          * PART NUMBER/MATERIAL PROGRAMMING *

DEVELOPED BY:

A N F A V E A   S I N D I P E C A S

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Introduction

This manual was conceived by ANFAVEA and SINDIPEÇAS E.D.I Commission. Their objective is to spread and encourage the use of E.D.I. technology in Brazil.

Under ANFAVEA sponsorship, preliminary studies were developed which led to the first efforts to standardized EDI in Brazil.

In 1987, a permanent sub-commission of E.D.I. standardization was formed, despite being bound to the automotive industry purposes, it also incentivises the other institutions in using the E.D.I technology. This commission have monthly meetings in ANFAVEA headquarters, where they discuss process, practices and define E.D.I. transactions that will be practiced by the automotive industry.

Currently, it's composed by two sub-commissions:
      ANFAVEA Sub-Commission of E.D.I.
      SINDIPEÇAS E.D.I. Commission.

where each part (assemblers and suppliers) raise their associates needs, direct and present the proposals to the E.D.I. Commission for further evaluation and approval.

As an auxiliary tool, the Commission, with the ANFAVEA APD help, developed this software which stores every transactions which were defined in this forum, allowing any direct or indirect participant to obtain the same information.

You participate in this process! If you have any recommendation or critic, please, contact:

ANFAVEA

                        Comissao de Informatica e Automacao
                        Sub-Commission of E.D.I.   .
                        At.: APD - Assessoria de Processamento de Dados
                        Av. Indianopolis, 496 - Sao Paulo
                        CEP 04062-900   Fone: 549-4044
                                        FAX: 549-4044 r. 225

                        SINDIPECAS
                        Comissao de E.D.I.
                        At.: Assessoria Economica
                        Rua Abilio Soares, 1487 - Sao Paulo
                        CEP 04005-005   Fone: 884-4599
                                        FAX: 884-0584

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1 - Objective

Transaction which complements the Purchase Order between Customer and supplier, expliciting deadlines/quantities/order shipment from part/material.
Usually establishes planned supplies for periods up to 24 months, where the deadlines/quantities from the defined order remain unchanged.

2 - Operationalization

It is advisable the reading of the RND (NATIONAL DATA NETWORK ANFAVEA) manual for a better understanding.

This manual is not directed for technical communication problems.

The implementation process from this transaction should be defined between customers, suppliers and vice-versa.

The values the 'fields' can assume are described in 3.3 and/or 4 in this manual.

2.1 Pre-requirements

Basic knowledge of E.D.I. (Electronic Data Interchange).
We suggest the E.D.I. SINDIPEÇAS manual.

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2.2 - Transmission Content Validity

The following fields are established as validity of the transmission criterion.

In the ITP Register:

The element 35 - "Movement Generation ID" which the AAMMDD HHMMSS content is the most recent.

In the PE1:

The element 3 - 'Current Program Identification" and the element 4 - "Current Program Data' whose content is the most recent.

Obs:
The transmitter could generate for the same Transaction, more than 1 file per day, and then, transmit it.
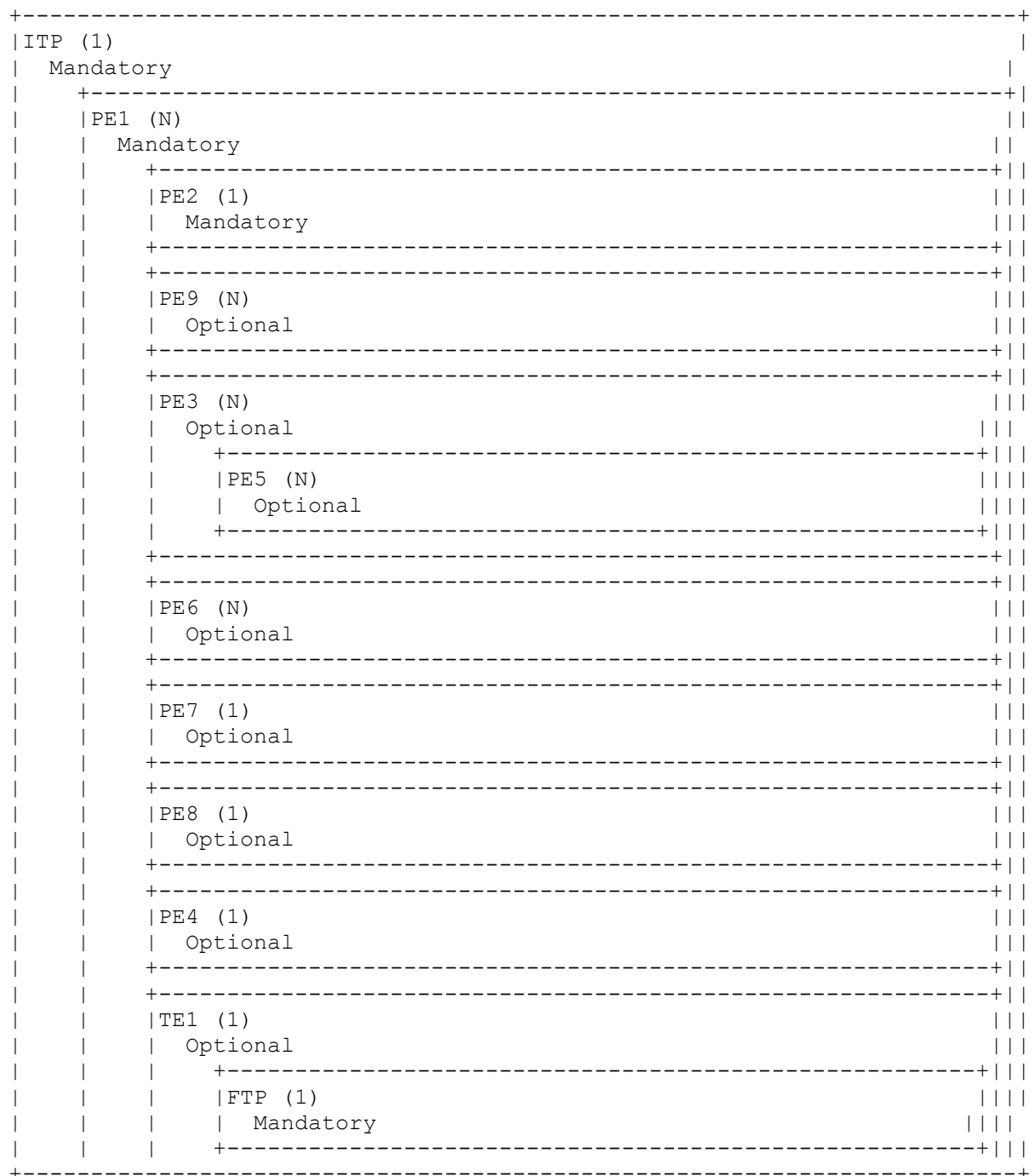
The receiver must process every received files. obeying as a processing sequence the element 35 from the ITP Register in date ascending order.

