below) is met. (E.g. #39 FTX).										
- DE status: A DE is either 'R' (required), 'D' (dependent), 'O' (optional) or 'N' (not used).										
Required (R) DEs **have to be** mentioned (provided the segment is used).										
Dependent (D) DEs **have to be** mentioned in case the condition/dependency (specified in the segment note below) is met.										
Optional (O) DEs **may** be mentioned if the supplier wishes to do so, but may as well stay empty (= be skipped).										
Note: DEs with status 'N', or which are not withheld in the scope of this MIG, are not to be used. These DEs are										
in grey, or cross-hatched to stress their non-occurring and for improved user comfort.										
8. Value:										
- The DE either has a **predefined value** (from code list 'Data Elements & Code Sets directory - EANCOM 2002 edition 2012')										
- or a value filled out as **<..>** because it is different each time (e.g. dates, document number, …).										
Similarly, all GS1 Identification Keys have already been filled in as **<GTIN>** or **<GLN>**.										
- Note that the (predefined) values taken up in this MIG are considered to **cover all user requirements** for the Belgilux Fast Moving Consumer Goods sector.										
That is why, unlike EANCOM, this MIG does not take up the notions "open" and "restricted" code lists, since all relevant codes are already explicitly defined in the MIG.										
9. DE type :				as in EDIFACT / EANCOM 2002 DESADV message						
10. DE length :				compliant to EDIFACT / EANCOM 2002 DESADV but in some cases more restricted						

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
Log of Changes:										
v1.1	01 Feb 2016		- UNB DE 0026 Status changed from O to R to always indicate as an Harmonized message							
v1.0	01 Aug 2015		- UNB DE 0026 value added.							
			- NAD (#9) DE 3035 code value UC added (for cross docking -only 1 ultimate destination- to have the same approach in the order & the DESADV)							
			- LOC (#43) recommendation specified to only use in case of transshipment (= 'n' ultimate destinations)							
v1.0	01 Jan 2014		Release of the harmonized O2C DESADV. Discrepancies in regards to IDEAL DESADV v1.3 (of 01/05/2012):							
			- UNB and UNZ added. UNB DE 0026 values deleted.							
			- For each segment, status specified.							
			- For each DE, status of each code value specified. For every code value with status 'D', requirement/condition specified.							
			- BGM (#2) DE 1001 code value 35E deleted.							
			- RFF (#7) DE 1153 code values AWT, VN and AAO added. Code value ABT deleted.							
			- RFF (#7) recommendation specified in case no order number is available.							
			- DTM (#8) added.							
			- NAD (#9) DE 3035 code values SH and UC deleted, recommendations specified.							
			- TOD (#14) added.							
			- TDT (#16) deleted.							
			- PAC (#23) DE 7065 several code values added. (14/2/14: Code value FW and CW deleted because not relevant anymore).							
			- MEA (#24) DE 6411 code values LTR and MTR added. DE 6313 code values AAF and TC deleted and DE 6411 code value CEL deleted.							
			- PCI (#27) DE 4233 code values IEAN and 34E deleted.							
			- DTM (#29) DE 2005 code value 36 deleted.							
			- GIN (#30) DE 7405 code values RTN and RTS replaced by respectively DA and DB. Code value SRV deleted.							
			- PIA (#32) DE 7143 code value XZ5 replaced by SUE. Code values SA and BP added. Code value PV not withheld.							
			- MEA (#34) DE 6411 code values LTR and MTR added.							
			- QTY (#35) DE 6063 code value 59 added. Code value 192 deleted.							
			- DTM (#38) DE 2005 code values X20 and 2BE added. Code value 36 deleted.							
			- FTX (#39) added.							
			- MOA (#40) deleted.							
			- RFF (#41) DE 1153 code value AWT added. Code value ON deleted.							
			- LOC (#43) DE 3227 code values 243 and 244 added. DE 3055 code value 6 corrected by code value 60.							
			- LOC.QTY (#46) deleted.							
			- PCI (#47), DTM (#48) and GIN (#51) deleted.							
			- QVR (#54) deleted.							

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
	UNB			**Interchange header**		M				
	UNB	**S001**		**Syntax identifier**		R				
	UNB	S001	0001	Syntax identifier		R	**UNOC**	= covers UNOA, UNOB (small characters) and certain foreign characters	A	1>4
	UNB	S001	0002	Syntax version number		R	**3**	= Syntax version 3	N	1
	UNB	**S002**		**Interchange sender**		R				
	UNB	S002	0004	Sender identification		R	**<GLN>**	= sender GLN (Limited to 13 characters)	N	1>13
	UNB	S002	0007	Partner identification code qualifier		R	**14**	= GS1	AN	1>4
	UNB	S002	0008	Address for reverse routing		O			AN	1>14
	UNB	**S003**		**Interchange recipient**		R				
	UNB	S003	0010	Recipient identification		R	**<GLN>**	= recipient GLN (Limited to 13 characters)	N	1>13
	UNB	S003	0007	Partner identification code qualifier		R	**14**	= GS1	AN	1>4
	UNB	S003	0014	Routing address		O			AN	1>14
	UNB	**S004**		**Date/time of preparation**		R				
	UNB	S004	0017	Date of preparation		R	**<...>**	date format YYMMDD	N	1>6
	UNB	S004	0019	Time of preparation		R	**<...>**	time format HHMM	N	1>4
	UNB		0020	Interchange control reference		R	**<...>**	Unique reference number generated through the sender to identify the interchange	AN	1>14
	UNB	**S005**		**Recipient's reference password**		O				
	UNB	S005	0022	Recipient's reference/password		O			AN	1>14
	UNB	S005	0025	Recipient's reference/password qualifier		O			AN	1>2
	UNB		0026	Application reference		R		BELU_v1	AN	1>14
	UNB		0029	Processing priority code		N			A	1
	UNB		0031	Acknowledgment request		N			N	1
	UNB		0032	Communications agreement ID		N			AN	1>35
	UNB		0035	Test indicator		D	**1**	Interchange is a test	N	1
This segment (together with UNZ) is used to envelope the interchange, as well as to identify both, the party to whom the interchange is sent										
and the party who has sent the interchange. The principle of the UNB segment is the same as a physical envelope which covers one or more letters,										
and which details, both the address where delivery is to take place and the address from where the envelope has come.										
Note:										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
DE0035: Only use DE 0035 (= 1) when the message is in test. For messages in production, DE 0035 is not used.										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
1	**UNH**			**Message header**	1	M				
	(UNH-UNT)				(99999)					
	UNH		0062	Message reference number		R	<..>		AN	1>14
	UNH	**S009**		**Message identifier**		R				
	UNH	S009	0065	Message type		R	**DESADV**	= Despatch Advice message	AN	1>6
	UNH	S009	0052	Message version number		R	**D**	= Draft version/UN/EDIFACT directory	AN	1>3
	UNH	S009	0054	Message release number		R	**01B**	= Release 2001-B	AN	1>3
	UNH	S009	0051	Controlling agency		R	**UN**	= UN/CEFACT	AN	1>2
	UNH	S009	0057	Association assigned code		R	**EAN007**	= GS1 version control number	AN	1>6
	UNH	S009	0110	Code list directory version number					AN	1>6
	UNH	S009	0113	Message type sub-function identification					AN	1>6
	UNH		0068	Common access reference					AN	1>35
	UNH	**S010**		Status of the transfer						
	UNH	S010	0070	Sequence of transfers					N	1>2
	UNH	S010	0073	First and last transfer					A	1>1
This segment is used to head, identify and specify a message.										
The use of this segment is mandatory.										
DEs **0065**, **0052**, **0054**, and **0051**: Indicate that the message is an UNSM Despatch Advice based on the D.01B										
directory under the control of the United Nations.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
2	**BGM**			**Beginning of message**	1	M				
	BGM	**C002**		**Document/message name**		R				
	BGM	C002	1001	Document name code		D D	**351** **YA6**	= Despatch advice = Pre-packed cross docking despatch advice	AN	1>3
	BGM	C002	1131	Code list identification code		N			AN	1>17
	BGM	C002	3055	Code list responsible agency code		N			AN	1>3
	BGM	C002	1000	Document name		N			AN	1>35
	BGM	**C106**		**Document/message identification**		R				
	BGM	C106	1004	Document identifier		R	<..>		AN	1>35
	BGM	C106	1056	Version identifier		N			AN	1>9
	BGM	C106	1060	Revision identifier		N			AN	1>6
	BGM		1225	Message function code		R	**9**	= Original	AN	1>3
	BGM		4343	Response type code		N			AN	1>3
This segment is used to indicate the type and function of the message and to transmit the identifying number.										
Note:										
The use of this segment is mandatory.										
- DE 1004: Although the **document number** may have up to 35 characters according to EANCOM recommendations, the best practice is to restrict it to **14 characters**.										
- The best practice is to mention the same document number as the one on the paper delivery note.										
- All references other than the document number (in DE 1004) are to be put in the RFF segment (#7).										
- Always indicate it concerns a **despatch advice** (BGM+351),										
except in the case of **cross docking** (only 1 ultimate destination) or **transshipment** ('n' ultimate destinations). Then you mention #2 BGM+YA6, together with #43 LOC+7.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
3	**DTM**			**Date/time/period**	10	M				
	DTM	**C507**		**Date/time/period**		R				
	DTM	C507	2005	Date or time or period function code qualifier		R R D ○	**137** **2** **17** **11**	= Document/message date/time = Requested delivery date/time = Estimated delivery date/time = Despatch date and/or time	AN	1>3
	DTM	C507	2380	Date or time or period value		R	<..>		AN	1>12
	DTM	C507	2379	Date or time or period format code		R	**203**	= CCYYMMDDHHMM	AN	1>3
This segment is used to specify the date of the Despatch Advice or any dates related to the delivery of goods.										
Note:										
- DE 2005: Always mention the **document message date** (DTM+137) and the **requested delivery date** (DTM+2).										
- Furthermore, the **estimated delivery date** (DTM+17) is always expected, except in case of backhauling.										
In case of **backhauling** (meaning **"**the buyer picks up the goods"), the supplier may optionally mention 'the date on which the goods are expected to be shipped' (DTM+11).										
Note however that a collection date should be arranged beforehand. Under no circumstance should the DESADV be used as a way to agree a pickup date.										
- DE 2380: The date communicated in a DTM segment must be **machine readable**.										
- DE 2379: In case no detailed time information is available, fill in 0000 for the **hour and minutes** (HHMM).										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
7	**RFF**			**Reference**	10	M				
	RFF	**C506**		**Reference**		R				
	RFF	C506	1153	Reference code qualifier		R D D ○	**ON** **AWT** **VN** **AAO**	= Order number (buyer) = Administrative Reference Code = Order number (supplier) = Consignee's shipment reference number (reservation number dock scheduling)	AN	1>3
	RFF	C506	1154	Reference identifier		R	<..>		AN	1>70
	RFF	C506	1156	Document line identifier					AN	1>6
	RFF	C506	4000	Reference version identifier					AN	1>35
	RFF	C506	1060	Revision identifier					AN	1>6
This segment is used to provide references that apply to the whole transaction.										
Note:										
- Identification of the '**order number**' (ON) is ALWAYS required. In case no 'order number' is available, mention RFF+ON:NA' (NA meaning 'Not applicable').										
- In case **several** orders are consolidated in one shipment (n ORDERS <> n DESADV), each order generates one despatch advice.										
- If both 'order number' (ON) and '**delivery schedule number**' (AAO) are mentioned in the DESADV, they should be mentioned in separate segment lines.										
Dependency notes:										
- In case of **VMI**, the DESADV should also mention the number of the Order Proposal (RFF+**VN**).										
- In case of **excise goods**, the 'Administrative Reference Code' **(AWT)** may be identified. If AWT is mentioned on both header and line level,										
then RFF+AWT on line level (#41) precedes the Administrative Reference Code on header level.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
8	**DTM**			**Date/time/period**	1	C				
	(RFF-**DTM**)									
	DTM	**C507**		**Date/time/period**		R				
	DTM	C507	2005	Date or time or period function code qualifier		R	**171**	= Reference date/time	AN	1>3
	DTM	C507	2380	Date or time or period value		R	<..>		AN	1>12
	DTM	C507	2379	Date or time or period format code		R	**203**	= CCYYMMDDHHMM	AN	1>3
This segment is used to specify dates relating to the references given in the previous RFF segment.										
- Only use this segment in case there is **no referring order number** available (RFF+ON:NA'). In that case, try to mention any other details about the order e.g. its date.										
- DE 2379: In case no detailed time information is available, fill in 0000 for the hour and minutes (HHMM).										

