PACKAGING TRACKING RECORD LAYOUT

ANGAISA C2a

TO COMMUNICATE MEASURES AND WEIGHTS ARTICLES AND PACKAGING

26.01.2017 update

The PACKAGING tracking allows communicating the data concerning the **article** and **its possible packaging** relative to: **Sizes, Weights, Volumes, Packaging Codes, Barcodes, Packaging Quantity.**

The identification of all possible packaging aims at the automation and control of logistics processes.

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PACKAGING TRACKING RECORD LAYOUT

TECHNICAL NOTES

Type of File	**ASCII UTF8 AT FIXED POSITIONS**		
Name	**Code B2B ANGAISA_YYYYMMDD.C2a**		
	Code B2B ANGAISA	Unique identification code of the company consisting in 12 characters, this is the ANGAISA B2B Code assigned by ANGAISA to the supplier. The code list and the code request form are available on the ANGAISA website as part of the INNOTECH – E-Commerce section sector.	
	YYYYMMDD	Year + Month + Day in which the file was created (E.g. 24 March 2017 = 20170324)	
	C2a	Suffix that identifies the type of tracking (C2) and the version (a) of the tracking	
Numerical fields	In the fixed tracking format, they are always expressed without a decimal separator, without the thousands' separator, aligned on the right, with non-significant 0 (zero); if for example the value is "14.3" and the field is 10 digits of which 6 integers and 4 decimals, indicate "0000143000".		
Alphanumeric fields	Lined to the left		
Record end	The end-of-record elements are a "carriage-return" and a "line feed" (CR+LF) [chr$ (13) + chr$(10)].		

PACKAGING TRACKING RECORD LAYOUT

Trace of RECORD

Ref.	O - R	Field Name	Type	Length Tot.	Length Pos.	Dec	Description
01	O	SiglaMarca	Text	3	1		Brand Initials from Databank EURECA2008
02	O	CodArt	Text	50	4		Article Code from Supplier
03	R	ArtTipCodBarre	Text	2	54		Article Barcode Type
04	R	ArtCodBarre	Text	50	56		Article Barcode
05	O	TipoImballo	Text	3	106		Packaging type code/packaging
06	R	ConfTipCodBarre	Text	2	109		Type of Barcode assigned to the Packaging
07	R	ConfCodBarre	Text	50	111		Packaging barcode or logistics-packaging code
08	O	UmQtaConf	Text	3	161		Unit of Measure for the quantity of articles in the packaging
09	O	QtaConf	Num	10	164	3	Quantity of articles in the packaging expressed in the Unit of Measure PackQtyUm
10	R	Reciproco	Num	1	174		Indicates if the packaging is below (1), equal (0) or above (2) the one on the list
11	R	Ribaltabile	Text	1	175		Indicates if the article can be folded S/N (Yes/No)
12	O	ConfBaseMax	Num	10	176	3	Greater measure of the base (width) of the package expressed in metres.
13	O	ConfBaseMin	Num	10	186	3	Minimum measure of the base (depth) of the package expressed in metres.
14	O	ConfAltezza	Num	10	196	3	Package height expressed in metres
15	O	ConfVolume	Num	10	206	3	Volume of the package expressed in dm^3 (cubic decimetres)
16	O	UmPeso	Text	3	216		Unit of measure with which the weights from "Unit of measure Table" are indicated
17	O	ConfPesoLordo	Num	10	219	3	Gross weight of the package (package + articles) expressed in UmPeso
18	O	ConfPesoArt	Num	10	229	3	Gross weight of article/s included in the package expresses in UmPeso
19	R	RamePeso	Num	10	239	3	Quantity of copper in the product expressed in Kg/Km
20	O	CodiceINTRASTAT	Text	8	249		INTRASTAT commodity code
21		Filler	Text	144	257		Empty field for future use
				400			

ROW FIELDS Detail

01	**SiglaMarca**	**Brand Initials**

Mandatory alphanumeric field of 3 characters that represents the brand's univocal identifier.
Structured based on the three alphanumeric characters, it is used by the Distribution to aggregate the article or to characterise its code or description.
The coding is available free of charge within the EURECA2008 database Service where it is managed. Within the Service, the registered user can download the file with all the brand names already assigned, by clicking the **BRAND INITIALS** button.

02	**CodArt**	**Article Code**

Mandatory alphanumeric field of 50 characters to update with the univocal code assigned to the article that characterises it on the price list.