2.3 - Historical

	VERSION	HOMOLOGATION	VALIDITY	REASON
	00	01/03/87	01/03/87	See the final format group report from 03/87
	01	08/16/90	12/01/90	As discussed in the 16/8/90 meeting - Minutes report 07/90
	02	10/19/95	01/01/96	Minutes report 21/09/95
	03	03/21/96	06/01/96	Minutes report 21/03/96
	04	07/17/97	08/01/97	As minutes report
	05	10/16/97	01/01/98	Element 433 inclusion
	06	/ /	01/01/98	Honda Caterpillar needed
	07	09/17/98	01/01/99	Caterpillar needed
	08	10/14/99	01/01/99	
	09	03/16/01	04/02/01	

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3 - Composition

3.1 - Graphic Model

```
    +--------------------------------------------------------------------+
    |ITP (1)                                                             |
    | Mandatory                                                          |
    |    +--------------------------------------------------------------+|
    |    |PE1 (N)                                                       ||
    |    | Mandatory                                                    ||
    |    |    +--------------------------------------------------------+||
    |    |    |PE2 (1)                                                 |||
    |    |    | Mandatory                                              |||
    |    |    +--------------------------------------------------------+||
    |    |    +--------------------------------------------------------+||
    |    |    |PE9 (N)                                                 |||
    |    |    | Optional                                               |||
    |    |    +--------------------------------------------------------+||
    |    |    +--------------------------------------------------------+||
    |    |    |PE3 (N)                                                 |||
    |    |    | Optional                                               |||
    |    |    |    +--------------------------------------------------+|||
    |    |    |    |PE5 (N)                                           ||||
    |    |    |    | Optional                                         ||||
    |    |    |    +--------------------------------------------------+|||
    |    |    +--------------------------------------------------------+||
    |    |    +--------------------------------------------------------+||
    |    |    |PE6 (N)                                                 |||
    |    |    | Optional                                               |||
    |    |    +--------------------------------------------------------+||
    |    |    +--------------------------------------------------------+||
    |    |    |PE7 (1)                                                 |||
    |    |    | Optional                                               |||
    |    |    +--------------------------------------------------------+||
    |    |    +--------------------------------------------------------+||
    |    |    |PE8 (1)                                                 |||
    |    |    | Optional                                               |||
    |    |    +--------------------------------------------------------+||
    |    |    +--------------------------------------------------------+||
    |    |    |PE4 (1)                                                 |||
    |    |    | Optional                                               |||
    |    |    +--------------------------------------------------------+||
    |    |    +--------------------------------------------------------+||
    |    |    |TE1 (1)                                                 |||
    |    |    | Optional                                               |||
    |    |    |    +--------------------------------------------------+|||
    |    |    |    |FTP (1)                                           ||||
    |    |    |    | Mandatory                                        ||||
    |    |    |    +--------------------------------------------------+|||
    +--------------------------------------------------------------------+
```

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3.2 - Modelo Descritivo

```
     REG       USAGE
   IDENTIF. INDICATOR  OCORR. SUBORD.      REGISTER NAME
     ---       ------  ------ -------  ------------------------------

     ITP        M        1             BEGINNING OF TRANSMISSION PROCESS
     PE1        M        N      ITP    Item data
     PE2        M        1      PE1    Delivery/Shipment Information
     PE9        O        N      PE1
     PE3        O        N      PE1    Delivery/Shipment Schedule
     PE5        O        N      PE3    Compl. Delivery/Shipment Schedule
     PE6        O        N      PE1    COMPLEMENTARY ITEM DATA
     PE7        O        1      PE1    CUSTOMER PRIMARY LOT DATA
     PE8        O        1      PE1    CUSTOMER SECONDARY LOT DATA
     PE4        O        1      PE1    LOT DATA
     TE1        O        1      PE1    FREE TEXT
     FTP        M        1      TE1    ENDING OF TRANSMISSION PROCESS
```