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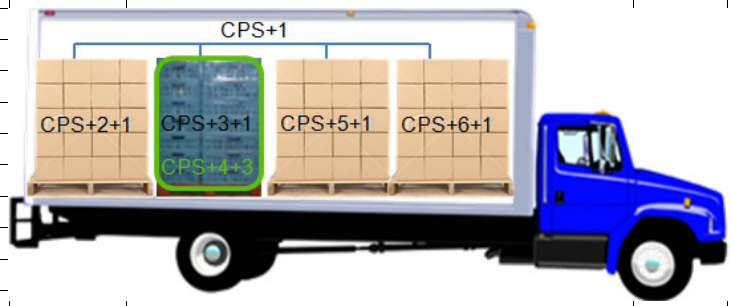
Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
9	**NAD**			**Name and address**	99	M				
	NAD		3035	Party function code qualifier		R	**BY**	= Buyer	AN	1>3
						R	**SU**	= Supplier		
						R	**DP**	= Delivery party (party to which goods should be delivered)		
						D	**SF**	= Ship from		
						○	**DEQ**	= Shipper (party responsible for the shipment of goods)		
						D	**UC**	= Ultimate consignee		
	NAD	**C082**		**Party identification details**		R				
	NAD	C082	3039	Party identifier		R	<GLN>		AN	1>13
	NAD	C082	1131	Code list identification code					AN	1>17
	NAD	C082	3055	Code list responsible agency code		R	**9**	= GS1	AN	1>3
	NAD	C058		Name and address						
	NAD	C058	3124	Name and address description					AN	1>35
	NAD	C058	3124	Name and address description					AN	1>35
	NAD	C058	3124	Name and address description					AN	1>35
	NAD	C058	3124	Name and address description					AN	1>35
	NAD	C058	3124	Name and address description					AN	1>35
	NAD	C080		Party name						
	NAD	C080	3036	Party name					AN	1>35
	NAD	C080	3036	Party name					AN	1>35
	NAD	C080	3036	Party name					AN	1>35
	NAD	C080	3036	Party name					AN	1>35
	NAD	C080	3036	Party name					AN	1>35
	NAD	C080	3045	Party name format code					AN	1>3
	NAD	C059		Street						
	NAD	C059	3042	Street and number or post office box identifier					AN	1>35
	NAD	C059	3042	Street and number or post office box identifier					AN	1>35
	NAD	C059	3042	Street and number or post office box identifier					AN	1>35
	NAD	C059	3042	Street and number or post office box identifier					AN	1>35
	NAD		3164	City name					AN	1>35
	NAD	C819		Country sub-entity details						

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
	NAD	C819	3229	Country sub-entity name code					AN	1>9
	NAD	C819	1131	Code list identification code					AN	1>17
	NAD	C819	3055	Code list responsible agency code					AN	1>3
	NAD	C819	3228	Country sub-entity name					AN	1>70
	NAD		3251	Postal identification code					AN	1>17
	NAD		3207	Country name code					AN	1>3
This segment is used to identify the trading partners involved in the Despatch Advice message.										
Identification of the **buyer** (BY), **delivery party** (DP) and **supplier** (SU) of goods and services is <u>mandatory</u>,										
even if the GLN of the buyer and the delivery party are the same.										
The DESADV is restricted to "**1 delivery address only**".										
The GLN in NAD+DP is to be considered as the address where the goods will really be delivered (e.g. the GLN of a DC).										
In case of **cross docking or transshipment**, the GLN of the store for which each SSCC is ultimately intended,										
must be mentioned in #43 LIN.LOC+7 (which is in line with GS1 Netherlands).										
<u>Dependency note:</u>										
DE 3035: Code value "**SF**" (ship from) is used in 2 cases:										
1) In case the goods are shipped **from the site of the logistic service provider**. In that case, the GLN of the logistic service provider is to be specified (in NAD+SF).										
2) In case of **backhauling** (meaning 'the buyer picks up the goods'), the GLN of the pickup address is to be specified (in NAD+SF).										
Optionally, the supplier may add the explicit mention that 'the buyer picks up the goods' (via #14 TOD+4, collected by customer)										
and 'the date on which the goods are expected to be shipped' (via #3 DTM+11, despatch date).										
Note that a collection date should be arranged beforehand. Under no circumstance should the DESADV be used as a way to agree a pickup date.										
DE 3035: Code value "**UC**" (ultimate consignee) is used in case of **cross docking**; to specify '1' ultimate destination.										
When there are 'n' ultimate destinations however (also called 'transshipment'), use (#43) LOC.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
14	**TOD**			**Terms of delivery or transport**	10			**OPTIONAL (Backhauling)**		
	TOD		4055	Delivery or transport terms function code		○	**4**	= Collected by customer	AN	1>3
	TOD		4215	Transport charges payment method code					AN	1>3
	TOD	**C100**		**Terms of delivery or transport**						
	TOD	C100	4053	Delivery or transport terms description code					AN	1>3
	TOD	C100	1131	Code list identifcation code					AN	1>17
	TOD	C100	3055	Code list responsible agency code					AN	1>3
	TOD	C100	4052	Delivery or transport terms description					AN	1>70
	TOD	C100	4052	Delivery or transport terms description					AN	1>70
This segment is used to specify the terms of delivery for the despatch advice.										
Segment note:										
In case of backhauling (meaning 'the buyer picks up the goods'), the GLN of the pickup address is to be specified in #9 NAD+SF (ship from).										
Optionally, the supplier may add the explicit mention that 'the buyer picks up the goods' (via #14 TOD+4)										
and 'the date on which the goods are expected to be shipped' (via #3 DTM+11, despatch date).										
Note that a collection date should be arranged beforehand. Under no circumstance should the DESADV be used as a way to agree a pickup date.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
22	**CPS**			**Consignment packing sequence**	1	M				
	(CPS-(PAC-(PCI-GIN))-(LIN-MEA-QTY))				(9999)					
	CPS		7164	Hierarchical structure level identifier		R	<..>	Sequence (1, 2, 3, 4 …)	AN	1>35
	CPS		7166	Hierarchical structure parent identifier		D	<..>	Packing level - refers to the sequence n° of the packing being described.	AN	1>35
	CPS		7075	Packaging level code		N			AN	1>3
This segment is used to identify the sequence and hierarchy in which packing of the consignment occurs.										
Note:										
- This segment allows to illustrate **how the consignment is (hierarchically) structured**. Based on the illustration below, the DESADV can thus specify that										
(1) the truck carries 4 loaded pallets,										
(2) **of which** the first packing is a EURO pallet (identified by nGRAI X) carrying 40 cartons (whose GTIN is mentioned in the corresponding LIN segment),										
(3) the second packing is a EURO pallet										
(4) carrying 14 crates (identified by nGRAI Y), which contain in total 28 units of the GTIN mentioned in the LIN segment.										
(5) the third packing is a EURO pallet (identified by nGRAI X) carrying 40 cartons,										
(6) and so is the fourth packing.										
DESADV extract example										
(1)	CPS+1'		General/entire consignment							
	PAC+4++201'		There are 4 (loaded) EURO pallets 80x120 cm							
(2)	CPS+2+1'		The first packing (pallet level) will be described							
	PAC+1++201'		It concerns a EURO pallet 80x120 cm							
	…		Description of the pallet composition (SSCC, nGRAI and content)							
(3)	CPS+**3**+1'		The next packing (still on pallet level) will be described							
	PAC+1++201'		It concerns a EURO pallet 80x120 cm							
	…		Description of its SSCC and nGRAI							
(4)		CPS+4+**3'**	The packing within the pallet (crate level) will be described							
		PAC+14++CR'	It concerns 14 crates							
		…	Description of its nGRAI and the content of the crates							
(5)	CPS+**5**+1'									
(6)	CPS+**6**+1'									



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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
- Note that **DE 7166** defines the packing level (e.g. pallet or crate level). It allows to establish the hierarchical relationships in a top-down structure.										
The first CPS segment however (CPS+1') does not indicate a packing level because it refers to the general/entire consignment.										
- When to add a CPS segment? Only **relevant** if the packing needs to be distinguished from one another,										
e.g. because it's identified by SSCC, or because the pallet type/ crate type is to be identified for RTI management (because it's charged with a deposit or it has to return).										
For more examples, see the annex 'DESADV examples'.										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
23	**PAC**			**Package**	1					
	(CPS-(**PAC**-(PCI-GIN))-(LIN-MEA-QTY))				(9999)					
	PAC		7224	Package quantity		R	<..>	To specify the number of packages	N	1>8
	PAC	**C531**		**Packaging details**		N				
	PAC	C531	7075	Packaging level code					AN	1>3
	PAC	C531	7233	Packaging related description code		N			AN	1>3
	PAC	C531	7073	Packaging terms and conditions code					AN	1>3
	PAC	**C202**		**Package type**		O				
	PAC	C202	7065	Package type description code		D	200	= Pallet ISO 0 - 1/2 EURO Pallet 80x60	AN	1>17
						D	201	= Pallet ISO 1 - 1/1 EURO Pallet 80x120		
						D	202	= Pallet ISO 2 - dimensions 100x120		
						D	203	= 1/4 EURO Pallet 60x40		
						D	BX	= Box (**lidded** package)		
						D	CR	= Crate		
						D	CT	= Cardboard box or container		
						D	BG	= Bag		
						D	TY	= Tank		
						D	PB	= Pallet box		
						D	BJ	= Bucket		
						D	JT	= Jute Bag for coffee		
						D	TRE	= Trolley		
						D	PU	= Tray (or shelf)		
						D	08	= Oneway pallet		
	PAC	C202	1131	Code list identification code					AN	1>17
	PAC	C202	3055	Code list responsible agency code		N			AN	1>3
	PAC	C202	7064	Type of packages					AN	1>35
	PAC	C402		Package type identification						
	PAC	C402	7077	Description format code					AN	1>3
	PAC	C402	7064	Type of packages					AN	1>35
	PAC	C402	7143	Item type identification code					AN	1>3
	PAC	C402	7064	Type of packages					AN	1>35
	PAC	C402	7143	Item type identification code					AN	1>3
	PAC	C532		Returnable package details						
	PAC	C532	8395	Returnable package freight payment responsibility code					AN	1>3