03	**ArtTipCodBarre**	**Type of Barcode assigned to the article from "TYPE OF BARCODE Table"**

Recommended alphanumeric field of 3 characters to be updated if the article is characterised by a barcode; in this case, update with the type of barcode used in compliance with the attached "BARCODE TYPE Table"; otherwise do not fill in.

04	**ArtCodBarre**	**Article barcode**

Recommended alphanumeric field of 50 characters to update with the barcode assigned to the article.

05	**TipoImballo**	**Package-Packaging Type Code from the "PACKAGE-PACKAGING TYPE" Table**

Mandatory alphanumeric field of 3 characters to update with the packaging type code in compliance with the "PACKAGE-PACKAGING TYPE Table"

06	**ConfTipCodBarre**	**Type of Barcode assigned to the Package from the "BARCODE TYPE Table"**

Recommended alphanumeric field of 3 characters to update if the package is characterised by a barcode; in this case, update with the type of barcode used in compliance with the attached "BARCODE TYPE Table"; otherwise do not fill in.

07	**ConfCodBarre**	**Packaging barcode**

Recommended alphanumeric field of 50 characters to update with the barcode assigned to the package.
If the **package** is **characterised** with a **barcode**, its value should be reported in this field.
If the **package does not** have a barcode but is **marked** with its own **identification code,** indicate this in this field.

08	**UmQtaConf**	**Unit of Measure for the quantity of articles in the packaging from "UNIT OF MEASURE Table"**

Mandatory alphanumeric field of 3 characters indicating the unit of measure for the quantity of articles included in the package, expressed in compliance with the "UNIT OF MEASURE" table.
An *ANGAISA convention (ANGAISA pricelist)* that an article is characterised even by the following fields (if treated):

- **Base Measurement Unit (UmBase)** indicates the **unit of measure referred to in the article** that does not necessarily correspond to the unit of measure of sale:
  - If a fitting can be sold **individually**, the **Base Unit of Measure** is **NAR**.
  - If a fitting can be sold **in 10-item boxes,** the **Base Unit of Measure** is **NAR**.

- o If a fitting can be sold **in 5-kg buckets**, the *Base Unit of Measure* is **KGM**.
- **Alternative Unit of Measure (UmAlter)** indicates the **unit of measure of the sales packaging** (minimum sales); so:
  - o If the **minimum sales unit** is a **single fitting, this field should not be used.**
  - o If the **minimum sales unit** is a **box** with 10 fittings, the **Alternative Unit of Measure** is **BX.**
  - o If the **minimum sales unit** is a 5-kg **bucket**, the **Alternative Unit of Measure** is **BJ.**
- **Article Quantity (Quantity)** indicates the **quantity,** in the **Base Measure** Unit i**ncluded in the sales packaging** (minimum sales) identified with the **Alternative Measure Unit**.
  - o If the **minimum sales unit** is a **single fitting, this field should not be updated.**
  - o If the **minimum sales unit** is a **box** with **10 fittings,** the field should be filled in with the **10** value**.**
  - o If the **minimum sales unit** is a **5-kg bucket,** the field should be filled in with the **5** value**.**
- **Price Type (Price Type)** indicates whether the **Price List** refers to the **Base Measure Unit ("blank")** or the **Alternative Measure Unit ("C").**
  - o If the **minimum sales unit** is a **single fitting, this field should be left blank.**
  - o If the **minimum sales unit** is a **box** with 10 fittings, the field should be filled in with **C.**
  - o If the **minimum sales unit** is a 5-kg **bucket,** the field should be filled in with **C.**

If the packaging is **below or equal to the Unit of Measure that characterises, on sale, the item in the price list,** place the abbreviation of the Base Measure Unit of the Price List in this field.

If the packaging is **larger than the Unit of Measure that characterises, on sale, the item in the Price List,** indicate in this field the acronym of the Base Measure Unit of the article or of the Sales Measure Unit that characterise the item in the Price List.