3.3 – Key Transaction Element:

                                    0
                                    0
                                    0

REGISTER LAYOUT

ITP – Beginning of Transmission Process

SEQ.	ELEM	ELEMENT NAME	IND. USE	TYPE	SIZ.	DEC.	POSITION
1	1	REGISTER TYPE IDENTIFICATION	M	A	3	0	1 3

Register identification of a determined communication Transaction
Ex.: Registros ITP, PE1, AE2, EF1, etc.

2	33	PROCESS IDENTIFICATION	M	N	3	0	4 6

This number identifies the communication transaction, it must be defined
by the responsible commission

3	34	TRANSACTION VERSION NUMBER	M	N	2	0	7 8

The transaction version number must obey item 2.3 (historical) from the
Transaction Manual

4	36	TRANSACTION CONTROL NUMBER	O	N	5	0	9 13

Movement control number within the communication transaction, defined by
the transmitter. Sequential number, for each transmission and for each
reception.

5	35	MOVIMENT GENERATION ID.	M	N	12	0	14 25

Movement generation Date/Time within the communication transaction.
Indicates: AAMMDD and HHMMSS.

6	37	COMMUNICATION TRANSMITTER ID	M	N	14	0	26 39

Communication Transmitter ID, represented by your C.G.C.

7	38	COMMUNICATION RECEIVER ID	O	A	14	0	40 53

Communication Receiver ID, represented by your C.G.C.

8	151	TRANSMITTER INTERNAL CODE	O	A	8	0	54 61

Internal code which the transmitter is identified by the receiver.

9	152	RECEIVER INTERNAL CODE	O	A	8	0	62 69

Internal code which the receiver is identified by the transmitter.

10	243	TRANSMITTER NAME	O	A	25	0	70 94

Name which the transmitter is identified with its partner.

11	244	RECEIVER NAME	O	A	25	0	95 119

Name which the receiver is identified by the transmitter.

12	9999	SPACE	M	A	9	0	120 128

                    REGISTER LAYOUT

          PE1 – Item Data

                                            IND.
  SEQ. ELEM ELEMENT NAME   USE TYPE SIZ. DEC. POSITION
  ---- ---- ----------------------------   --- ---- --- --- -------

   1   1   REGISTER TYPE IDENTIFICATION   A   3   0   1   3
            Register identification of a determined communication transaction Ex.:
            Register ITP, PE1, AE2, EF1, etc.

   2   2   DESTINY FACTORY CODE   M   A   3   0   4   6
            Item destiny factory. For orders with prefix finished in "P" use the
            "028" code - "" use code "081" - "C" use code "010".

   3   3   CURRENT PROGRAM IDENTIFICATION M   A   9   0   7 15
            Current Part/Material program identification issued by the customer, it
            remains unchanged until the issuing of a new program

   4   4   CURRENT PROGRAM DATE   M   N   6   0   16 21
            Current Part/Material program issuance, issued by the customer

   5   5   PREVIOUS PROGRAM IDENTIFICATION O   A   9   0   22 30
             Identificacao do Programa de Peca/Material anterior emitido
             pelo cliente.

   6   6   PREVIOUS PROGRAM DATA   O   N   6   0   31 36
            Previous Part/Material program issuance date, issued by the customer.

   7   7   CUSTOMER ITEM CODE   M   A   30   0   37 66
            Internal code assigned by the customer for acquired items from the
            supplier.

   8   8   SUPPLIER ITEM CODE   O   A   30   0   67 96
            Internal code assigned by the supplier for supplied items.

   9   9   PURCHASE ORDER NUMBER   M   A   12   0   97 108
            Customer Purchase order number/Issued items supply contract. The order
            number has 9 positions, 4 alphas plus five numeric. The three last
            indicates the order type.

  10   10   SHIPMENT LOCAL CODE   O   A   5   0 109 113
            Customer shipment local code, where the item will be delivered. This code
will be combined between the customer and supplier

REGISTER LAYOUT

PE1 - ITEM DATA

```
                                            IND.
 SEQ. ELEM  ELEMENT NAME                    USE   TYPE SIZ. DEC. POSITION
 ---- ----  ----------------------------    ---   ---- --- --- -------

  11   11   CONTACT IDENTIFICATION          O     A    11   0  114 124
            Reponsible contact identification.

  12   19   MEASUREMENT UNIT CODE           M     A    2    0  125 126
            Item measurement unit code agreed in the the communication transaction.
            Ex: KG, LT, PC, MT, etc.

  13   22   DECIMAL QUANTITY                M     N    1    0  127 127
            Decimal quantity used in determined communication transactions. Ex:
            registers PE3, RP2, etc.

  14   74   SUPPLY TYPE CODE                M     A    1    0  128 128
            Attributed code by the customer, identifies the item usage/shipment.
            P=Production R=Replacement, T= Triangularization E=Exportation X= Other
            A=Sample F=Tools and Solutions.
```