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
	PAC	C532	8393	Returnable package load contents code					AN	1>3
This segment is used to identify the total number of packages per hierarchical level (identified in the CPS segment (#22)) in the shipment.										
The contents of each package is subsequently described in the following LIN segment (#31).										
Note:										
- For plastic **crates**, the best practice is to mention CR (instead of BX).										
- The '**type of RTI**' (= means to transport goods) can be identified further on in the message via #27 PCI+41G' and #30 GIN+DA+<nGRAI>'.										
- For **self-assembled trolleys** (TRE) that can only be identified by (the nGRAI of) its composing parts (e.g. wheels, shelves), check the annex 'DESADV examples'.										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
24	**MEA**			**Measurements**	10	C				
	(CPS-(PAC-**MEA**-(PCI-GIN))-(LIN-MEA-QTY))									
	MEA		6311	Measurement purpose code qualifier		R	**PD**	= Physical dimensions	AN	1>3
	MEA	**C502**		**Measurement details**		R				
	MEA	C502	6313	Measured attribute code		D D	**AAC** **T**	= Total net weight (Total weight of goods excluding packing) = Tare weight (Weight excluding goods and loose accessories)	AN	1>3
	MEA	C502	6321	Measurement significance code		○			AN	1>3
	MEA	C502	6155	Non-discrete measurement name code		○			AN	1>17
	MEA	C502	6154	Non-discrete measurement name		○			AN	1>70
	MEA	**C174**		**Value/range**		R				
	MEA	C174	6411	Measurement unit code		D D D	**KGM** **LTR** **MTR**	= Kilogram = Liter = Meter	AN	1>3
	MEA	C174	6314	Measurement value		R	<..>	Max 3 digits after the decimal point.	AN	1>18
	MEA	C174	6162	Range minimum value		○			N	1>18
	MEA	C174	6152	Range maximum value		○			N	1>18
	MEA	C174	6432	Significant digits quantity		○			N	1>2
	MEA		7383	Surface or layer code		○			AN	1>3
This segment is used to provide measurements relevant to the packaging unit and level described in the PAC segment.										
Dependency note:										
- When indication of weight is relevant, the total **net weight** (AAC) is required on line level (#34 MEA), and **optional** at logistic unit level (#24 MEA).										
If weight is mentioned on both levels, the net weight on line level (#34) precedes the net weight on logistic unit level (#24).										
- DE 6313: Only mention '**tare weight**' (**T**) in case of a 'wooden pallet carrying variable weight products' and provided it's **bilaterally agreed beforehand**.										
This is because wooden pallets are subject to weight fluctuation (e.g. humidity).										
At goods reception, when the logistic unit is weighed, the retailer needs to know the tare weight to deduct from the gross weight, to verify the net weight.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
27	**PCI**			**Package identification**	**1**					
	(CPS-(PAC-MEA-(**PCI**-GIN))-(LIN-MEA-QTY))				(1000)					
	PCI		4233	Marking instructions code		R D ○ ○ D	**33E** **41G** **36E** **39E** **16**	= Marked with SSCC = Marked with GS1 GRAI = Marked with batch number = Marked with best before date = Buyer's instructions (only for bulk meat)	AN	1>3
	PCI	**C210**		**Marks & labels**		D				
	PCI	C210	7102	Shipping marks description		**D**	<…>	(E.g. For bulk meat: 1A, 1B, 1C, 1D, 2A, …)	AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI	C210	7102	Shipping marks description					AN	1>35
	PCI		8275	Container or package contents indicator code					AN	1>3
	PCI	C827		Type of marking						
	PCI	C827	7511	Marking type code					AN	1>3
	PCI	C827	1131	Code list identification code					AN	1>17
	PCI	C827	3055	Code list responsible agency code					AN	1>3

This segment is used to provide markings and labels information relevant to the packaging unit and level identified in the PAC segment (#23).

Note:

- Each **logistic unit** is to be uniquely identified with an SSCC number.

- When relevant, the **batch number** and **best before date** are at least required on line level (#32 PIA and #38 DTM), and **optional** on pallet level (#27 PCI, #29 DTM & #30 GIN).
If this data is mentioned on both levels, the data on line level (#32 & #38) precedes the data on logistic unit level (#27, #29 & #30).

Dependency note:

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
- In case of **RTI management**, identify the (type of) asset (e.g. pallet / crate / other) with a nGRAI (for the type of asset) or sGRAI (for serialized RTI).										
See 'DESADV examples' for more information.										
- DE 4233 & DE 7102: Only implement **PCI+16+1A'** for the **specific business case** (described below) and provided it's **bilaterally agreed beforehand.**										
This is for meat suppliers who deliver 'bulk meat that doesn't fit in/on 1 asset (/logistic carrier/RTI e.g. crate) but that has to stay together (when delivered to the stores).										
PCI+16 assigns an **additional identifier** to each serialized crate, which implies that certain crates are connected to one another (PCI+16+1A; PCI+16+1B;...).										
For more information, see 'DESADV examples'.										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
29	**DTM**			**Date/time/period**	5			**OPTIONAL**		
	(CPS-(PAC-MEA-(PCI-**DTM**-GIN))-(LIN-MEA-QTY))									
	DTM	**C507**		**Date/time/period**		R				
	DTM	C507	2005	Date or time or period function code qualifier		R	**361**	= Best before date	AN	1>3
	DTM	C507	2380	Date or time or period value		R	<..>		AN	1>35
	DTM	C507	2379	Date or time or period format code		R	**102**	= CCYYMMDD	AN	1>3
This segment is used to indicate the date(s) marked on the package identified in the PAC segment (#23).										
Note:										
- When relevant, the **best before date** is at least required on line level (#38), and **optional** on pallet level (#29).										
If this data is mentioned on both levels, the date on line level (#38) precedes the date on logistic unit level (#27 & #29).										
Generally, a best before date refers to a batch number.										
This segment (for indicating the best before date) can only be used if it is preceded by (#27) PCI+39E'.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
30	**GIN**			**Goods identity number**	**1**					
	(CPS-(PAC-MEA-(PCI-**GIN**))-(LIN-MEA-QTY))									
	GIN		7405	Object identification code qualifier		D D D O	**BJ** **DA** **DB** **BX**	= Serial shipping container code = GS1 Global Returnable Asset identifier, without serial number (for nGRAI) = GS1 Global Returnable Asset identifier, with serial number (for sGRAI) = Batch number	AN	1>3
	GIN	**C208**		**Identity number range**		R				
	GIN	C208	7402	Object identifier		R	<..>		AN	1>35
	GIN	C208	7402	Object identifier					AN	1>35
	GIN	**C208**		**Identity number range**						
	GIN	C208	7402	Object identifier					AN	1>35
	GIN	C208	7402	Object identifier					AN	1>35
	GIN	**C208**		**Identity number range**						
	GIN	C208	7402	Object identifier					AN	1>35
	GIN	C208	7402	Object identifier					AN	1>35
	GIN	**C208**		**Identity number range**						
	GIN	C208	7402	Object identifier					AN	1>35
	GIN	C208	7402	Object identifier					AN	1>35
	GIN	**C208**		**Identity number range**						
	GIN	C208	7402	Object identifier					AN	1>35
	GIN	C208	7402	Object identifier					AN	1>35

This segment is used to provide identification numbers relevant to the packaging unit and level identified in the PAC segment (#23).

In case of **RTI management (keeping track of the means to transport goods, e.g. a pallet or crate)**, the asset can be identified with nGRAI (for the type of asset) or sGRAI (for serialized RTI). For more information, see the 'DESADV examples'.

Dependency notes:

DE 7405: The different code values are univocally linked with DE 4233 of the PCI segment (#27) as follows:

marked with :	PCI (#27)	GIN (#30):
- GRAI:	41G	DA or DB

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
	- SSCC:		33E	BJ						
	- batch number:		36E	BX						