If on the price line, the price refers to the article with **unit of measure NAR** and can be purchased in 20-piece cartons and with the coding of three packaging: **box with 5 pieces - carton with 4 boxes - pallet with 10 cartons,** the coding of the packaging will be as follows:
1. For *Type of Packaging:* **article** (NAR) indicate **NAR** (number of articles)
2. For *Type of Packaging*: **boxes** (BX) indicate **NAR** (number of articles)
3. For *Type of Packaging:* **carton** (CT) indicate **BX** (boxes) or **NAR** (pieces)
4. For *Type of Packaging:* **pallet** (PLT) indicate **CT** (carton) or **BX (boxes) or NAR** (pieces)

09	QtaConf	Quantity of articles in the packaging expressed in the Unit of Measure UmQtaConf

Mandatory field of 7 integers and 3 decimals to be updated with the total of the units included in the package according to the unit of measure expressed; in the example that follows, we refer to those indicated at point 8.
1. **article** (NAR); UM=**NAR** - PackQty= **1**
2. **box** (BX); UM=**NAR** - PackQty = **5**
3. **carton** (CT); if UM=**BX** - PackQty = **4**; if UM=**NAR** - PackQty = **20**
4. **pallet** (PLT) ; if UM=**CT** - PackQty = **10**; if UM=**BX** - PackQty = **40**; if UM=**NAR** - PackQty = **200**

10	Reciproco	Indicates if the packaging is below (1), equal (0) or above (2) to the one on the list

Recommended field of a numeric digit, indicates if the packaging is below (1), equal (0) or above (2) the one in the price list line; the value of the field is related to the fact that it can be sold on the Base Unit of Measure or on the Alternative Unit of Measure; in the example below, the **Sales Unit of Measure** is the box (BX)
1. UM=**NAR** - Reciprocal = **1**
2. UM=**BX** - Reciprocal = **0**
3. UM=**CT** - Reciprocal = **2**
4. UM=**PLT** - Reciprocal = **2**

11	Ribaltabile	Indicates if the package can be capsized

Recommended alphanumeric field with 1 character indicates if the package can be capsized: **S**=can capsize **N**=cannot capsize.

12	ConfBaseMax	Greater measure of the base (width) of the Package expressed in linear metres.

Mandatory numeric field of 7 integers and 3 decimals to update with the package's greater measure of the base (width) expressed in linear meters; in the case of **cylindrical** articles or **rolls,** indicate the **diameter**.

13	ConfBaseMin	Minimum measure of the base (depth) of the Package expressed in linear metres.

Mandatory numeric field of 7 integers and 3 decimals to update with the package's lower measure of the base (depth) expressed in linear meters; in the case of **cylindrical** articles or **rolls,** update the field with all "**0**" zeroes.

14	ConfAltezza	Measure of the height of the Package expressed in linear metres.

Mandatory numeric field of 7 integers and 3 decimals to update with the Package height expressed in linear metres

15	ConfVolume	Volume of the package expressed in dm³

Mandatory numeric field of 7 integers and 3 decimals to update with the Package height expressed in linear metres

16	UmPeso	Unit of Measure of the Weights for the Package from "UNIT OF MEASURE Table"

Mandatory alphanumeric field of 3 characters to update with the Unit of Measure code referring to the weights of the article and package, in compliance with the "MEASUREMENT UNIT Table".

17	ConfPesoLordo	Package Gross Weight

Mandatory numeric field of 7 integers and 3 decimals to update with the package gross weight expressed in linear metres in compliance with what is indicated in the UmPeso field.

18	ConfPesoArt	Article/s Net Weight

Mandatory numeric field of 7 integers and 3 decimals to update with the package net weight expressed in compliance with what is indicated in the UmPeso field.

19	RamePeso	Weight of any copper in the article

Recommended numeric field of 7 integers and 3 decimals to update with the copper weight, if contained in the article, expressed in in Kg/Km.

20	CodiceINTRASTAT	Indicates the INTRASTAT code
	Mandatory numeric field of 8 figures where to indicate the INTRASTAT code for type of product assigned in compliance with the nomenclature of the EU regulation 2015/1754 relative to the "Tariff and Statistical Nomenclature and on the Common Customs Tariff".	

21	Filler	Empty field for future use
	Alphanumeric field of 144 digits for future use	

B2B ANGAISA CODE Table

In this section we give indications on the features of the ANGAISA B2B Code as the assigned codes are constantly evolving and available in the Innotech/Electronic Trade/ Companies section equipped with the B2B Code of the www.angaisa.it website, it is also possible to request the code assignment for Producers and Distributors without them.