                    LAYOUT REGISTER

          PE2 - Deliveries/Shipment information

```
                                          IND.
  SEQ. ELEM  ELEMENT NAME                 USE   TYPE SIZ. DEC. POSITION
  ---- ----  ----------------------------  ---   ---- ---  ---  -------

   1   1    REGISTER TYPE IDENTIFICATION    M    A    3    0    1   3
            Register identification in a communication transaction. Ex.: Register
            ITP, PE1, AE2, EF1, etc.

   2   12   LAST DELIVERYY/SHIPMENT DATE    O    N    6    0    4   9
            Last delivery/shipment date released by the supplier to the customer

   3   13   LAST INVOICE NUMBER            O    N    6    0   10  15
            Last delivery/Shipment invoice number released from the supplier to the
            customer

   4   154  LAST INVOICE SERIAL NUMBER      A    4    0   16  19
            Last delivery/shipment invoice serial number released from the supplier
            to the customer

   5   14   LAST INVOICE DATE              O    N    6    0   20  25
            Invoice issuance date related to the last item Delivery/shipment released
            from the supplier to the customer.

   6   15   LAST DELIVERY/SHIPMENT QUANTITY  O    N   12    3   26  37
            Last Delivery/shipment quantity released by the supplier to the customer

   7   16   ACCUMULATED DELIVERY/SHIPMENT QTY O   N   14    3   38  51
            Delivery/shipment quantity from a determined date, to the last
            Delivery/shipment considered in the communication transaction

   8   17   NECESSARY ACCUMULATED QUANTITY  O    N   14    3   52  65
            Delivery/shipment quantity from a determined date, to the last
            Delivery/shipment considered in the communication transaction

   9   18   MINIMUM LOT QUANTITY O   N   12    3   66  77
            Minimum item lot quantity to be Delivered/shipped at a time

  10   20   SUPPLY FREQUENCY CODE          O    A    3    0   78  80
            Code that indicated the item supply frequency. This code must be combined
            between the customer and the supplier

  11   30   RELEASE TO PRODUCTION DATE      O    N    4    0   81  84
            Year/Month in which the informed quantities in the Part
            Programming/Material are released to production with a customer to the
            supplier commitment.
```

                        REGISTER LAYOUT.

             PE2 - Delivery/Shipment Information

                                            IND.
  SEQ. ELEM   ELEMENT NAME   USE   TYPE SIZ. DEC. POSITION
  ---- ----   ---------------------------   ---   ---- --- --- -------

   12   31   RAW RELEASE DATE   O   N   4   0   85 88
             Month/Year that a supplier can use as reference to raw acquisition,
             however the customer can still change it.

   13   21   SHIPMENT DESTINATION CODE   O   A   7   0   89 95
             Item shipment destination code.

   14   23   DELIVERY/SHIPMENT PERIOD   O   A   4   0   96 99
             Shipment delivery defined for the customer to the items reception. The
             first two positions define the "initial hour" while the two last define
             the "final hour"

   15 153   ITEM SITUATION CODE   O   A   2   0   100 101
             Code that defines the product situation to the customer.

   16 391   PROGRAMMING TYPE IDENTIFICATION M   A   1   0   102 102
             Identifies if the item refers to a delivery or shipment. Being 1 - For
             Delivery, 2 - For Shipment. The next interpretation is directly related
             within this field

   17 409   RESALE ORDER   O   A   13   0   103 115
             Informs the order number that will be used to supply the resale

   18 433   PROGRAMMING QUALIFICATION   O   A   1   0   116 116
             Determines if the programming will be only utilized for delivery (E),
             planning only (P) or C for Delivery/Shipment Schedule complement

   19 459   RESALE ORDER TYPE   O   A   2   0   117 118

   20 113   TRANSPORT ROUTE CODE O   A   3   0   119 121
             Code that identifies the transport route

   21 9999   SPACE   M   A   7   0   122 128

                       REGISTER LAYOUT

             PE9 -

                                          IND.
 SEQ. ELEM ELEMENT NAME   USE   TYPE SIZ. DEC. POSITION
 ---- ---- ---------------------------- ---   ---- --- --- -------

   1   1   REGISTER TYPE IDENTIFICATION   M   A   3   0   1   3
            Identificacao de um registro de uma determinada Transaction de
            comunicacao. Ex.: Registros ITP, PE1, AE2, EF1, etc.

   2   640 PURCHASE ORDER REF 1   M   A   14   0   4 17
            PURCHASE ORDER REFERENCE 1 (SLIP NUMBER HONDA.

   3   648 ORDER TYPE   M   A   2   0   18 19
            ORDER TYPE ACRONYM.

   4   641 PURCHASE ORDER REF 2   M   A   10   0   20 29
            PURCHASE ORDER REFERENCE 2 (SERPEN)

   5   642 PRODUCTION LOT NUMBER   M   A   12   0   30 41
            PRODUCTION LOT NUMBER (PRODUCTION LOT NUMBER).

   6   644 DELIVERY / GOODS DATE   M   N   6   0   42 47
            DATE

   7   645 DELIVERY HOUR   M   N   4   0   48 51
            DELIVERY HOUR - HOUR/MINUTE-HHMM

   8   646 DELIVERY QUANTITY   M   N   9   0   52 60
            DELIVERY QUANTITY

   9   643 INITIAL PRODUCTION CONTROLM   A   3   0   61 63
            INITIAL PRODUCTION CONTROL (CPI).