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
31	**LIN**			**Line item**	1					
	(CPS-(PAC-(PCI-GIN))-**(LIN**-MEA-QTY))				(9999)					
	LIN		1082	Line item identifier		R	<..>		AN	1>6
	LIN		1229	Action request/notification description code		N			AN	1>3
	LIN	**C212**		**Item number identification**		R				
	LIN	C212	7140	Item identifier		D	<GTIN>		AN	1>14
	LIN	C212	7143	Item type identification code		D	**SRV**	= Global trade item number	AN	1>3
	LIN	C212	1131	Code list identification code					AN	1>17
	LIN	C212	3055	Code list responsible agency code					AN	1>3
	LIN	C829		Sub-line information						
	LIN	C829	5495	Sub-line indicator code					AN	1>3
	LIN	C829	1082	Line item identifier					AN	1>6
	LIN		1222	Configuration level number					N	1>2
	LIN		7083	Configuration operation code					AN	1>3
This segment is used to identify the line item being despatched.										
Note:										
- Ideally, the LIN segment specifies the 'GTIN of the **trade item**' (e.g. a box, carton, pallet or any other unit which is commercially agreed to be ordered and invoiced).										
Furthermore, the best practice is to take over the GTIN from the ORDERS message (for direct matching).										
- DE 7140 & 7143: The LIN segment **always** expects a GTIN (Global Trade Item Number), except in the case of deliberately delivering empty RTI. In the latter case,										
only LIN+<line item identifier>' is mentioned. For more details, see the annex 'DESADV examples'.										
- In case of 'goods in **consignment**' , there is no specific/additional indication.										
(= goods that are delivered into stock with agreement on payment when goods are sold out of this stock).										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
32	**PIA**			**Additional product id**	10			**Empty RTI**		
	(CPS-(PAC-(PCI-GIN))-(LIN-**PIA**-MEA-QTY))									
	PIA		4347	Product identifier code qualifier		R	**5**	= Product identification	AN	1>3
	PIA	**C212**		**Item number identification**		R				
	PIA	C212	7140	Item identifier		R	<nGRAI>		AN	1>35
	PIA	C212	7143	Item type identification code		R	**SUE**	= GS1 Global Returnable Asset Identifier, non-serialized	AN	1>3
	PIA	C212	1131	Code list identification code					AN	1>17
	PIA	C212	3055	Code list responsible agency code					AN	1>3
	PIA	C212		Item number identification						
	PIA	C212	7140	Item identifier					AN	1>35
	PIA	C212	7143	Item type identification code					AN	1>3
	PIA	C212	1131	Code list identification code				*For easier reading, the PIA segment is split up in separate pages to indicate the working method for 'empty RTI' (here). Batch number and Ear-tag number can be found on the next page.*	AN	1>17
	PIA	C212	3055	Code list responsible agency code					AN	1>3
	PIA	C212		Item number identification						
	PIA	C212	7140	Item identifier					AN	1>35
	PIA	C212	7143	Item type identification code					AN	1>3
	PIA	C212	1131	Code list identification code					AN	1>17
	PIA	C212	3055	Code list responsible agency code					AN	1>3
	PIA	C212		Item number identification						
	PIA	C212	7140	Item identifier					AN	1>35
	PIA	C212	7143	Item type identification code					AN	1>3
	PIA	C212	1131	Code list identification code					AN	1>17
	PIA	C212	3055	Code list responsible agency code					AN	1>3
This segment is used to provide additional identification for the current line item.										
- This segment line (PIA+5+<nGRAI>:SUE') is used to indicate **empty RTI** (e.g. stabilizaton crates).										
The details of this working method can be found in the annex 'DESADV examples'.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
32	**PIA**			**Additional product id**	10					
	(CPS-(PAC-(PCI-GIN))-(LIN-**PIA**-MEA-QTY))									
	PIA		4347	Product identifier code qualifier		R	**1**	= Additional identificaton	AN	1>3
	PIA	**C212**		**Item number identification**		R				
	PIA	C212	7140	Item identifier		R	<..>		AN	1>35
	PIA	C212	7143	Item type identification code		D D ○ ○	**NB** **X2** **SA** **BP**	= Batch number = Ear-tag number (= Sanitel number) = Supplier's article number = Buyer's part number	AN	1>3
	PIA	C212	1131	Code list identification code					AN	1>17
	PIA	C212	3055	Code list responsible agency code					AN	1>3
	PIA	C212		Item number identification						
	PIA	C212	7140	Item identifier					AN	1>35
	PIA	C212	7143	Item type identification code				*For easier reading, the PIA segment is split up in separate pages. This page indicates the working method for Batch number, Ear-tag number and Global Trade item number.*	AN	1>3
	PIA	C212	1131	Code list identification code					AN	1>17
	PIA	C212	3055	Code list responsible agency code					AN	1>3
	PIA	C212		Item number identification						
	PIA	C212	7140	Item identifier					AN	1>35
	PIA	C212	7143	Item type identification code					AN	1>3
	PIA	C212	1131	Code list identification code					AN	1>17
	PIA	C212	3055	Code list responsible agency code					AN	1>3
	PIA	C212		Item number identification						
	PIA	C212	7140	Item identifier					AN	1>35
	PIA	C212	7143	Item type identification code					AN	1>3
	PIA	C212	1131	Code list identification code					AN	1>17
	PIA	C212	3055	Code list responsible agency code					AN	1>3
This segment is used to provide additional identification for the current line item.										
Note:										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
- Qualifier '**NB**': When relevant, the batch number is at least **required** on line level (#32 PIA+1+<Batch n°>:NB'), and optional on pallet level (#27 PCI and #30).										
Generally, the batch number refers to a best before date.										
- Qualifier '**X2**' is used in the context of **meat traceabilty**.										
For meat traceability, either 'the batch number or the Sanitel number' is at least **required.** Its working method can be found in the annex 'DESADV examples'.										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
33	**IMD**			**Item description**	25	C		**OPTIONAL**		
	(CPS-(PAC-(PCI-GIN))-(LIN-**IMD**-MEA-QTY))									
	IMD		7077	Description format code		R	**F**	= Free-form	AN	1>3
	IMD	**C272**		**Item characteristic**						
	IMD	C272	7081	Item characteristic code					AN	1>3
	IMD	C272	1131	Code list identification code					AN	1>17
	IMD	C272	3055	Code list responsible agency code					AN	1>3
	IMD	**C273**		**Item description**						
	IMD	C273	7009	Item description code					AN	1>17
	IMD	C273	1131	Code list identification code		○	**OAG**	= Organic Claim Agency	AN	1>17
	IMD	C273	3055	Code list responsible agency code		○	**2**	= CEC, European Commission	AN	1>3
	IMD	C273	7008	Item description		R	<..>		AN	1>256
	IMD	C273	7008	Item description		○	<..>		AN	1>256
	IMD	C273	3453	Language name code		○			AN	1>3
	IMD		7383	Surface or layer code					AN	1>3
This segment is used to describe the current line item.										
Note:										
- **Optionally**, the supplier can mention the **controlling agency** (with its registration number) that certified the organic product (IMD+F++:OAG:2:BE-BIO-01:CERTISYS').										
The code list can be found on http://ec.europa.eu/agriculture/organic/files/consumer-confidence/inspection-certification/EU_control_bodies_authorities_en.pdf										
Nevertheless, ideally, this information should be exchanged via GDSN rather than via EDI.										
Furthermore, It should be noted that the indication of 'the organization that handed out the bio certification label'										
is actually only required on the product label itself (cf. EU directive 834/2007).										
- Furthermore, the supplier can optionally specify the **article description**. Nevertheless, it should be noted that this information should be exchanged via GDSN										
rather than via EDI.										
(IMD+F++:::ITEM DESCRIPTION::FR')										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
34	**MEA**			**Measurements**	10			**NET WEIGHT**		
	(CPS-(PAC-(PCI-GIN))-(LIN-**MEA**-QTY))									
	MEA		6311	Measurement purpose code qualifier		R	**PD**	= Physical dimensions	AN	1>3
	MEA	**C502**		**Measurement details**		R				
	MEA	C502	6313	Measured attribute code		R	**AAC**	= Total net weight (Total weight of goods excluding packaging)	AN	1>3
	MEA	C502	6321	Measurement significance code		N			AN	1>3
	MEA	C502	6155	Non-discrete measurement name code		N			AN	1>17
	MEA	C502	6154	Non-discrete measurement name		N			AN	1>70
	MEA	**C174**		**Value/range**		R				
	MEA	C174	6411	Measurement unit code		D D D	**KGM** **LTR** **MTR**	= Kilogram = Liter = Meter	AN	1>3
	MEA	C174	6314	Measurement value		R	<..>	Max 3 digits after the decimal point.	AN	1>18
	MEA	C174	6162	Range minimum value					N	1>18
	MEA	C174	6152	Range maximum value						
	MEA	C174	6432	Significant digits quantity						
	MEA		7383	Surface or layer code						
This segment is used to specify the actual physical dimensions of the line item being despatched where the product is sold in variable dimensions.										
Note:										
- When indication of weight is relevant, the total net weight is **required** on line level (#34 MEA+PD+AAC+KGM:<net weight>'), and optional at logistic unit level (#24 MEA).										
If weight is mentioned on both levels, the net weight on line level (#34) precedes the net weight on logistic unit level (#24).										
- Ideally, goods with a **variable nature** should have their 'order unit' and 'delivery unit' expressed in 'number of crates/cases/pallets/other' (for #35 QTY),										
and have their 'exact weight/dimensions' specified in #34 MEA+PD+AAC+KGM:<net weight>'.										
- If it concerns a **delivery in bulk** ("en vrac") for which the quantity can only be expressed in kg, l or m,										
the DESADV should express #35 QTY+12:**1**' and have its real weight specified in #34 MEA+PD+AAC+KGM:<net weight>'.										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
35	**QTY**			**Quantity**	10					
	(CPS-(PAC-(PCI-GIN))-(LIN-MEA-**QTY**))									
	QTY	**C186**		**Quantity details**		R				
	QTY	C186	6063	Quantity type code qualifier		R O	**12** **59**	= Despatch quantity (incl. free goods qty) = Number of consumer units in the traded unit	AN	1>3
	QTY	C186	6060	Quantity		R	<..>		AN	1>35
	QTY	C186	6411	Measurement unit code		N			AN	1>3
This segment is used to specify the quantity of the product identified in the LIN segment (#31).										
Note:										
- Qualifier **12**: For each occuring LIN segment, the despatch quantity (QTY+12) is **required**.										
- Qualifier **59**: Optionally, if the supplier wishes, he/she may mention the number of consumer units (the smallest unit) per trade unit.										
- Ideally, goods with a **variable nature** should have their 'order unit' and 'delivery unit' expressed in 'number of crates/cases/pallets/other' (for #35 QTY),										
and have their 'exact weight/dimensions' specified in #34 MEA+PD+AAC+KGM:<net weight>'.										
- If it concerns a **delivery in bulk** ("en vrac") for which the quantity can only be expressed in kg, l or m,										
the DESADV should express #35 QTY+12:**1**' and have its real weight specified in #34 MEA+PD+AAC+KGM:<net weight>'.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
38	**DTM**			**Date/time/period**	5					
	(CPS-(PAC-(PCI-GIN))-(LIN-**DTM**))									
	DTM	**C507**		**Date/time/period**		R				
	DTM	C507	2005	Date or time or period function code qualifier		R	**361**	= Best before date	AN	1>3
						○	**94**	= Production/manufacture date		
						○	**365**	= Packaging date		
						○	**X20**	= Slaughtering date		
						○	**2BE**	= Cutting date		
	DTM	C507	2380	Date or time or period value		R	<..>		AN	1>35
	DTM	C507	2379	Date or time or period format code		R	**203**	= CCYYMMDDHHMM	AN	1>3
This segment is used to specify relevant dates (and possibly times) of the current line item;										
Note:										
- When relevant, a best before date (361) is at least **required** on line level (#38), and optional on pallet level (#29).										
If the best before dates are mentioned on both levels, then the date on line level (#38) precedes the date on logistic unit level (#29).										
- Generally, a best before date refers to a batch number.										
- DE 2379: In case no detailed time information is available, fill in 0000 for the hour and minutes (HHMM).										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
39	**FTX**			**Free text**	99	C		**ONLY IF BILATERALLY AGREED**		
	(CPS-(PAC-(PCI-GIN))-(LIN-**FTX**))									
	FTX		4451	Text subject code qualifier		R	**ZZZ**	= Mutually defined	AN	1>3
	FTX		4453	Free text function code		N				
	FTX	**C107**		**Text reference**		N				
	FTX	C107	4441	Free text value code		N			AN	1>3
	FTX	C107	1131	Code list identification code		N			AN	1>35
	FTX	C107	3055	Code list responsible agency code		N			AN	1>3
	FTX	**C108**				R				
	FTX	C108	4440	Free text value		R	**<…>**	Vat rate		
	FTX	C108	4440	Free text value		R	**<…>**	Net price		
	FTX	C108	4440	Free text value		R	**<…>**	Sales price		
	FTX	C108	4440	Free text value		R	**<…>**	Currency (ISO code)		
	FTX	C108	4440	Free text value		N				
	FTX		3453	Language name code		N				
	FTX		4447	Free text format code		N				
This segment is used to provide free form or coded text information.										
Segment note:										
- Only implement this segment for the **specific business case** (described below) and provided it's **bilaterally agreed beforehand.**										
This is e.g. the case for direct deliveries of goods to franchisees of which 'the GTIN and price is not known in the headquarters',										
and thus needs to be communicated to the headquarters in order to valorize the despatch advice and create the proforma invoice to match it with the real invoice.)										
The supplier hereby mentions 'for the trade unit described in the LIN segment', its VAT rate, net price, sales price and currency as such #39 FTX+ZZZ+++12.50:7.321::EUR'										
- Use a dot (.) for decimals.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
41	**RFF**			**Reference**	99					
	(CPS-(PAC-(PCI-GIN))-(LIN-**RFF**))									
	RFF	**C506**		**Reference**		R				
	RFF	C506	1153	Reference code qualifier		D O O	**AWT** **YC4** **YC5**	= Administrative Reference Code = Cutting plant approval number = Slaughterhouse approval number	AN	1>3
	RFF	C506	1154	Reference identifier		R	<..>		AN	1>70
	RFF	C506	1156	Document line identifier		N			AN	1>6
	RFF	C506	4000	Reference version identifier					AN	1>35
	RFF	C506	1060	Revision identifier					AN	1>6
This segment is used to specify any references which are for the line item only.										
Note:										
- In case of **excise goods**, the 'Administrative Reference Code' **(AWT)** may be identified. If AWT is mentioned on both header and line level,										
then RFF+AWT on line level (#41) precedes the Administrative Reference Code on header level.										
- Qualifiers 'YC4 & YC5' are used in the context of meat traceabilty. Their working method can be found in the annex 'DESADV examples'.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
43	**LOC**			**Place/location identification**	1					
	(CPS-(PAC-(PCI-GIN))-(LIN-(**LOC**-QTY)))				(100)					
	LOC		3227	Location function code qualifier		D	**7**	= Place of delivery (use for cross dock)	AN	1>3
						○	**27**	= Country of origin		
						○	**241**	= Country of birth		
						○	**242**	= Country of fattening		
						○	**246**	= Slaughterhouse		
						○	**30E**	= Cutting plant		
						○	**243**	= Country of slaughter		
						○	**244**	= Country of cutting.		
	LOC	**C517**		**Location identification**		R				
	LOC	C517	3225	Location name code		D	<GLN>		AN	13>13
						D	<ISO>	e.g. country code		
	LOC	C517	1131	Code list identification code					AN	1>17
	LOC	C517	3055	Code list responsible agency code		D	**5**	= ISO (e.g. country code/FAO fish area)	AN	1>3
						D	**60**	= assigned by a national trade agency (e.g. Comeos meat codes)		
						D	**9**	= GS1 (e.g. GLN)		
	LOC	C517	3224	Location name					AN	1>256
	LOC	C519		Related location one identification						
	LOC	C519	3223	First related location name code					AN	1>25
	LOC	C519	1131	Code list identification code					AN	1>17
	LOC	C519	3055	Code list responsible agency code					AN	1>3
	LOC	C519	3222	First related location name					AN	1>70
	LOC	C553		Related location two identification						
	LOC	C553	3233	Second related location name code					AN	1>25
	LOC	C553	1131	Code list identification code					AN	1>17
	LOC	C553	3055	Code list responsible agency code					AN	1>3
	LOC	C553	3232	Second related location name					AN	1>70
	LOC		5479	Relation code					AN	1>3
This segment is used to identify a location relevant to the trade item in the LIN segment.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
Note:										
- LOC+7+<GLN>::9' is used in case of **transshipment** (= 'n' ultimate destinations) to specify the store for which the SSCC is ultimately intended.										
In case of **cross dock** however (= only '1' ultimate destination), use (#9) NAD+UC.										
This is not to be mistaken with (#9) NAD+DP that specifies the GLN of the delivery address (where the goods will be delivered in the first place).										
- Qualifiers '241, 242, 246, 30E, 243 and 244' are used in the context of meat traceabilty. Their working method can be found in the annex 'DESADV examples'.										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
56	**CNT**			**Control total**	5	C				
	CNT	**C270**		**Control**		R				
	CNT	C270	6069	Control total type code qualifier		R	**2**	= Number of line items in message	AN	1>3
	CNT	C270	6066	Control total value		R	<..>		N	1>18
	CNT		6411	Measurement unit code					AN	1>3
This segment is used to specify the number of line items in the message.										
E.g.:CNT+2:9'										

Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
57	**UNT**			**Message trailer**	1	M				
	UNT		0074	Number of segments in the message		R	<..>		N	1>6
	UNT		0062	Message reference number		R	<..>		AN	1>14
This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.										

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Segm.#	Segm.	Composite DE	DE	DE name	MaxUs	Belgilux	Value	Meaning	Type	Length
	UNZ			**Interchange trailer**		M				
	UNZ		0036	Interchange control count		R	**<..>**	Number of messages within the interchange	N	1>6
	UNZ		0020	Interchange control reference		R	**<..>**	Identical to DE 0020 in UNB segment	AN	1>14
This segment is to provide the trailer of an interchange (serves as envelope).										

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O2C DESADV examples

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Content

[1] 'Despatch advice' (also called 'Advanced Shipping Note' or 'ASN') is hereafter mentioned as 'DESADV', which is the GS1 EANCOM® term for 'despatch advice'.

Log of changes:

Version	Date	Change
1.0	Feb 2016 Aug 2015 July 2014	- Example changed to add Application Code BELU_v1 as it is a Required Value in UNB DE0026 - Refinement about consumer empties in the footnote of "2.About RTI management" and "11. About". - Refinement in 9. Cross docking & transshipment. - Making documentation available.

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1. Simple despatch advice

for a uniform and mixed pallet for DC delivery,
with minimal required information and corresponding GS1 logistic label.

***Example**: Supplier delivers 2 logistic units, each identified by a SSCC.*
*One is a **uniform** pallet. The other is a **mixed** pallet containing 2 different GTINs.*

#		
#	**UNB**+UNOC:3+5422222000005:14+ 5411111000002:14+120530:0812+ 4568++BELU_v1'	Interchange header
1 2 3 3 3 7 9 9 9	**UNH**+5174+**DESADV**:D:01B:UN:EAN007' **BGM**+351+2310+9' **DTM**+137:201305300000:203' **DTM**+2:201305300000:203' **DTM**+17:201305300000:203' **RFF**+ON:1202' **NAD**+BY+5411111000002::9' **NAD**+SU+5422222000005::9' **NAD**+DP+5411111000115::9'	Message header The DESADV number is 2310 Message date 30th of May 2013 Requested delivery date 30th of May 2013 Estimated delivery date 30th of May 2013 DESADV is related to order number 1202 Buyer identified by GLN 5411111000002 Supplier identified by GLN 5422222000005 Delivery party identified by GLN 5411111000115
22 23	**CPS**+1' **PAC**+2++201'	General/entire consignment There are 2 (loaded) pallets
22 23 27 30 27 30 31 32 35 38	**CPS**+2+1' **PAC**+1++201' **PCI**+33E' **GIN**+BJ+054222220008613702' PCI+41G' OPTIONAL GIN+DA+0662510000774' **LIN**+1++5422222001001:SRV' **PIA**+1+LOT545:NB' **QTY**+12:27' **DTM**+361:201309120000:203'	 The first packing is being described It concerns 1 pallet The logistic unit is marked with SSCC 054222220008613702 The asset type is identified by nGRAI 0662510000774 The logistic unit carries 27 units of GTIN 5422222001001, marked with batch number LOT545 and best before date 12th of September 2013.
22 23 27 30 27 30 31 32 35 38 31 32 35 38	**CPS**+3+1' **PAC**+1++201' **PCI**+33E' **GIN**+BJ+054222220008613719' PCI+41G' OPTIONAL GIN+DA+0662510000774' **LIN**+2++5422222001001:SRV' **PIA**+1+LOT546:NB' **QTY**+12:13' **DTM**+361:201309130000:203' **LIN**+3++5422222002003:SRV' **PIA**+1+LOT547:NB' **QTY**+12:10' **DTM**+361:201309150000:203'	 The second packing is being described It concerns 1 pallet The logistic unit is marked with SSCC 054222220008613719 The asset type is identified by nGRAI 0662510000774 The logistic unit carries 13 units of GTIN 5422222001001, marked with batch number LOT546 and best before date 13th of September 2013. The logistic unit also carries 10 units of GTIN 5422222002003, marked with batch number LOT547 and best before date 15th of September 2013.

56 57 ..	**CNT**+2:3' **UNT**+37+5174' **UNZ**+1+4568'	In total, there are 3 line items. In total, there are 37 segment lines Interchange trailer

Corresponding GS1 logistic labels:

Free Information

Eg. Company Name of Sender, Address, Product Description

SSCC: 054222220008613702

Product description

CONTENT: 5422222001002

COUNT: 27

BEST BEFORE: 12/09/2012

(02) 0 5422222 00100 2 (15) 120912 (37) 27

(00) 0 5422222 000861370 2

Free Information

Eg. Company Name of Sender, Address, Product Description

SSCC: 054222220008613719

(00) 0 5422222 000861371 9

2. About RTI management

To allow the recipient to **count** *(or respectively track)* all incoming pallets and crates (generally referred to as RTI[2]), the '**asset type**' *(or respectively the '**individual asset**')* can be uniquely identified in the DESADV.

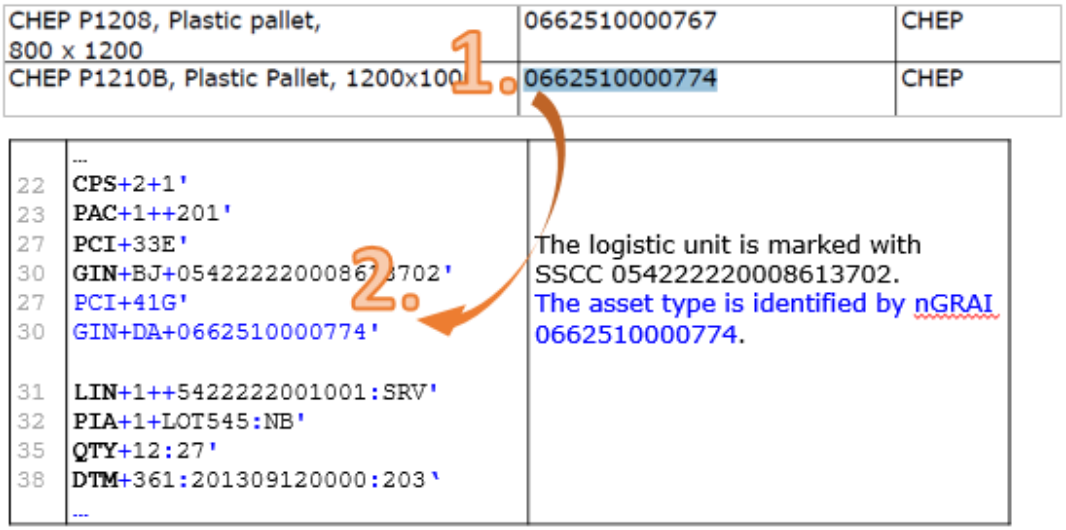
- The '**asset type**' is identified with a non-serialized GRAI (nGRAI) from the GS1 BeNeLux RTI list[3]. (E.g. 'CHEP pallet 100 x 120' = 0662510000019).

- The '**individual asset**' is identified with a serialized GRAI (sGRAI).

Note: RTI is not to be confused with consumer empties.[4]

How to use the 'GS1 BeNeLux RTI list'?

1. Look up the code of the RTI type in the 'GS1 BeNeLux RTI list'.
2. Mention that code in the EDI message (in #30 GIN+DA).



How to interpret this DESADV in terms of RTI?
The DESADV indicates one (1) pallet (cf. #23 PAC) of type nGRAI 0662510000019 (cf. #30 GIN).

For a complete DESADV example, see p 4.

[2] RTI stands for 'reusable transport items', also called 'assets'. These are means to transport/move goods, e.g. a pallet, a crate, a barrel.
[3] The GS1 BeNeLux RTI list replaces the former GS1 Belgilux RTI list and GS1 Nederland Levensmiddelen Emballagelijst.
[4] Consumer empties are (B2C) objects that are acquired by consumers because it carries or contains the good(s) to be 'consumed', and are afterwards returned to the retailer in exchange for a refund. Examples of consumer empties are empty bottles and empty bottle crates. Under no circumstances is the DESADV to (explicitly/separately) specify the embedded consumer empties for a delivery of beverages.

How to mention RTI belonging to an encompassed GTIN?
This is the case when RTI is a composing part of the ordered trade unit/GTIN (e.g. the pallet that is part of the trade item 'pallet of biscuits').
Each asset type needs to be explicitly mentioned, even when proper data synchronization (via GDSN) is already in order. The same accounts for the INVOIC; the RTI of an encompassed GTIN needs to be explicitly mentioned in the INVOIC, when appropriate.

3. Delivery of crates

***Example 1**: **Non-serialized crates on pallets**. The supplier delivers 4 pallets with (non-serialized) crates on.*

The first logistic unit (SSCC-1) carries
14 crates (of the same type) containing 28 units of GTIN-1.
The second logistic unit (SSCC-2) carries
14 crates (of the same type) of which 6 crates[5] contain GTIN-1 and 8 crates contain GTIN-2.
The third logistic unit (SSCC-3) carries
6 crates containing GTIN-1
and 10 crates (of another type) containing GTIN-2.
The fourth logistic unit (SSCC-4) carries
18 crates containing GTIN-2
and 2 empty (stabilization) crates (on top of the pile).

Notice how the DESADV (for reasons of RTI management) explicitly specifies 'per pallet' and 'per crate type' its content (in that top down order) via the 'CPS-PAC-PCI-GIN segment group'[6]. It allows the supplier to indicate **which** crate type he/she despatched (cf. GIN+DA) and **how many** (cf. PAC+X).

