



**INTAKE TRANSMISSION FILE (PI)
RECORD LAYOUT
ISSUED: 24 October 2017**

Revision History

Date	Version	Description	Author
02/06/2008	1.1	Updated sizing based on new requirement	Quinton Fredericks
12/01/2010	1.2	New fields added to IP record: Orchard char(15) Target_region char(5) Target_country char(2) Global_gap_number char(20) Lot_no (label number) char(20) Traceability_code char(20)	Quinton Fredericks
05/12/2012	1.3	New field added to IP record: Season char(4)	Margeaux Batt
15/04/2013	1.4	New field added to IP record: Orig_inspec_date datefield(8)	Jacques Ooms
05/06/2013	1.5	New fields added to BH record: Provider char(30) Version char(30)	Jacques Ooms
03/03/2014	1.6	Added the following fields to the IP record: Inner_pack char(10) Inner_cartons numeric(5) Protocol_exception_indicator char(2) UPN char(25) Added the following fields to the PM record: Production_id char(20) Protocol_exception_indicator char(2) Inspector char(4) (re)inspection_flag char(1) (re)inspection_date date (re)inspection_time date_time (re)inspection_point char(4) (re)inspection_report char(6) (re)inspection_target_region char(5) (re)inspection_target_country char(2) UPN char(25)	Andries Mouton
06/03/2014	1.7	Extended the field length of the (re)inspection_report field from char(6) to char(10) on the PM record.	Andries Mouton
22/04/2014	1.8	Added Original Document Number to the IP record.	Andries Mouton
07/07/2014	1.9	Added orchard char(15) to the IS record.	Andries Mouton
06/08/2014	1.10	Add new field to PM-record: orchard char(15)	Margeaux Batt
02/03/2015	1.11	Added new field to IP record pallet_treatment char(30) Added new field to PM record	Andries Mouton

		pallet_treatment char(30)	
20/04/2016	1.12	Added new fields for SOLAS Pallet Gross Mass Char (-5.3) Weighing Location Char (7) Weighing Date Time Date Time (13)	Matt McCarthy
20/04/2016	1.13	Added PHC code to PM record	Matt McCarthy
19/05/2016	1.14	SOLAS Business Rules – Pallet Se- quences – Pallet Gross Mass	Matt McCarthy
02/06/2016	1.15	Change Pallet and Container mass to - 5.3 format from Numeric 10	Matt McCarthy
05/08/2016	1.16	Add the word Nett to Mass field	Matt McCarthy
24/10/2017	1.17	New field to the IP record for FCM: Phyto_data char (10)	Murray Bont

INTAKE TRANSMISSION FILE RECORD LAYOUT

File name: Plxxxyyy.zzz

PI- Pallet In file

xxx- Network address (FROM; e.g. 999 = Test Depot)
 yyy- Sequence number to keep the filename unique (000 - 999)
 zzz- Hub address (TO; e.g. 000 = D2)

Record Sequence:

- V one BH
- V many IC records (document level)
- V 0 to many IS records (fspec level, linked to IC)
- V 0 to many IP records (pallet level, linked to IS)
- V 0 to many EV records (evaluation, linked to IP)
- V Could find dummy IC records just before BT record (used to instruct the mainframe to remove left over dummies.
- V one BT

BATCH HEADER record format – type BH

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
record type	Alpha	2	1	2	BH
network Address	Alpha	3	3	5	
batch Number	Number	6	6	11	
create date	Date	8	12	19	
create time	Datetime hour to second	8	20	27	
provider	Alpha	30	28	57	Paltrack
version number	Alpha	30	58	87	Paltrack Version Number

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Intake (PI) Transmission File Record Layout