The B2B ANGAISA Code is a 12-digit alphanumerical string, structured as follows

- for **Distributors**
    - 4 alphanumeric identifying digits that refer to the company name, assigned by ANGAISA (e.g. DSTB)
    - 2 fixed numerical digits at 0 (e.g. 00)
    - 5 numerical digits univocally assigned by ANGAISA (e.g. 12.345)
    - 1 alphabetic character indicating the activity, namely for the Distributor
- **for the Producers**
    - 4 alphanumerical identifying digits that refer to the Company Name, assigned by ANGAISA (e.g. PRDT)
    - 4 numerical digits corresponding to the INDICOD code relative to the Nation (Italy from 80 to 83)
    - 5 numeric characters uniquely assigned to the Producer by INDICOD-GS1; if no identifying code is possessed by INDICOD-GS1, the code will be assigned by ANGAISA in compliance with the structure provided for the Suppliers.
    - 1 alphabetic character indicating the activity, namely **P** for the Producer
- for the **Suppliers**
    - 4 alphanumerical identifying digits that refer to the Company Name, assigned by ANGAISA (e.g. FRNT)
    - 2 fixed numerical digits at 0 (e.g. 00)
    - 5 numerical digits univocally assigned by ANGAISA (e.g. 12.345)
    - 1 alphabetic character indicating the activity, namely **S** for the Supplier

SUPPLIER CODE EXAMPLES		
Code	**Company Name**	**Activity**
BRNT0008001D	Bertani	Distributor
CRBN0008002D	Carboni	Distributor
LNEA0011001D	Lena	Distributor
SVAI0005004D	SVAI	Distributor
MRZZ8011373P	Marazzi	Producer
TCGZ0000001F	Teuco	Supplier

BARCODE TYPE Table

BARCODE TYPE Table	
ArtBarCodeType - PackTypeBarCode	
Code	**Description**
01	EAN 13
02	ITF 14
03	DUN 14
04	CODE 25 INDUSTRIAL
05	CODE 25 INTERLEAVED
06	CODE 39
07	CODE 39 EXTENDED
08	CODE 93
09	CODE 93 EXTENDED
10	CODE 128
11	EAN 2
12	EAN 5
13	EAN 8
14	EAN 14
15	EAN 18
16	EAN 99
17	EAN 128
18	UPC A
19	UPC E

UNIT OF MEASURE Table

UNIT OF MEASURE Table PackQtyUm		
Code	**Description**	
KGM	Kilogram	#
GRM	Gram	#
LTR	Litre	#
MTR	Metre	#
MTQ	Cubic metre	#
MTK	Square metre	#
NAR	Number of Articles	#
CMT	Centimetre	
CMQ	Cubic centimetre	
CMK	Square centimetre	
HGM	Hectogram	
MMT	Millimetre	
HUR	Working hour	

Note: Recommendation no. 20 UN/EEC (United Nations/European Economic Community)

Codes for Units of measure used in international trade; further codes not included in this table are available at Servizi ANGAISA S.r.l.
We recommend the use of codes marked with the symbol "#", because they identify the units of measure that are most commonly used in the plumbing and heating sector.

PACKING-PACKAGING TYPE Table

TABLE PACKING TYPE	
Packing – packaging type	
Code	**Description**
NAR	Number of Articles
AST	Case
JR	Jar
BL	Pack
BR	Bar/Rod
BLC	Balance
BLT	Blister
BO	Bottle
BOB	Bobbin
AE	Cylinder
BRI	Brick
BG	Bag/Sachet
CT	Carton
BK	Basket
CR	Case
CO	Parcel
CF	Package
CH	Container
PR	Pair
DJ	Demijohn
DP	Protected demijohn
BE	Bundle / String
FP	Shrinkable film
CG	Fittainer
CBL	Flacon
ST	Sheet
GAB	Cage
DPE	Display packing
PAE	Wrapping
TN	Tin
CA	Can
MAT	Skein
MIL	Thousand
MMO	Mid-motor
MBL	Mid-balance
MOT	Motor
NE	No Packaging
PLT	Pallet
PA	Parcel
PK	Packet
UUE	Net
RL	PVC Reel
CL	Coil
SA	Sack
BX	Box / Drum
BJ	Bucket
SET	Set
STL	Stick
TU	Tube
BAS	Bowl
PU	Tray

Note: Recommendation no. 20 UN/EEC (United Nations/European Economic Community)

Codes for Units of measure used in international trade; further codes not included in this table are available at Servizi ANGAISA S.r.l.