#		
	…	
22	**CPS**+1'	General/entire consignment
23	**PAC**+4++201'	There are 4 pallets
22	**CPS**+2+1'	The first packing (pallet level) is being described.
23	**PAC**+1++201'	It concerns 1 pallet
27	**PCI**+33E'	
30	**GIN**+BJ+<SSCC-1>'	The logistic unit is marked with SSCC-1
27	**PCI**+41G'	The pallet type is identified by nGRAI-1
30	**GIN**+DA+<nGRAI-1>'	
22	**CPS**+3+2'	The packing within the pallet level (crate level) is being described.
23	**PAC**+14++CR'	It concerns 14 crates of type nGRAI-2.
27	**PCI**+41G'	
30	**GIN**+DA+<nGRAI-2>'	
31	**LIN**+1++<GTIN-1>:SRV'	The 14 crates carry in total
32	**PIA**+1+LOT545:NB'	28 units of GTIN-1.
35	**QTY**+12:28'	
38	**DTM**+361:201309120000:203'	

[5] Notice how this DESADV example does not split up the 6 and 8 crates (because they have the same crate type). Nevertheless, if relevant for one reason or another, you could easily split up the two by repeating the CPS-PAC-PCI-GIN segment group. If so, you end up with CPS+5+4 specifying the 6 crates, and CPS+6+4 specifying the 8 crates.
[6] Check the (technical) DESADV documentation (p 14 and 15) for more information about making hierarchical relationships via the CPS segment group.

22 **CPS**+4+1' 23 **PAC**+1++201' 27 **PCI**+33E' 30 **GIN**+BJ+<SSCC-2>' 27 **PCI**+41G' 30 **GIN**+DA+<nGRAI-1>'	The next packing on pallet level is being described. It concerns 1 pallet The logistic unit is marked with SSCC-2 The pallet type is identified by nGRAI-1
22 **CPS**+5+4' 23 **PAC**+14++CR' 27 **PCI**+41G' 30 **GIN**+DA+<nGRAI-2>' 31 **LIN**+2++<GTIN-1>:SRV' 32 **PIA**+1+LOT545:NB' 35 **QTY**+12:12' 38 **DTM**+361:201309120000:203' 31 **LIN**+3++5422222001001:SRV' 32 **PIA**+1+LOT546:NB' 35 **QTY**+12:24' 38 **DTM**+361:201309130000:203'	As for the crate level, there are 14 crates on SSCC-2. The crate type is identified by nGRAI-2. The 14 crates carry in total 12 units of GTIN-1 and 24 units of GTIN-2.
22 **CPS**+6+1' 23 **PAC**+1++201' 27 **PCI**+33E' 30 **GIN**+BJ+<SSCC-3>' 27 **PCI**+41G' 30 **GIN**+DA+<nGRAI-1>'	The third packing on pallet level is being described. It concerns 1 pallet Logistic unit is marked with SSCC-3 The pallet type is identified by nGRAI-1 
22 **CPS**+7+6' 23 **PAC**+6++CR' 27 **PCI**+41G' 30 **GIN**+DA+<nGRAI-2>' 31 **LIN**+4++<GTIN-1>:SRV' 32 **PIA**+1+LOT545:NB' 35 **QTY**+12:12' 38 **DTM**+361:201309120000:203'	On crate level, the first crate type is being described. It concerns 6 crates of type nGRAI-2. The 6 crates carry in total 12 units of GTIN-1.
22 **CPS**+8+6' 23 **PAC**+8++CR' 27 **PCI**+41G' 30 **GIN**+DA+<nGRAI-3>' 31 **LIN**+5++<GTIN-2>:SRV' 32 **PIA**+1+LOT546:NB' 35 **QTY**+12:24' 38 **DTM**+361:201309130000:203'	Still on crate level, the second crate type and its content is being described. The 8 crates carry in total 24 units of GTIN-2.
22 **CPS**+9+1' 23 **PAC**+1++201' 27 **PCI**+33E' 30 **GIN**+BJ+<SSCC-4>'	The fourth packing on pallet level is being described. It concerns 1 pallet Logistic unit is marked with SSCC-4 

27 30	**PCI**+41G' **GIN**+DA+<nGRAI-1>'	The pallet type is identified by nGRAI-1
22 23 27 30 31 32 35 38	**CPS**+10+9' **PAC**+18++CR' **PCI**+41G' **GIN**+DA+<nGRAI-3>' **LIN**+6++<GTIN-2>:SRV' **PIA**+1+LOT545:NB' **QTY**+12:28' **DTM**+361:201309120000:203'	As for the crate level, it concerns 18 crates of type nGRAI-3. The crates carry in total 28 units of GTIN-2.
22 23 27 30	**CPS**+11+9' **PAC**+2++CR' **PCI**+41G' **GIN**+DA+<nGRAI-3>'	Still on crate level, 2 crates of type nGRAI-3 are mentioned separately without LIN segment underneath. These are considered as empty 'stabilization' crates.
56 57 ..	**CNT**+2:6' **UNT**+68+5174' **UNZ**+1+4568'	In total, there are 6 line items. In total, there are 68 segment lines Interchange trailer

How to cover empty assets that are part of a logistic unit?
(E.g. stabilization crates)
This is the case when empty crates are placed on top of 'crates containing goods'. These empty assets are distinguished from the 'assets carrying goods', by mentioning them in another CPS-PAC-PCI-GIN segment group **without** a referring LIN segment underneath. (See example above, case SSCC-4).

How to cover empty assets that are NOT part of the logistic unit?
This is the case when empty assets are transported in the same truck and thus considered as part of the consignment, but packed separately from the goods.

Because this empty RTI is **NOT** part of the logistic unit, it is expected in the non-structured part of the DESADV, i.e. **between CPS+1' and CPS+2+1**' requiring a specific approach and code value (see example below). Note that this is the only business case in which the LIN segment only indicates a sequence number.

#		
22 23 31 32 35	… **CPS**+1' **PAC**+4++201' **LIN**+1' **PIA**+5+<nGRAI-3>:**SUE**' **QTY**+12:10'	General/entire consignment There are 4 (loaded) pallets 10 empty assets of nGRAI-3 are despatched. 
22 23 27 30 31	**CPS**+2+1' **PAC**+1++201' **PCI**+41G' **GIN**+DA+<nGRAI-1>' **LIN**+2++<GTIN-1>:SRV' …	The first packing (pallet level) is being described. It concerns 1 pallet, carrying GTIN-1.

Example 3: Serialized crates on pallets
The supplier sends 2 pallets with serialized crates.
The first logistic unit (SSCC-1) carries
crate sGRAI-1 containing 2 units of GTIN-1,
crate sGRAI-2 containing 2 units of GTIN-1,
crate sGRAI-3 containing 2 units of GTIN-1,
…

Notice how the DESADV explicitly specifies 'per pallet' and 'per serialized crate' its content (in that top down order) via the 'CPS-PAC-PCI-GIN segment group'.

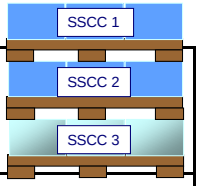
#		
	…	
22	**CPS**+1'	General/entire consignment
23	**PAC**+2++201'	There are 2 pallets
22	**CPS**+2+1'	The first packing (pallet level) is being described.
23	**PAC**+1++201'	It concerns 1 pallet
27	**PCI**+33E'	
30	**GIN**+BJ+<SSCC-1>'	The logistic unit is marked with SSCC-1
27	**PCI**+41G'	
30	**GIN**+DA+<nGRAI-1>'	The pallet type is identified by nGRAI-1
22	**CPS**+3+2'	The packing within the pallet level (crate level) is being described.
23	**PAC**+1++CR'	It concerns a serialized crate (cf. code DB[7]) identified by **s**GRAI-1.
27	**PCI**+41G'	
30	**GIN**+**DB**+<**s**GRAI-1>'	
31	**LIN**+1++<GTIN-1>:SRV'	This crate contains 2 units of GTIN-1. 
32	**PIA**+1+LOT545:NB'	
35	**QTY**+12:2'	
38	**DTM**+361:201309120000:203'	
22	**CPS**+4+2'	Still on crate level.
23	**PAC**+1++CR'	
27	**PCI**+41G'	The second serialized crate identified by **s**GRAI-2. also contains 2 units of GTIN-1. 
30	**GIN**+**DB**+<**s**GRAI-2>'	
31	**LIN**+2++<GTIN-1>:SRV'	
32	**PIA**+1+LOT545:NB'	
35	**QTY**+12:2'	
38	**DTM**+361:201309120000:203'	
22	**CPS**+5+2'	Still on crate level.
23	**PAC**+1++CR'	
27	**PCI**+41G'	The third serialized crate identified by **s**GRAI-3 contains 2 units of GTIN-1. 
30	**GIN**+**DB**+<**s**GRAI-3>'	
31	**LIN**+3++<GTIN-1>:SRV'	
	…	

[7] It speaks for itself that the use of qualifier "DB" is not restricted to crates. It can be used for any kind of RTI that needs to be individually identified.

4. Delivery of complex pallets

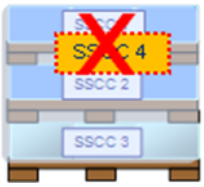
Tip: Recommendations on the SSCC labeling of complex pallets can be found on
http://www.gs1belu.org/nl/publicaties/handleidingen/gs1-logistiek-etiket
http://www.gs1belu.org/fr/publications/manuels/gs1-etiquette-logistique

Example 1: Stacked pallets *(with or without global wrapping)*
Supplier delivers 9 logistic units stacked on top of each other.

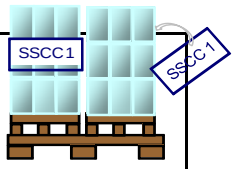


#22 #23	... **CPS+1'** PAC+**9**++201'	General consignment level The shipment contains 9 pallets
#22 #23 #24 #27 #30 #27 #30 #31 #34 #35	**CPS+2+1'** PAC+1++201' MEA+PD+AAC+KGM:200' OPTIONAL PCI+33E' GIN+BJ+*SSCC-1*' PCI+41G' GIN+DA+*nGRAI-1*' LIN+1++*GTIN-1*:SRV' MEA+PD+AAC+KGM:200' REQUIRED when relevant QTY+12:*50*'	Description of 1st packing It concerns 1 pallet The logistic unit is identified by *SSCC-1* The pallet type is identified by nGRAI-1 The logistic unit contains 50 units of *GTIN-1*
#22 #23 #27 #30 #27 #30 #31 #34 #35	**CPS+3+1'** PAC+1++201' PCI+33E' GIN+BJ+*SSCC-2*' PCI+41G' GIN+DA+*nGRAI-1*' LIN+2++*GTIN-1*:SRV' MEA+PD+AAC+KGM:200' REQUIRED when relevant QTY+12:*50*'	Description of 2nd packing It concerns 1 pallet The logistic unit is identified by *SSCC-2* The pallet type is identified by nGRAI-1 The logistic unit contains 50 units of *GTIN-1*
#22 #23 #27 #30 #27 #30 #31 #34 #35	**CPS+4+1'** PAC+1++201' PCI+33E' GIN+BJ+*SSCC-3*' PCI+41G' GIN+DA+*nGRAI-1*' LIN+3++*GTIN-1*:SRV' MEA+PD+AAC+KGM:200' REQUIRED when relevant QTY+12:*50*' ...	Description of 3rd packing It concerns 1 pallet The logistic unit is identified by *SSCC-3* The pallet type is identified by nGRAI-1 The logistic unit contains 50 units of *GTIN-1*

How to cover stacked pallets that are wrapped together?
It makes no difference whether or not the logistic units are wrapped together. However, should there be an optional global label (with serial code) on top of the 3 stacked pallets, then this code is **NOT** to be mentioned in the DESADV.