  10 9999 SPACE   M   A   65   0   64 128

                    REGISTER LAYOUT

        PE3 - DELIVERY/SHIPMENT SCHEDULE

```
                                       IND.
 SEQ. ELEM  ELEMENT NAME               USE   TYPE SIZ. DEC. POSITION
 ---- ----  ----------------------------  ---   ----  ---  ---  -------

  1    1    REGISTER IDENTIFICATION TYPE   M    A     3    0    1   3
            Register identification from a determined communication transaction. Ex.:
            Register ITP, PE1, AE2, EF1, etc.

  2   24    ITEM DELIVERY/SHIPMENT DATE    M    N     6    0    4   9
            Item delivery/shipment date. In cases which this field doesn't have date,
            its content must be adjusted between parts.

  3   40    ITEM DELIVERY/SHIPMENT HOUR    O    N     2    0   10  11
            Item delivery/shipment hour defined by the customer.

  4   25    ITEM DELIVERY/SHIPMENT QUANTITY M   N     9    0   12  20
            Item delivery/shipment quantity. This field is related to the 022 and 024
            fields

  5   24    ITEM DELIVERY/SHIPMENT DATE    O    N     6    0   21  26
            Item delivery/shipment date. In cases that this field doesn't contain
            date, its content must be adjusted between the involved parts

  6   40    ITEM DELIVERY/SHIPMENT HOUR    O    N     2    0   27  28
            Item delivery/shipment hour defined by the customer.

  7   25    ITEM DELIVERY/SHIPMENT QTY     O    N     9    0   29  37
            Item delivery/shipment quantity. This field is related to the 022 and 024
            fields.

  8   24    ITEM DELIVERY/SHIPMENT DATE    O    N     6    0   38  43
            Item delivery/shipment date. If this field doesn't contain any data, its
            content must be adjusted between the involved parts.

  9   40    ITEM DELIVERY/SHIPMENT HOUR    O    N     2    0   44  45
            Item delivery/shipment hour defined by the customer.

 10   25    ITEM DELIVERY/SHIPMENT QUANTITY O   N     9    0   46  54
            Item delivery/shipment quantity. This field is related to the 022 and 024
            fields.

 11   24    ITEM DELIVERY/SHIPMENT DATE    O    N     6    0   55  60
            Item delivery/shipment date. If this field doesn't contain the date, its
 contents must be adjusted between the involved parts
```

                        REGISTER LAYOUT

              PE3 - DELIVERY/SHIPMENT SCHEDULE

```
                                         IND.
  SEQ. ELEM   ELEMENT NAME               USE   TYPE SIZ. DEC. POSITION
  ---- ----   ----------------------------  ---  ---- --- --- -------

   12   40    ITEM DELIVERY/SHIPMENT HOUR      O    N    2   0   61  62
             Item delivery/shipment hour defined by the customer.

   13   25    ITEM DELIVERY/SHIPMENT QUANTITY  O    N    9   0   63  71
             Item delivery/shipment quantity. This field is associated to the fields
             022 and 24.

   14   24    ITEM DELIVERY/SHIPMENT DATE      O    N    6   0   72  77
             Item delivery/shipment date. if this field doesn't contain the data, its
             content must be adjusted between the involved parts.

   15   40    ITEM DELIVERY/SHIPMENT HOUR      O    N    2   0   78  79
             Item delivery/shipment hour defined by the customer.

   16   25    ITEM DELIVERY/SHIPMENT QTY       O    N    9   0   80  88
             Item delivery/shipment quantity. This field is related to the fields 022
             and 024.

   17   24    ITEM DELIVERY/SHIPMENT DATE      O    N    6   0   89  94
             Item delivery/shipment date. If this field doesn't contain the date, its
             content must be adjusted between the involved parts.

   18   40    ITEM DELIVERY/SHIPMENT HOUR      O    N    2   0   95  96
             Item delivery/shipment hour defined by the customer.

   19   25    ITEM DELIVERY/SHIPMENT QTY       O    N    9   0   97 105
             Item delivery/shipment quantity. This field is associated to the 022 and
             024 fields.

   20   24    ITEM DELIVERY/SHIPMENT DATE      O    N    6   0  106 111
             Item delivery/shipment date. If this field doesn't contain data, its
             content must be adjusted between the involved parts.

   21   40    ITEM DELIVERY/SHIPMENT HOUR      O    N    2   0  112 113
             Item delivery/shipment hour defined by the customer.

   22   25    ITEM DELIVERY/SHIPMENT QTY       O    N    9   0  114 122
             Item delivery/shipment quantity. This field is associated to the fields
             022 and 024.

   23  9999   SPACE                            M    A    6   0  123 128
```

                       REGISTER LAYOUT

          PE5 – COMPLEMENTARY DELIVERY/SHIPMENT SCHEDULE

                                              IND.
  SEQ. ELEM   ELEMENT NAME   USE   TYPE SIZ. DEC. POSITION
  ---- ----   ----------------------------   ---   ---- --- --- -------

   1   1   REGISTER TYPE IDENTIFICATION   M   A   3   0   1 3
             Register identification from a communication transaction. Ex.: Register
             ITP, PE1, AE2, EF1, etc.