IN CONSIGNMENT (IC) record format – type IC

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
record type	Alpha	2	1	2	IC
load_id	Alpha	10	3	12	
location type	Alpha	2	13	14	
location code	Alpha	7	15	21	
document number	Alpha	10	22	31	
truck level	Alpha	1	32	32	
organisation	Alpha	2	33	34	
document type	Alpha	2	35	36	
document date	Date		37	44	
rail date	Date		45	52	
account	Alpha	6	53	58	
channel	Alpha	1	59	59	
pro_no	Number	5	60	64	
carton quantity	Number	8	65	72	
pallet quantity	Number	6.2	73	81	
full pallet	Number	8	82	89	
inc_pallet	Number	8	90	97	
season	Alpha	4	98	101	
client_ref	Alpha	10	102	111	
endorse1	Alpha	2	112	113	
endorse2	Alpha	2	114	115	
endorse3	Alpha	2	116	117	
endorse4	Alpha	2	118	119	
order_no	Alpha	6	120	125	
from location type	Alpha	2	126	127	
from location code	Alpha	7	128	134	
document status	Alpha	1	135	135	
inspector	Alpha	4	136	139	
inspector flag	Alpha	1	140	140	
inspection date	date		141	148	
inspection time	Datetime hour to minute		149	153	
inspection point	Alpha	4	154	157	
inspection report	Alpha	6	158	163	
Evaluation FROM number	Alpha	6	164	169	
Evaluation TO number	Alpha	6	170	175	
Temperature	Number	-2.2	176	181	

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Batch (=Eval Quantity)	Number	5	182	186	
Transmission Flag	Alpha	1	187	187	
Revision Number	Number	5	188	192	
Message Number (Inspect Samples)	Number	8	193	200	
Transaction User	Alpha	7	201	207	
Transaction Date	Date		208	215	
Transaction Time	Datetime hour to minute		216	220	
Load Reference	Alpha	10	221	230	
Load Name	Alpha	25	231	255	
Transport Type	Alpha	1	256	256	
Truck Type	Alpha	1	257	257	
Arrival Date	Date		258	265	
Arrival Time	Datetime hour to minute		266	270	
Intake Point	Alpha	2	271	272	
Carrier	Alpha	8	273	280	
Pallet Quantity	Number	6.2	281	289	
Carton Quantity	Number	8	290	297	
Truck Number	Alpha	12	298	309	
Fully Loaded	Alpha	1	310	310	
Instruction Type	Alpha	1	311	311	
Master Order Number	Alpha	6	312	317	
Client Reference	Alpha	10	318	327	
Trip Number	Alpha	8	328	335	
Temperature1	Number	-2.2	336	341	
Temperature2	Number	-2.2	342	347	
Temperature3	Number	-2.2	348	353	
Temperature4	Number	-2.2	354	359	
Load Type	Alpha	1	360	360	
Ship Number	Alpha	6	361	366	
Orchard	Alpha	5	367	371	
Reference number	Alpha	8	372	379	
Pallet Base Type	Alpha	1	380	380	
Bill of Entry Number	Alpha	6	381	386	
Inspec Temperature	Number	-2.2	387	392	
Principal	Alpha	2	393	394	
Phyto date	Date	8	395	402	
Waybill no	Alpha	7	403	409	
Lot no	Alpha	10	410	419	
Packh_code	Alpha	7	420	426	PackHouse Code
SellbyCode	Alpha	10	427	436	Sell-by-Code
Waybill no	Alpha	10	437	446	New 10 character waybill no

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Intake (PI) Transmission File Record Layout

IN SUMMARY (fspec) (IS) record format – type IS

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Record Type	Alpha	2	1	2	IS
Load Id	Alpha	10	3	12	
Location Type	Alpha	2	13	14	
Location Code	Alpha	7	15	21	
Document Number	Alpha	10	22	31	
Channel	Alpha	1	32	32	
Organisation	Alpha	2	33	34	
Country	Alpha	2	35	36	
Commodity Group	Alpha	2	37	38	
Commodity	Alpha	2	39	40	
Variety Group	Alpha	2	41	42	
Variety	Alpha	3	43	45	
Sub Variety	Alpha	3	46	48	
Actual Variety	Alpha	3	49	51	
Pack	Alpha	4	52	55	
Grade	Alpha	4	56	59	
Mark	Alpha	5	60	64	
Count	Alpha	5	65	69	
Inventory Code	Alpha	2	70	71	
Picking Refernce	Alpha	4	72	75	
Farm / from code	Alpha	7	76	82	
Product Group	Alpha	2	83	84	
Product Characteristic	Alpha	3	85	87	
Target Market	Alpha	2	88	89	
Actual Grade	Alpha	4	90	93	
Cartons on document	Number	5	94	98	
Intake carton quantity	Number	5	99	103	
Pallet Quantity	Number	6.2	104	112	
Passed Flag	Alpha	1	113	113	
Reason	Alpha	4	114	117	
Cartons Rejected	Number	5	118	122	
Cartons Discarded	Number	5	123	127	
Cartons Evaluation	Number	5	128	132	
Mix indicator	Alpha	1	133	133	
Cartons Damaged	Number	5	134	138	
Cartons from buildup	Number	5	139	143	