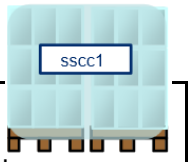
Example 2: Half pallets delivered on mother pallet *(with or without wrapping)*
The supplier delivers 9 logistic units, each carrying 2 half pallets[8].

... CPS+1' PAC+9++201’	 General consignment level The shipment contains 9 normal pallets (irrespective of the half pallets it’s carrying)
CPS+2+1' PAC+1++201’ MEA+PD+AAC+KGM:150’OPTIONAL PCI+33E’ GIN+BJ+*SSCC-1’* *PCI+41G’* GIN+DA+*nGRAI-1'*	Description of the 1st packing (mother pallet) It concerns 1 pallet. The logistic unit is identified by SSCC-1. The asset type (mother pallet) is identified by nGRAI-1.
CPS+3+2’ PAC+1++200’ PCI+41G’ GIN+DA+*nGRAI-2’* LIN+1++*GTIN-1*:SRV’ PIA+1+LOT656:NB’ MEA+PD+AAC+KGM:75’ REQUIRED when relevant QTY+12:*40*' DTM+361:201310100000:203’	Description of the packing (on half pallet level) It concerns 1 half pallet. The asset type is identified by nGRAI-2. The half pallet is carrying 40 units of GTIN-1, with best before date 10th of Oct 2013 and lot number LOT656.
CPS+4+2’ PAC+1++200’ PCI+41G’ GIN+DA+*nGRAI-2’* LIN+2++*GTIN-1*:SRV’ PIA+1+LOT650:NB’ MEA+PD+AAC+KGM:75’ REQUIRED when relevant QTY+12:*40*' DTM+361:201308100000:203’	Still on half pallet level It concerns another half pallet. The asset type is identified by nGRAI-2. The half pallet is carrying 40 units of GTIN-1, with best before date 10th of Aug 2013 and lot number LOT650.
CPS+5+1' ...	Description of the second (mother) pallet.

Note: Although the content is described on ‘half pallet level’, the SSCC is only indicated on the (above mentioned) mother pallet level. The hierarchical composition (with CPS+**2**+1 indicating the SSCC and CPS+3+**2**; CPS+4+**2** describing the content) allows to link the SSCC to the content of the half pallets.

[8] Note that the whole (i.e. the mother pallet together with the half pallets) is to be regarded as 1 logistic unit. This composition is thus identified by 1 SSCC (instead of a SSCC per half pallet).

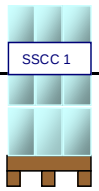
Example 3: Half pallets without mother pallet, but wrapped together
The supplier delivers 4 logistic units, consisting of 8 half pallets.[9]



... CPS+1' PAC+8++**200**’	General consignment level The shipment contains 8 half pallets
CPS+2+1' PAC+**2**++200’ MEA+PD+AAC+KGM:150'OPTIONAL *PCI+33E’* *GIN+BJ+SSCC-1’* *PCI+41G’* *GIN+DA+nGRAI-2'* LIN+1++*GTIN-1*:SRV’ **MEA**+PD+AAC+KGM:130' REQUIRED when relevant PIA+1+LOT656:NB’ QTY+12:*40*' DTM+361:201310100000:203’ LIN+2++*GTIN-2*:SRV’ **MEA**+PD+AAC+KGM:20' REQUIRED when relevant PIA+1+LOT670:NB’ QTY+12:*60*' DTM+361:201310200000:203’	Description of the 1st packing The packing consists of 2 half pallets. The logistic unit is identified by SSCC-1. The asset types are identified by nGRAI-2. The logistic unit carries 40 units of GTIN-1, with best before date 10th of Oct 2013 and lot number LOT656. The logistic unit also carries 60 units of GTIN-2, with best before date 20th of Oct 2013 and lot number LOT670.
CPS+3+1’ PAC+**2**++200’ *PCI+33E’* *GIN+BJ+SSCC-2’* *PCI+41G’* *GIN+DA+nGRAI-2'* LIN+3++*GTIN-1*:SRV’ ...	Description of the next packing. The packing consists of 2 half pallets. The logistic unit is identified by SSCC-2. The asset types are identified by nGRAI-2.

[9] Note that the “2 half pallets wrapped together” are to be regarded as the logistic unit, and are thus identified by 1 SSCC only (instead of each half pallet separately).

Example 4: Single half pallet
The supplier delivers 3 (single) half pallets, each identified by SSCC.



... CPS+1' PAC+3++**200**’	General consignment level The shipment contains 3 half pallets
CPS+2+1' PAC+**1**++200’ MEA+PD+AAC+KGM:150'OPTIONAL *PCI+33E’* *GIN+BJ+SSCC-1’* *PCI+41G’* *GIN+DA+nGRAI-2'* LIN+1++*GTIN-1*:SRV’ PIA+1+LOT656:NB’ MEA+PD+AAC+KGM:150' REQUIRED when relevant QTY+12:*40*' DTM+361:201310100000:203’	Description of the 1st packing The packing consists of a half pallet. The logistic unit is identified by SSCC-1. The asset type is identified by nGRAI-2. The logistic unit is carrying 40 units of GTIN-1, with best before date 10th of Oct 2013 and lot number LOT656.
CPS+3+1’ PAC+**1**++200’ MEA+PD+AAC+KGM:150' *PCI+33E’* *GIN+BJ+SSCC-2’* *PCI+41G’* *GIN+DA+nGRAI-2'* LIN+2++*GTIN-2*:SRV’ PIA+1+LOT730:NB’ MEA+PD+AAC+KGM:150' REQUIRED when relevant QTY+12:*60*' DTM+361:201310200000:203’ ...	Description of the next packing. The packing consists of a half pallet. The logistic unit is identified by SSCC-2. The asset type is identified by nGRAI-2. The logistic unit is carrying 60 units of GTIN-2, with best before date 20th of Oct 2013 and lot number LOT730.

5. Delivery of self-assembled trolleys (variable number of shelves)

Whenever possible a trolley should be identified with only 1 (nGRAI) code. In some cases however, the supplier 'assembles' the trolley and shelves himself. If these self-assembled trolleys can only be identified by (the nGRAI of) its composing parts (e.g. wheels, shelves) then this is done as follows:

Example 1: Self-assembled uniform trolley. The supplier delivers a uniform trolley (carrying 50 units of GTIN-1). Note how the supplier specifies the number of shelves (5) in an additional CPS-PAC segment group.

	…	
#22	**CPS+2+1'**	It concerns 1 trolley.
#23	PAC+1++TRE'	
#27	PCI+33E'	The logistic unit is marked with SSCC.
#30	GIN+BJ+*SSCC-1*'	The asset type is identified by nGRAIs
#27	PCI+41G'	(it concerns the trolley post
#30	GIN+DA+8716532001140'	and the wheels)
#30	GIN+DA+8716532001119'	
#22	**CPS+3+2'**	The second packing is being described
#23	PAC+**5**++PU'	(i.e. the 5 shelves on the trolley).
#27	PCI+41G'	
#30	GIN+DA+8716532001157'	The asset type is identified by nGRAI (shelf)
#31	LIN+1++<*GTIN-1*>:SRV'	The 5 shelves carry 50 units of GTIN-1.
#35	QTY+12:50'	
	…	

Example 2: Self-assembled mixed trolley. The supplier delivers a mixed trolley (carrying different GTINs). In this case it is recommended (by the EDI Committee) to specify the content per shelf (as such):

	…	
#22	**CPS+2+1'**	It concerns 1 trolley.
#23	PAC+1++TRE'	
#27	PCI+33E'	The logistic unit is marked with SSCC.
#30	GIN+BJ+*SSCC-1*'	The asset type is identified by nGRAIs
#27	PCI+41G'	(it concerns the trolley post
#30	GIN+DA+8716532001140'	and the wheels)
#30	GIN+DA+8716532001119'	
#22	**CPS+3+2'**	The second packing is being described
#23	PAC+**1**++PU'	(i.e. the first shelf on the trolley).
#27	PCI+41G'	
#30	GIN+DA+8716532001157'	The asset type is identified by nGRAI (shelf)
#31	LIN+1++<*GTIN-1*>:SRV'	The shelf carries 10 units of GTIN-1.
#35	QTY+12:10'	
	…	
#22	**CPS+4+2'**	The next shelf is being described.
#23	PAC+**1**++PU'	
#27	PCI+41G'	

#30	GIN+DA+8716532001157’	
#31	LIN+1++<*GTIN-2*>:SRV’	The shelf carries 15 units of GTIN-2.
#35	QTY+12:15' …	

6. Goods with a variable weight

***Example**: The supplier delivers 16 trays of apples (= 16 x GTIN-1), representing 201.365 kg in total.*

	...	
#22	**CPS+2+1'**	Description of 1st packing The packing consists of a pallet
#23	PAC+1++201’	
#24	MEA+PD+AAC+KGM:201.365'	
	OPTIONAL	
#27	PCI+33E’	
#30	GIN+BJ+*SSCC-1*’	The logistic unit is identified by *SSCC-1* The pallet type is identified by nGRAI-1
#27	PCI+41G’	
#30	GIN+DA+*nGRAI-1*’	
#31	LIN+1++<*GTIN-1*>:SRV’	The logistic unit carries 16 units of GTIN-1 (=16 trays), representing 201.365 kg
#32	PIA+1+LOT730:NB’	
#34	MEA+PD+AAC+KGM:201.365'	
	REQUIRED	
#35	QTY+12:***16***'	
#38	DTM+361:201312310000:203’	
	…	

Corresponding GS1 logistic label:

Note: Whenever possible, the ‘order unit’ and ‘delivery unit’ should be expressed in ‘number of crates/cases/pallets/other’ (GTIN) together with their ‘exact weight/dimensions’.

Note: If it concerns a **delivery in bulk** for which the quantity can only be expressed in kg, l or m, the DESADV should express #35 QTY+12:**1**’ and have its exact weight specified in #34 MEA+PD+AAC+KGM:<net weight>’.

7. Goods subject to traceability requirements

Example 1: Traceability of meat[10]
The supplier delivers 20 crates on a pallet, of which each crate contains 12 trays of minced meat. The net weight and traceability data is mentioned on line level.

Note: The example below shows (in red) the minimally required elements for meat (i.e. the 'batch or Sanitel number' for traceability purposes, and the 'best before date' for food safety). On top of that, the example shows (in blue) optional elements that can be mentioned for meat traceability (when relevant).