   2   368   ITEM DELIVERY/SHIPMENT DATE   O   N   6   0   4 9
             Item delivery/shipment date, based on the gap period. (Ex. 10 week days
             from the final delivery date)

   3   434   PROGRAMMING IDENTIFICATION   O   A   1   0   10 10
             1) Steady programming (frozen. period) 2) Mat. in process<not used> 3)
             Material acquisition 4>Planned hour 6> Cancelled order 7>Open order
             without programming 8> Request qty not allocated.

   4   3   CURRENT PROGRAM IDENTIFICATION O   A   9   0   11 19
             Current part/material program identification, issued by the customer,
             remains unedited until a new program issuance.

   5   368   INIT. ITEM DELIVERY/SHIPMENT DT O   N   6   0   20 25
             Initial item delivery/shipment date, based on the gap period. (Ex. 10
             week dates from the final delivery date)

   6   434   PROGRAMM IDENTIFICATION   O   A   1   0   26 26
             1) Steady programming (frozen. period) 2) Mat. in process<not used> 3)
             Material acquisition 4>Planned hour 6> Cancelled order 7>Open order
             without programming 8> Request qty not allocated.

   7   3   CURRENT PROGRAM IDENTIFICATION O   A   9   0   27 35
             Current part/material program identification , issued by the customer,
             remains unedited until a new program issuance.

   8   368   INITIAL ITEM DELIVERY/SHIPMENT O   N   6   0   36 41
             Initial item delivery/shipment date, based on the gap period. (Ex 10 week
             days from the final delivery date).

   9   434   PROGRAMMING IDENTIFICATION   O   A   1   0   42 42
             1) Steady programming (frozen. period) 2) Mat. in process<not used> 3)
             Material acquisition 4>Planned hour 6> Cancelled order 7>Open order
             without programming 8> Request qty not allocated.

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            REGISTER LAYOUT

      PE5 - COMPLEMENTARY DELIVERY/SHIPMENT

                                        IND.
 SEQ. ELEM  ELEMENT NAME                USE   TYPE SIZ. DEC. POSITION
 ---- ----  ---------------------------- ---  ---- --- --- -------

  10   3    CURRENT PROGRAM IDENTIFICATION  O    A    9   0   43 51
            Current program identification issued by the customer, remains unedited
            until de issuance of a new program.


  11  368   INIT. ITEM DELIVERY/SHIPMENT DT O    N    6   0   52 57
            Initial date delivery/shipment item, based on the gap period. (Ex. 10
            week days from the final delivery date.


  12  434   PROGRAMMING IDENTIFICATION      O    A    1   0   58 58
            1) Steady programming (frozen. period) 2) Mat. in process<not used> 3)
            Material acquisition 4>Planned hour 6> Cancelled order 7>Open order
            without programming 8> Request qty not allocated.


  13   3    CURRENT PROGRAM IDENTIFICATION  O    A    9   0   59 67
            Current program part/material identification, issued by the customer,
            remains unedited until the issuance of a new program.


  14  368   INIT. ITEM DELIVERY/SHIPMENT DT O    N    6   0   68 73
            Initial item delivery/shipment date, based on the gap period. (Ex. 10
            week days from the final delivery date).


  15  434   PROGRAMMING IDENTIFICATION      O    A    1   0   74 74
            1) Steady programming (frozen. period) 2) Mat. in process<not used> 3)
            Material acquisition 4>Planned hour 6> Cancelled order 7>Open order
            without programming 8> Request qty not allocated.


  16   3    CURRENT PROGRAM IDENTIFICATION  O    A    9   0   75 83
            Current part/material program issued by the customer, remains unedited
            until the issuance of a new program.


  17  368   INITIAL DELIVERY/SHIPMENT DATE  O    N    6   0   84 89
            Initial delivery/shipment date, based on the gap period. (ex. 10 week
            days from the final delivery date).


  18  434   PROGRAM IDENTIFICATION          O    A    1   0   90 90
            1) Steady programming (frozen. period) 2) Mat. in process<not used> 3)
            Material acquisition 4>Planned hour 6> Cancelled order 7>Open order
            without programming 8> Request qty not allocated.
```

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```

```
              REGISTER LAYOUT

       PE5 - COMPLEMENTARY DELIVERY/SHIPMENT SCHEDULE

                                    IND.
 SEQ. ELEM  ELEMENT NAME            USE  TYPE SIZ. DEC. POSITION
 ---- ----  ---------------------------- --- ---- --- --- -------

  19   3    CURRENT PROGRAM IDENTIFICATION  O   A   9   0   91  99
            Current part/material program identification by the customer, remains
unedited until the issuance of a new program.

  20  368   INIT. ITEM DELIVERY/SHIPMENT DT  O   N   6   0  100 105
            Initial delivery/shipment date, based on the gap period. (Ex. 10 week
days from the delivery end date)

  21  434   PROGRAMMING IDENTIFICATION  O   A   1   0  106 106
            1) Steady programming (frozen. period) 2) Mat. in process<not used> 3)
            Material acquisition 4>Planned hour 6> Cancelled order 7>Open order
            without programming 8> Request qty not allocated.