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Transmission flag	Alpha	1	144	144	
Revision number	Number	5	145	149	
Message number	Number	8	150	157	
Transaction User	Alpha	7	158	164	
Transaction Date	Date	8	165	172	
Transaction Time	Datetime hour to minute	5	173	177	
Cartons Residue	Number	5	178	182	
Pallet Base Type	Alpha	1	183	183	
Principal	Alpha	2	184	185	
Orchard	Alpha	15	186	200	

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Intake (PI) Transmission File Record Layout

IN PALLET (IP) record format – type IP

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Record Type	Alpha	2	1	2	IP
Load Id	Alpha	10	3	12	
Location Type	Alpha	2	13	14	
Location Code	Alpha	7	15	21	
Document Number	Alpha	10	22	31	
Pallet id	Alpha	9	32	40	Will be blank and put into ssc field
Sequence Number	Number	5	41	45	
Unit type	Alpha	1	46	46	
Position	Alpha	6	47	52	
Sender	Alpha	2	53	54	
Agent	Alpha	2	55	56	
Container Number	Alpha	11	57	67	
Channel	Alpha	1	68	68	
Organisation	Alpha	2	69	70	
Country	Alpha	2	71	72	
Commodity Group	Alpha	2	73	74	
Commodity	Alpha	2	75	76	
Variety Group	Alpha	2	77	78	
Variety	Alpha	3	79	81	
Sub Variety	Alpha	3	82	84	
Actual Variety	Alpha	3	85	87	
Pack	Alpha	4	88	91	
Grade	Alpha	4	92	95	
Mark	Alpha	5	96	100	
Count	Alpha	5	101	105	
Inventory Code	Alpha	2	106	107	
Picking Reference	Alpha	4	108	111	
Farm / from_code	Alpha	7	112	118	
Product Group	Alpha	2	119	120	
Product Characteristic	Alpha	3	121	123	
Target Market	Alpha	2	124	125	
Actual Grade	Alpha	4	126	129	
Carton Quantity	Number	5	130	134	
Pallet Quantity	Number	6.2	135	143	
Mixed Indicator	Alpha	1	144	144	
Remarks	Alpha	8	145	152	
Reason	Alpha	4	153	156	
Intake Date	Date	8	157	164	

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Intake (PI) Transmission File Record Layout

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Intake Time	Datetime hour to minute	5	165	169	
Intake Point	Alpha	2	170	171	
Original Intake Depot	Alpha	7	172	178	
Original Intake Date	date	8	179	186	
Order Number	Alpha	6	187	192	
Stock Pool	Alpha	2	193	194	
Temperature	Number	-2.2	195	200	
Pallet Marks	Alpha	1	201	201	
Transmission flag	Alpha	1	202	202	
Revision number	Number	5	203	207	
Message number	Number	8	208	215	
Transaction User	Alpha	7	216	222	
Transaction Date	Date	8	223	230	
Transaction Time	Datetime hour to minute	5	231	235	
Cartons Rejected	Number	5	236	240	
Cartons Discarded	Number	5	241	245	
Cartons Evaluation	Number	5	246	250	
Mix indicator	Alpha	1	251	251	
Pallet Base Type	Alpha	1	252	252	
Combo pallet id	Alpha	9	253	261	Mini pallet primary ID. Will be blank and put into combo_ssc field
Temperature Device ID	Alpha	20	262	281	Temperature reading device ID
Temperature Device Type	Alpha	2	282	283	
Principal	Alpha	2	284	285	
Ssc	Alpha	18	286	303	
Nett mass	Number	-4.3	304	312	-&&&&.&&&
Saftbin1	Alpha	16	313	328	
Saftbin2	Alpha	16	329	344	
Saftbin3	Alpha	16	345	360	
Orig_account	Alpha	6	361	366	Original account number
Inspec_date	Date	8	367	374	Inspection date
Stack_variance	Alpha	1	375	375	Stacking variance
Store_type	Alpha	1	376	376	Store type
Batch_no	Alpha	20	377	396	Batch number
Waybill_no	Alpha	10	397	406	Lot number
Gtin	Alpha	14	407	420	Gtin number
Packh_code	Alpha	7	421	427	Packhouse code
Steri_flag	Alpha	2	428	429	Steri flag
Steri_dest	Alpha	2	430	431	Steri destination
Label_type	Alpha	1	432	432	Label type
Prov flag	Alpha	1	433	433	Provisional Intake
SellbyCode	Alpha	10	434	443	Sell-By-Code
Orchard	Alpha	8	444	451	Orchard Number
Combo_ssc	Alpha	18	452	469	Combo_pallet id ssc
Expiry_code	Alpha	10	470	479	Default=blank
Orchard	Alpha	15	480	494	

