### Annex 9- Message 997.

**DATA TRANSMISSION**

" All fields marked with \* are required "

**Describes the necessary requirements for the conversion or transformation of the information to be used by the interface (receive information). Includes an example of the format to be used. which must contain a structure defined in accordance to the requierements of the client.**

**Example:**

**Conversion of files from one format to another without loss of information**

**Information validation routine**

**Automated conversion tools**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Segment** | | | **Position in the segment** | **Identifier**  **Element of**  **Segment** | **Item Name** | **Required element** | **Type of data** | **Length**  **Minimum** | **Length**  **Maximum** | **Comments** |
| **1. Heading**  **(1…1)**  **Required** | | | 1 | TipoEmi | Emitter type\* | Required | **Numerical** | **1** | **1** | **1.- Importer**  **2.- Shipping line**  **3.- International freight forwarder** |
| 2 | FchEnvio | Date of Shipment\* | Required | Date | **1000** |  | **2010-01-26T05:10:10**  **UTC-Time will be used** |
| 3 | Resp | Answer \* | Required | Alphanumerical | **8** | 9 | **If the message is correct an "ACCEPTED" answer will be sent and if it is incorrect it will be sent "REJECTED”** |
| 4 | IdPet | Id de petición\* | Required | Alphanumerical | 15 | 255 |  |
| **2. ISA Interchange Control Header**  **(1…1)**  **Required segment** | | | 1 | ISA01 | Authorization Information Qualifier\* | Required | Numerical | 2 | 2 |  |
| 2 | ISA02 | Authorization Information | Required | Alphanumerical | 10 | 10 |  |
| 3 | ISA03 | Security Information Qualifier | Required | Alphanumerical | 2 | 2 |  |
| 4 | ISA04 | Security Information | Required | Alphanumerical | 10 | 10 |  |
| 5 | ISA05 | Interchange ID Qualifier | Required | Alphanumerical | 2 | 2 |  |
| 6 | ISA06 | Interchange Sender ID | Required | Alphanumerical | 4 | 15 |  |
| 7 | ISA07 | Interchange ID Qualifier | Required | Alphanumerical | 2 | 2 |  |
| 8 | ISA08 | Interchange Receiver ID | Required | Alphanumerical | 7 | 15 |  |
| 9 | ISA09 | Interchange Date | Required | Date | 6 | 6 |  |
| 10 | ISA10 | Interchange Time | Required | Date | 4 | 4 |  |
| 11 | ISA11 | Interchange Control Standards Identifier | Optional | Alphanumerical (with special characters) | 1 | 1 |  |
| 12 | ISA12 | Interchange Control Version Number | Optional | Numerical | 5 | 5 |  |
| 13 | ISA13 | Interchange Control Number | Required | Alphanumerical (with special characters) | 9 | 9 |  |
| 14 | ISA14 | Acknowledgment Requested | Required | Numerical | 1 | 1 |  |
| 15 | ISA15 | Usage Indicator | Required | Alphanumerical | 1 | 1 |  |
| 16 | ISA16 | Component Element Separator | Required | Alphanumerical (with special characters) | 1 | 1 |  |
| **3. GS Functional Group Header**  **(1…1)**  **Required segment** | | | 1 | GS01 | Functional Identifier Code | Required | Alphanumerical | 2 | 2 |  |
| 2 | GS02 | Application Sender's Code | Required | Alphanumerical | 4 | 15 |  |
| 3 | GS03 | Application Receiver's Code | Required | Alphanumerical | 7 | 15 |  |
| 4 | GS04 | Date | Required | Date | 8 | 8 |  |
| 5 | GS05 | Time | Required | Date | 4 | 8 |  |
| 6 | GS06 | Group Control Number | Required | Alphanumerical  (with special characters) | 1 | 9 |  |
| 7 | GS07 | Responsible Agency Code | Required | Alphanumerical | 1 | 2 |  |
| 8 | GS08 | Version / Release / Industry Identifier Code | Required | Alphanumerical | 1 | 12 |  |
| **4. ST Transaction Set Header**  **(1…1)**  **Required segment** | | | 1 | ST01 | Transaction Set Identifier Code | Required | Numerical | 3 | 3 |  |
| 2 | ST02 | Transaction Set Control Number | Required | Alphanumerical  (with special characters) | 9 | 120 |  |
| **5. AK1 Funtional Group Response Header**  **(1…1)**  **Required segment** | | | 1 | AK101 | Functional Identifier Code\* | Required | Numerical | 2 | 2 | Number Assigned by the sender and must be equal to the element GS01 |
| 2 | AK102 | Group Control Number\* | Required | Numerical | 1 | 9 | Number Assigned by the sender and must be equal to the element GS06 |
| 3 | AK103 | Version / Release / Industry Identifier Code | Not used | Alphanumerical | 1 | 12 |  |
| LOOP ID - AK2  (1…N) | **6. AK2 Transaction Set Response Header**  **(0…1)**  **Segmento Optional** | | 1 | AK201 | Transaction Set Identifier Code | Required | Numerical | 3 | 3 | It is the Id. Found in the ST segment of the ST01 element |
| 2 | AK202 | Transaction Set Control Number | Required | Alphanumerical | 4 | 9 | It is the Id. Found in the ST segment of the ST02 element |
| 3 | AK203 | Implementation Convention Reference | Not used | Alphanumerical | 1 | 35 |  |