  22   3    CURRENT PROGRAM ID.        O   A   9   0  107 115
            Current part/material program identification by the customer, remains
unedited until the issuance of a new program

  23  9999  SPACE                      M   A   13  0  116 128
```

```
                    REGISTER LAYOUT

          PE6 - ITEM COMPLEMENTARY DATA

                                        IND.
 SEQ. ELEM  ELEMENT NAME                USE  TYPE SIZ. DEC. POSITION
 ---- ----  ----------------------------  ---  ---- --- --- -------

  1    1    REGISTER TYPE IDENTIFICATION   M    A    3   0   1  3
            Register identification for a determined communication transaction. Ex.:
            Register ITP, PE1, AE2, EF1, etc.

  2   447   CONVERSION FACTOR             O    N   10   5   4  13
            Converts the measurement unit for the supplied or manufactured
            measurement unit, according to supplier quotation.

  3   448   TECNICAL ITEM MODIFICATION    O    A    4   0  14  17
            Identification of technical modifications in the item design according to
            the item draft. Filling format: Gb00, bb00 b=blanks. Has 4 alphanumeric
            positions.

  4   449   MATERIAL CODE                 O    A   10   0  18  27
            Internal CBL product identification, demonstrating the material type or
            supplier factory and material specification

  5   531   ITEM WEIGHT                   O    A   12   3  28  39
            Supplied item weight.

  6   532   USED MEASUREMENT UNIT FOR WEIGHT O  N    2   0  40  41
            Measurement unit (Ex: Kilogram = KG)

  7  9999   SPACE                         M    A   87   0  42 128
```

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                                                   Issuance     : 09/04/08
```

```
               REGISTER LAYOUT

          PE7 - CUSTOMER PRIMARY PACKING DATA


                                       IND.
  SEQ. ELEM   ELEMENT NAME             USE   TYPE SIZ. DEC. POSITION
  ---- ----   ---------------------------   ---   ---- --- --- -------

   1    1     REGISTER TYPE IDENTIFICATION   A     3   0    1   3
              Identification register from a determined transaction. Ex.: Register ITP,
              PE1, AE2, EF1, etc.

   2   533    CUSTOMER PRIMARY PACKING DATA ID.M   A    30   0    4  33
              INTERNAL CUSTOMER PRIMARY PACKING ASSINED BY FORD (CMMS3)

   3   534    PACKING DESCRIPTION            O     A    20   0   34  53
              PACKING DESCRIPTION

   4   535    PACKING HEIGHT                 O     N    12   3   54  65
              EXEMPLE: VDA BOX HEIGHT

   5   536    PACKING WIDTH                  O     N    12   3   66  77
              EXEMPLE: VDA BOX WIDTH

   6   537    PACKING LENGTH                 O     N    12   3   78  89
              EXEMPLE: VDA BOX LENGTH.

   7   538    PACKING MEASUREMENT UNIT DIM.  O     A     2   0   90  91
              MEASUREMENT UNIT (EX: MILIMETER=MM, CENTIMETER=CM, METRO=MR)

   8   539    PACKING WEIGHT                 O     N    12   3   92 103
              EXAMPLE: VDA BOX WEIGHT.

   9   532    MEASUREMENT UNIT USED FOR WEIGHT O   N     2   0  104 105
              Measurement unit (ex: Kilogram = KG)

  10   541    CUSTOMER PRIM. PACKING CAPACITY O    N    12   0  106 117
              PACKING CAPACITY IN PARTS.

  11    69    PACKING RESPONSIBLE CODE       O     A     1   0  118 118
              This code identifies the responsible for the packing supply (F = Supplier
              ; C = Customer)

  12  9999    SPACE                          M     A    10   0  119 128
```

                         REGISTER LAYOUT

          PE8 - SECONDARY PACKING CUSTOMER DATA

                                             IND.
  SEQ. ELEM ELEMENT NAME   USE   TYPE SIZ. DEC. POSITION
  ---- ---- ----------------------------   ---   ---- --- --- -------

   1   1   REGISTER TYPE IDENTIFICATION   A   3   0   1   3
            Communication transaction register identification. Ex.: Register ITP,
            PE1, AE2, EF1, etc.

   2   26   SECONDARY PACKING IDENTIFICATION M   A   30   0   4 33
            Identification assigned by the customer for packings that will be used in
            the item supply. Ex: pallet, container, etc

   3 534   PACKING DESCRIPTION   O   A   20   0   34 53
            PACKING DESCRIPTION

   4 535   PACKING HEIGHT   O   N   12   3   54 65
            EXAMPLE: VDA BOX HEIGHT

   5 536   PACKING WIDTH   O   N   12   3   66 77
            EXAMPLE: VDA BOX WIDTH.

   6 537   PACKING LENGTH   O   N   12   3   78 89
            EXAMPLE: VDA BOX LENGTH.

   7 538   PACKING MEASUREMENT UNIT DIM.   O   A   2   0   90 91
            UNIDADE DE MEDIDA (EX: MILIMETER=MM, CENTIMETER=CM, METER=MR)

   8 539   PACKING WEIGHT   O   N   12   3   92 103
            EXAMPLE: BOX WEIGHT VDA.