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Target_region	Alpha	5	495	499	
Target_country	Alpha	2	500	501	
Global_gap_number	Alpha	20	502	521	
Lot_no	Alpha	20	522	541	
Traceability_code	Alpha	20	542	561	
Season	Char	4	562	565	
Orig_inspec_date	Date	8	566	573	
Inner_pack	Alpha	10	574	583	
Inner_cartons	Number	5	584	588	
Production_id	Alpha	20	589	608	
Proto-col_exception_indicator	Alpha	2	609	610	
UPN	Alpha	25	611	635	
Original Document Number	Alpha	10	636	645	The original consignment note number presented at first inspection and signed/stamped by PPECB. The value will only be accurately populated if RL/PO files are used in a transfer situation. If a transfer and Document Number = Orig Document Number the RL/PO file was not used by the receiving depot.
Pallet_treatment	Alpha	30	646	675	IPPC treatment code
Pallet Gross Mass	Numeric	-5.3	676	685	-&&&&.&&& Zero tolerance for SOLAS CARRIED ON 1st PALLET SEQUENCE ONLY.
Weighing Location	Alpha	7	686	692	
Weighing Date Time	Date time	13	693	705	
Phyto_data	Alpha	10	706	715	2 char Protocol (e.g. Citrus EU, Citrus South Korea), 2 char FMS pallet status, 6 char space filler.

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Intake (PI) Transmission File Record Layout

EVALUATION (EV) record format – type EV

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Record Type	Alpha	2	1	2	EV
Pallet id	Alpha	9	3	11	
Evaluation id	Alpha	8	12	19	
Size/Count	Alpha	5	20	24	
Transaction User	Alpha	7	25	31	
Transaction Date	Date	8	32	39	
Transaction Time	Datetime hour to minute	5	40	44	

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Intake (PI) Transmission File Record Layout

PALLET MOVEMENT (PM) record format – type PM

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Record Type	Alpha	2	1	2	PM
Load Id	Alpha	10	3	12	
Location Type	Alpha	2	13	14	
Location Code	Alpha	7	15	21	
Document Number	Alpha	10	22	31	
Orig Pallet id	Alpha	9	32	40	Will be blank and put into ssc field
Sequence Number	Number	5	41	45	
Unit type	Alpha	1	46	46	
Position	Alpha	6	47	52	
Sender	Alpha	2	53	54	
Agent	Alpha	2	55	56	
Container Number	Alpha	11	57	67	
Channel	Alpha	1	68	68	
Organisation	Alpha	2	69	70	
Country	Alpha	2	71	72	
Commodity Group	Alpha	2	73	74	
Commodity	Alpha	2	75	76	
Variety Group	Alpha	2	77	78	
Variety	Alpha	3	79	81	
Sub Variety	Alpha	3	82	84	
Actual Variety	Alpha	3	85	87	
Pack	Alpha	4	88	91	
Grade	Alpha	4	92	95	
Mark	Alpha	5	96	100	
Count	Alpha	5	101	105	
Inventory Code	Alpha	2	106	107	
Picking Reference	Alpha	4	108	111	
Farm / from_code	Alpha	7	112	118	
Product Group	Alpha	2	119	120	
Product Characteristic	Alpha	3	121	123	
Target Market	Alpha	2	124	125	
Actual Grade	Alpha	4	126	129	
Carton Quantity	Number	5	130	134	
Pallet Quantity	Number	6.2	135	143	
Mixed Indicator	Alpha	1	144	144	
Remarks	Alpha	8	145	152	
Reason	Alpha	4	153	156	
Intake Date	Date	8	157	164	