	…	
22	**CPS**+3+2'	The packing is being described
23	**PAC**+1++CR'	It concerns 1 crate
31	**LIN**+1++<GTIN-1>:SRV'	
32	**PIA**+1+LOT545:NB' REQUIRED	Batch number
34	**MEA**+PD+AAC+KGM:5.365' REQUIRED	Exact net weight of GTIN-1 in that crate
35	**QTY**+12:12'	12 units (e.g. 12 trays of minced meat)
38	**DTM**+361:201309120000:203' REQUIRED	Best before date
38	DTM+X20:201309080000:203'	Slaughter date
38	DTM+2BE:201309080000:203'	Cutting date
38	DTM+365:201309080000:203'	Packing date
41	**RFF**+YC5:EEG93'	Veterinary approval n° slaughterhouse
41	**RFF**+YC4:EEG93'	Veterinary approval n° cutting plant
43	LOC+241+BE::5'	Country of birth
43	LOC+242+BE::5'	Country of fattening
43	LOC+243+BE::5'	Country of slaughter
43	LOC+244+BE::5'	Country of cutting
43	LOC+246+<GLN slaughterhouse>::9' LOC+246+014::6'	Slaughterhouse identification (either by GLN or COMEOS code)
43	LOC+30E+<GLN cutting plant>::9' LOC+30E+014::6'	Cutting plant identification (either by GLN or COMEOS code)
	…	

[10] Note that the manual for 'identification and traceability of meat' can be found on http://www.gs1belu.org/nl/publicaties/handleidingen/tracering-vlees-en-vleeswaren / http://www.gs1belu.org/fr/publications/manuels/tracabilite-de-la-viande-et-des-produits-de-viande

Example 2: Traceability of 'bulk meat that has to stay together'

*The meat supplier delivers 32 crates on a pallet, of which the first 4 crates need to stay together (when delivered to the stores). The serialized crates are connected 'to one another' via additional identification (PCI+16+**1**A; PCI+16+**1**B; up to **1**D). The next 4 crates (containing pieces of bulk meat with the same GTIN and Sanitel n°) also need to stay together. These are assigned numbers **2**A, **2**B, **2**C and **2**D.*

Note: This concerns a specific business case. It is only to be implemented if bilaterally agreed beforehand with the retailer. It is the case of bulk meat that doesn't *fit in/on* 1 logistic carrier (RTI/asset) but that has to stay together (when delivered to the stores). E.g. pieces of beef/pork/other type that are put in more than 1 crate but that need to stay together when delivered to the stores. It requires the use of **#27 PCI+16** which allows to connect *serialized* logistic carriers to one another.

#	…	
22	**CPS**+1'	General/entire consignment
23	**PAC**+1++201'	There is 1 pallet
22	**CPS**+2+1'	The first packing (pallet level) is being described.
23	**PAC**+1++201'	It concerns 1 pallet.
24	**MEA**+PD+AAC+KGM:580.100' OPTIONAL	
24	**MEA**+PD+T+KGM:3.200' DEPENDENT	Tare weight (Only required in case of a 'wooden pallet carrying variable weight products' and provided it's bilaterally agreed beforehand).
27	**PCI**+33E'	
30	**GIN**+BJ+<SSCC-1>'	The logistic unit is marked with SSCC-1.
27	**PCI**+41G'	
30	**GIN**+DA+<nGRAI-1>'	The pallet type is identified by nGRAI-1.
22	**CPS**+3+2'	The packing within the pallet level (crate level) is being described. 
23	**PAC**+1++CR'	
24	**MEA**+PD+AAC+KGM:19.960' OPTIONAL	It concerns a serialized crate identified by sGRAI-1.
27	**PCI**+41G'	
30	**GIN**+DB+<**s**GRAI-1>'	This crate (assigned number '1A') should stay together with crates 1B, 1C & 1D.
27	**PCI**+16+1A'	
23	**PAC**+1++CR'	The second serialized crate identified by sGRAI-2, and assigned number '1B' should stay together with crates 1A, 1C & 1D. 
24	**MEA**+PD+AAC+KGM:19.530' OPTIONAL	
27	**PCI**+41G'	
30	**GIN**+DB+<**s**GRAI-2>'	
27	**PCI**+16+1B'	
23	**PAC**+1++CR'	The third serialized crate identified by sGRAI-3, and assigned number '1C' should stay together with crates 1A, 1B & 1D. 
24	**MEA**+PD+AAC+KGM:15.720' OPTIONAL	
27	**PCI**+41G'	
30	**GIN**+DB+<**s**GRAI-3>'	
27	**PCI**+16+1C'	
23	**PAC**+1++CR'	The fourth serialized crate identified by sGRAI-4, and assigned number '1D' should stay together with crates 1A, 1B & 1C. 
24	**MEA**+PD+AAC+KGM:27.050' OPTIONAL	
27	**PCI**+41G'	
30	**GIN**+DB+<**s**GRAI-4>'	
27	**PCI**+16+1D'	

31 32 34 35 38	**LIN**+1++<GTIN-1>:SRV' **PIA**+1+<SANITEL N-1>:X2' REQUIRED **MEA**+PD+AAC+KGM:82.260' REQUIRED **QTY**+12:**1**' **DTM**+361:201309120000:203' REQUIRED	These 4 crates contain pieces of bulk meat (GTIN-1). For traceability purposes and food safety, both Sanitel n° (or batch n°) and best before date are specified. Other information elements are optional.
22 23 24 27 30 27	**CPS**+4+2' **PAC**+1++CR' **MEA**+PD+AAC+KGM:19.160' OPTIONAL **PCI**+41G' **GIN**+DB+<**s**GRAI-5>' **PCI**+16+2A'	Still on crate level. The fifth serialized crate identified by sGRAI-5, and assigned number '2A', should stay together with crates 2B, 2C & 2D. 
23 24 27 30 27	**PAC**+1++CR' **MEA**+PD+AAC+KGM:18.610' OPTIONAL **PCI**+41G' **GIN**+DB+<**s**GRAI-6>' **PCI**+16+2B' …	The sixth serialized crate identified by sGRAI-6, and assigned number '2B', should stay together with crates 2A, 2C & 2D. 

Example 3: Traceability of fish

Note: The international EDI community is working on EANCOM recommendations to cover the legal requirements of fish traceability. When these will be available, this document will be updated.

8. Direct delivery to a store

Note: For **direct store deliveries**, it suffices to indicate the store's GLN in #9 NAD+DP, which is by the way in line with the recommendations of GS1 NL and GS1 FR.

9. Cross docking & transshipment (synonym 'flux alloti')

Cross docking implies that only 1 ultimate destination was specified in the order, whereas transshipment implies that the goods are intended for 'n' ultimate destinations.

Note: For **cross docking** or **transshipment**, use indication #2 BGM+**YA6** (instead of BGM+351). As for the ultimate destination(s), use
- (#9) NAD+UC in case of cross docking (for '1' ultimate destination).
- (#43) LIN.LOC+7' in case of transshipment. Specify on line level for which store the logistic unit (SSCC) is ultimately intended.

Notice that #9 NAD+DP specifies the GLN of the delivery address (where the goods will be delivered in the first place).

The SSCC may contain goods for only 1 store.

	…	
1	**UNH**+5174+**DESADV**:D:01B:UN:EAN007'	Message header
2	**BGM**+**YA6**+2820+9'	The cross docking/transshipment DESADV number
3	**DTM**+137:201305300000:203'	Message date 30th of May 2013
3	**DTM**+2:201305300000:203'	Requested delivery date 30th of May 2013
3	**DTM**+17:201305300000:203'	Estimated delivery date 30th of May 2013
7	**RFF**+ON:1202'	DESADV is related to order number 1202
9	**NAD**+BY+5411111000002::9'	Buyer identified by GLN 5411111000002
9	**NAD**+SU+5422222000005::9'	Supplier identified by GLN 5422222000005
9	**NAD**+DP+5411111000115::9'	Delivery party identified by GLN 5411111000115
22	**CPS**+1'	General/entire consignment
23	**PAC**+2++201'	There are 2 (loaded) pallets
22	**CPS**+2+1'	The first packing is being described
23	**PAC**+1++201'	It concerns 1 pallet
27	**PCI**+33E'	
30	**GIN**+BJ+<SSCC-1>'	Pallet is marked with SSCC-1
31	**LIN**+1++<GTIN-1>:SRV'	
32	**PIA**+1+LOT545:NB'	
35	**QTY**+12:27'	
38	**DTM**+361:201309120000:203'	
43	**LOC**+7+<GLN store>::9'	The articles on this SSCC are intended for store X.

As for the **GS1 logistic label**, for some retailers it is desirable to have the 'GLN of the ultimate recipient' together with its name in the free text part on the label. Optionally this could also be encoded. (Barcodes.Support@gs1belu.org).

10. Backhauling

Note: For **backhauling** (meaning 'the buyer picks up the goods'), the GLN of the 'pickup address' is to be specified (via #9 NAD+SF).

Optionally, the supplier may add the explicit mention that 'the buyer picks up the goods' (via #14 TOD+4, collected by customer) and 'the date on which the goods are expected to be shipped' (via #3 DTM+11, despatch date).

Note that a collection date should be arranged beforehand. Under no circumstance should the DESADV be used as a way to agree a pickup date.

	… 1 **UNH**+5174+**DESADV**:D:01B:UN:EAN007' 2 **BGM**+351+2310+9' 3 **DTM**+137:201305300000:203' 3 **DTM**+2:201306100000:203' 3 DTM+11:201306100000:203'OPTIONAL 7 **RFF**+ON:1202' 9 **NAD**+BY+5411111000002::9' 9 **NAD**+SU+5422222000005::9' 9 **NAD**+DP+5411111000115::9' 9 **NAD**+**SF**+5422222000005::9' 14 TOD+4' OPTIONAL	The place of delivery (irrespective of the buyer taking care of transport) is still the buyer's DC/store. The GLN of the NAD+SF is to be considered as the pickup address. 'Collected by customer'
22 23	**CPS**+1' **PAC**+2++201'	General/entire consignment There are 2 pallets
22 23 27 30 31 32 35 38	**CPS**+2+1' **PAC**+1++201' **PCI**+33E' **GIN**+BJ+<SSCC-1>' **LIN**+1++<GTIN-1>:SRV' **PIA**+1+LOT545:NB' **QTY**+12:27' **DTM**+361:201309120000:203' …	The first packing is being described It concerns 1 pallet Pallet is marked with SSCC-1 

11. About

How to cover *different* best before dates and/or batch numbers within one GTIN?
In the DESADV: Specify for each different best before date and/or batch number, the GTIN and its corresponding quantity. How? By repeating the LIN segment group with the GTIN and specifying its quantity, best before date and batch number.

On the 'GS1 logistic label for a uniform pallet': in the case of different 'best before dates', either mention the 'most critical date' or 'no date at all'. In the case of different batch numbers, don't mention any batch number.

What if more or less goods are despatched in regards to what was *ordered?*
Only mention the quantity that is really despatched. The EDI Committee decided to remove the QVR segment (allowing to indicate discrepancies) from the DESADV documentation. (Cf. 25/10/2013)

Note: Trading partners should bilaterally agree beforehand whether or not 'excess or missing quantity' is acceptable, and in the latter case, if backorders are used (and how they should be dealt with).

What if the delivery contains *free goods*?
Only mention the total despatched quantity (QTY+12). There is no distinction for free goods. The EDI Committee decided to remove code value 192 from the QTY segment. This is to avoid unnecessary complexity (e.g. when the supplier delivers less goods than ordered, which might affect the commercially agreed number of free goods). (Cf. 14/02/2014)

What if the supplier delivers *promotional* articles (having the *same* GTIN as the regular article)?
There is no specific indication for these promotional articles. The EDI Committee decided to remove the indication for 'promotional variant number' from the DESADV. (Cf. 25/10/2013)

What if goods are delivered '*in consignment*'?
For goods delivered in consignment, there is no specific indication in the DESADV.

How to cover '*consumer empties*'?
There is no specific indication for consumer empties. The EDI Committee decided that consumer empties should not be made explicit in the DESADV. (Cf. 25/10/2013 & 05/05/2015)

What if the logistics service provider (LSP) did not load all prepared pallets (but the DESADV is already sent)?
The supplier is to contact the customer to inform him/her.

Whose GLN to mention if the logistics service provider (LSP) of the supplier prepared the logistic units and sent the DESADV?
Optionally specify the GLN of the LSP by using NAD+DEQ (shipper). Possibly useful for the Receiving advice in case goods got damaged during transport.