   9 532   MEASUREMENT UNIT USED FOR WEIGHT O   N   2   0 104 105
            Measurement unit (ex: Kilogram = KG)

  10   28   SECONDARY PACKING CAPACITY   O   N   12   3 106 117
            It's the primary packing quantity to be packed in a secondary packing.
            Ex.: Box number packed in a pallet.

  11 542   PRIM. PCK. N. SECUN. PCK. LAY. O   N   3   0 118 120
            PRIMARY PACKING NUMBER BY EACH SECONDARY PACKING LAYER. EX: BOXES NUMBER
            BY PALLET LAYER

  12 543   SECONDARY PCK NUMBER BY LAYER N. O   N   3   0 121 123
            PALLET NUMBER LAYER

  13 9999   SPACE   M   A   5   0 124 128

                        REGISTER LAYOUT

         PE4 – PACKING DATA

                                              IND.
 SEQ. ELEM   ELEMENT NAME   USE   TYPE SIZ. DEC. POSITION
 ---- ----   ----------------------------   ---   ---- ---   ---   -------

   1   1   REGISTER TYPE IDENTIFICATION   M   A   3   0   1   3
             Register identification from a determined communication transaction. Ex.:
             Register ITP, PE1, PE1, AE2, EF1, etc.

   2   26   SECONDARY PACKING IDENTIFICATION O   A   30   0   4   33
             Identification assigned by the customer for packings that will be used in
             the item supply. Ex: Pallet, container, etc.

   3   27   SUPPLIER SECONDARY PACKING ID.   O   A   30   0   34   63
             Identification assigned by the customer for packings that will be used in
             the item supply to the customer. Exs.: Pallet, container, etc.

   4   28   SECONDARY PACKING CAPACITY   O   N   12   3   64   75
             It's the primary packing quantity that will be used in a secondary
             packing.
              Ex.: The boxes number packed in a pallet.

   5   41   SUPPLIER PRIMARY PACKING ID.   O   A   30   0   76 105
             Identification assigned by the customer for the packings that will be
             used directly in the item.

   6   72   CUSTOMER PRIMARY PACKING CPCTY   O   N   12   3 106 117
             Assigned primary identification. It's the item quantity that can be
             packed in a packing.

   7   69   PACKING RESPONSIBLE CODE   O   A   1   0 118 118
             Code which identifies the responsible for the packing supply. (F =
             Supplier ; C = Customer).

   8 9999   SPACE   M   A   10   0 119 128

                        LAYOUT REGISTER

          TE1 – FREE TEXT

                                           IND.
  SEQ. ELEM   ELEMENT NAME   USE   TYPE SIZ. DEC. POSITION
  ---- ----   ---------------------------- --- ---- --- --- -------

   1   1   REGISTER TYPE IDENTIFICATION   M   A   3   0   1   3
             Register identification for a determined communication transaction. Ex.:
             Register ITP, PE1, AE2, EF1, etc.

   2   29   INFORMATIVE FREE TEXT   M   A   40   0   4 43
             Free text message.

   3   29   INFORMATIVE FREE TEXT   O   A   40   0   44 83
             Free text message.

   4   29   INFORMATIVE FREE TEXT   O   A   40   0   84 123
             Free text message.

   5 9999   SPACE   M   A   5   0 124 128

                        REGISTER LAYOUT

        FTP - TRANSMISSION PROCESS ENDING

                                            IND.
 SEQ. ELEM ELEMENT NAME   USE TYPE SIZ. DEC. POSITION
 ---- ---- ----------------------------   --- ---- --- --- -------

   1   1   REGISTER TYPE IDENTIFICATION   M   A   3   0   1   3
            Register identification for a determined communication transaction. Ex.:
            Register ITP, PE1, AE2, EF1, etc.

   2   36   CONTROL NUMBER TRANSMISSION   O   N   5   0   4   8
            Movement control number within the communication transaction, assigned by
            the transmitter. Sequential number, for each transmission and for each
            reception.

   3   39   TRANSACTION REGISTER QUANTITY   M   N   9   0   9 17
            Total register quantity from a transaction, including the register ITP
            and FTP.

   4   245 TOTAL VALUES NUMBER   O   N   17   2   18 34
            Sum of the registered values which were transmitted for control.

   5   201 OPERATIONAL CATEGORY   O   A   1   0   35 35
            Indicates which transaction type was released in the company bank
            account. Ex.: debit or credit. This element relates to a value.

   6   9999 SPACE   M   A   93   0   36 128

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4 - APPENDIX

ELEMENTO 002 – DESTINATION FACTORY CODE

Company	Code	Description
FIAT	100	Always formatted with this value
GM	01	Sao Caetano do Sul
GM	02	Sao Jose dos Campos

ELEMENTO 003 – CURRENT PROGRAM IDENTIFICATION

Company	Code	Description
GM		It is a growing numeration which relates to the Material Deliver Authorization. This numeration can be accompanied with the letter "R". If it happens, the AEM quantities is reviewed Ex:n.0545 or 0545R. Obs.: If this supplier receives two AEM's with the same numeration, both of them will be reviewed. The most recent AEM must prevail.
FIAT	00000001	Always formatted with this value

ELEMENTO 010 – DESTINATION FACTORY CODE

Company	Code	Description
FIAT		Always formatted with this value