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Intake Time	Datetime hour to minute	5	165	169	
Intake Point	Alpha	2	170	171	
Original Intake Depot	Alpha	7	172	178	
Original Intake Date	date	8	179	186	
Order Number	Alpha	6	187	192	
Stock Pool	Alpha	2	193	194	
Temperature	Number	-2.2	195	200	
Pallet Marks	Alpha	1	201	201	
Transmission flag	Alpha	1	202	202	
Revision number	Number	5	203	207	
Message number	Number	8	208	215	
Transaction User	Alpha	7	216	222	
Transaction Date	Date	8	223	230	
Transaction Time	Datetime hour to minute	5	231	235	
Cartons Rejected	Number	5	236	240	
Cartons Discarded	Number	5	241	245	
Cartons Evaluation	Number	5	246	250	
Mox indicator	Alpha	1	251	251	
Pallet Base Type	Alpha	1	252	252	
Original Document Number	Alpha	10	253	262	
History Type	Alpha	2	263	264	
Cold Date	date	8	265	272	
New Pallet ID	Alpha	9	273	281	Also, to be used for combo ID Will be blank and put into new_sccc field
Temperature Device ID	Alpha	20	282	301	Temperature reading device ID
Temp Device Type	Alpha	2	302	303	Temperature reading device type
Principal	Alpha	2	304	305	
SSCC	Alpha	18	306	323	
New_SSCC (orig pallet_id)	Alpha	18	324	341	
GTIN	Alpha	14	342	355	
Err Sequence	Alpha	5	356	360	Smallint → use 5 chars
Pallet_id	Alpha	18	361	378	Pallet_id to which temperature device is attached
Average temperature	Number	-2.2	379	384	
Max temperature	Number	-2.2	385	390	
Above hours	Number	2.2	391	395	
Minimum temperature	Number	-2.2	396	401	
Below hours	Number	2.2	402	406	
Truck setting	Alpha	6	407	412	
Location code	Alpha	7	413	419	
Xmit flag	Alpha	1	420	420	
Tran user	Alpha	7	421	427	
Tran time	Datetime hour to minute	5	428	432	
Tran date	Date	8	433	440	
Download	Alpha	1	441	441	

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Production_id	Alpha	20	442	461	
Proto-col_exception_indicator	Alpha	2	462	463	
Inspector	Alpha	4	464	467	
(re)inspection_flag	Alpha	1	468	468	
(re)inspection_date	Date	8	469	476	
(re)inspection_time	Date_time hour to minute	5	477	481	
(re)inspection_point	Alpha	4	482	485	
(re)inspection_report	Alpha	10	486	495	
(re)inspection_target_region	Alpha	5	496	500	
(re)inspection_target_country	Alpha	2	501	502	
UPN	Alpha	25	503	527	
Orchard	Alpha	15	528	542	
Pallet_treatment	Alpha	30	543	572	IPPC treatment code
Packh_code	Alpha	7	573	579	
Phyto_data	Alpha	10	580	589	2 char Protocol (e.g. Citrus EU, Citrus South Korea), 2 char FMS pallet status, 6 char space filler.

Paltrack(Pty.) Ltd
 Intake (PI) Transmission File Record Layout

BATCH TRAILER (BT) record format – type BT

FIELD NAME	TYPE	SIZE	FROM	TO	COMMENTS
Record Type	Alpha	2	1	2	BT
Network Address	Alpha	3	3	5	
Batch Number	Number	6	6	11	
Record Count	Number	7	12	18	
IC Record Count	Number	5	19	23	
IS Record Count	Number	5	24	28	
IP Record Count	Number	8	29	36	
EV Record Count	Number	8	37	44	
Total IC cartons	Number	8	45	52	
Total IC pallets	Number	6.2	53	61	
Total dummy- IC cartons	Number	*8	62	69	
Total dummy-IC pallets	Number	*6.2	70	78	
Total IS Cartons	Number	8	79	86	
Total IS Pallets	Number	6.2	87	95	
Total IP Cartons	Number	8	96	103	
Total IP Pallets	Number	6.2	104	112	

*total dummy-IP cartons & pallets will = total dummy-IC cartons & pallets so only sending these in the dummy-IC quantity fields