| LOOP ID - AK3  (1…N) | **6.1 AK3 Data Segment Note**  **(0…1)**  **Segmento Optional** | 1 | AK301 | Segment ID Code | Required | Alphanumerical | 2 | 3 | Indicates the name of the segment where an error was identified (Example: ISA) |
| 2 | AK302 | Segment Position in Transaction Set | Required | Numerical | 1 | 10 | It is the position where the segment is located (numbered list, example: 1.2.1.0) |
| 3 | AK303 | Loop Identifier Code | Not used | Alphanumerical | 1 | 4 |  |
| 4 | AK304 | Segment Syntax Error Code | Optional | Numerical | 1 | 3 | Indicates the error code that was in the segment.  Error code list:  (1) Unrecognized segment ID  (2) Unexpected segment  (3) Required segment missing  (4) The occurrence of the loop exceeds the maximum allowed  (5) Segment exceeds maximum usage  (6) Segment not defined for the transaction  (7) The Segment is not in the correct sequence  (8) The segment contains data element errors |
| **6.2 AK4 Data Element Note**  **(0…99)**  **Segmento Optional** | 1 | AK401 | Element Position in Segment | Required | Numerical | 1 | 2 | Indicates the position of the data element, example: ISA05 element, its position will be 5. |
| 2 | AK402 | Data Element Reference Number | Not used | Numerical | 1 | 4 |  |
| 3 | AK403 | Data Element Syntax Error Code | Required | Numerical | 1 | 3 | Indicates the error code that was in the  (1) Missing data element Required  (2) Missing element of conditional data required  (3) There are too many data elements  (4) Data element too short  (5) Data element too long  (6) Invalid character in the data element  (7) Invalid code value  (8) Date not valid  (9) Invalid time  (10) Conditional exclusion of unfulfilled cross-field |
| 4 | AK404 | Copy of Bad Data Element | Optional | Alphanumerical | 1 | 99 | It is the description of the error in the element, example: if the error code is 1, its description would be: "Missing data element Required" |
| **7. AK5 Transaction Set Response Trailer**  **(1…1)**  **Required segment** | | 1 | AK501 | Transaction Set Acknowledgement Code | Required | Alphanumerical | 1 | 1 | A - Accepted  R - Rejected |
| **8. AK9 Funtional Group Response Trailer**  **(0…1)**  **Segment in used** | | | 1 | AK901 | Funtional Group Acknowledge Code | Not used | Alphanumerical | 1 | 1 | A - Accepted R - Rejected |
| 2 | AK902 | Number of Transaction Sets Included | Not used | Numerical | 1 | 6 |  |
| 3 | AK903 | Number of Received Transaction Sets | Not used | Numerical | 1 | 6 |  |
| 4 | AK904 | Number of Accepted Transaction Sets | Not used | Numerical | 1 | 6 |  |
| 5 | AK905 | Funtional Group Syntax Error Code | Not used | Numerical | 1 | 3 | 1 Functional Group Not Supported  2 Functional Group Version Not Supported  3 Functional Group Trailer Missing  4 Group Control Number in the Functional Group Header and Trailer Do Not Agree  5 Number of Included Transaction Sets Does Not Match Actual Count  6 Group Control Number Violates Syntax  7 Invalid Application Sender's Code  8 Invalid Application Receiver's Code  9 Invalid Responsible Agency Code  10 Authentication Key Name Unknown  11 Encryption Key Name Unknown  12 Requested Service (Authentication or Encryption) Not Available  13 Unknown Security Recipient  14 Unknown Security Originator  15 Syntax Error in Decrypted Text  16 Security Not Supported  17 Incorrect Message Length (Encryption Only)  18 Message Authentication Code Failed  19 Functional Group Control Number not Unique within Interchange  23 S3E Security End Segment Missing for S3S Security Start Segment  24 S3S Security Start Segment Missing for S3E End Segment  25 S4E Security End Segment Missing for S4S Security Start Segment  26 S4S Security Start Segment Missing for S4E Security End Segment  30 Invalid Group Date  31 Invalid Group Time |
| 6 | AK906 | Funtional Group Syntax Error Code | Not used | Numerical | 1 | 3 |  |
| 7 | AK907 | Funtional Group Syntax Error Code | Not used | Numerical | 1 | 3 |  |
| 8 | AK908 | Funtional Group Syntax Error Code | Not used | Numerical | 1 | 3 |  |
| 9 | AK909 | Funtional Group Syntax Error Code | Not used | Numerical | 1 | 3 |  |
| **9. SE Transaction Set Trailer**  **(1…1)**  **Required segment** | | | 1 | SE01 | Number of Included Segments | Required | Numerical | 1 | 10 |  |
| 2 | SE02 | Transaction Set Control Number | Required | Alphanumerical | 4 | 9 |  |
| **10. GE Functional Group Trailer**  **(1…1)**  **Required segment** | | | 1 | GE01 | Number of Transaction Sets Included | Required | Numerical | 1 | 6 |  |
| 2 | GE02 | Group Control Number | Required | Numerical | 1 | 9 |  |
| **11. IEA Interchange Control Trailer**  **(1…1)**  **Required segment** | | | 1 | IEA01 | Number of Included Functional Groups | Required | Numerical | 1 | 5 |  |
| 2 | IEA02 | Interchange Control Number | Required | Numerical | 9 | 9 |  |