

# **LOWE'S EDI**

## **997 Functional Acknowledgment**

**VERSION: 004010**

**Publication Date: November 9, 1998**

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# 997 Functional Acknowledgment

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## Functional Group=FA

This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

### **Please note:**

All usages under the label "Req" denote X12 usages. All usages under the label "Usage" denote Lowe's usages.

#### TRADING PARTNER'S OUTBOUND ACKNOWLEDGMENTS

One 997 transaction will be required for each group of documents you receive.

A functional acknowledgment should not be acknowledged, preventing an endless cycle of acknowledgments for acknowledgments.

This acknowledgment must be returned as soon as the documents are received. If you do not have unattended processing on weekends, please make special provisions to access your EDI mailbox multiple times on Fridays and Mondays to pull all Lowe's documents and return your functional acknowledgments as soon as possible.

These functional acknowledgments should be sent at the functional group level or summary level, with only AK1 and AK9 segments.

If the acknowledgment failed for a particular transmission and cannot be regenerated, a fax is required stating the date of the documents and the interchange number from Lowe's that failed. Also include a contact name and phone number for questions. Send the fax to the EDI department at (336) 658-7105.

#### TRADING PARTNER'S INBOUND ACKNOWLEDGMENTS

One 997 transaction will be transmitted for each group of documents you send.

A functional acknowledgment will not be acknowledged, preventing an endless cycle of acknowledgments for acknowledgments.

The functional acknowledgment confirms only that the contents of the transmission were syntactically correct. It is not a confirmation of application level data, such as pricing, terms, discounts, etc.

If documents are received and processed by 7:00 p.m. (ET), a functional acknowledgment will be transmitted that same night. If the documents are processed after 7:00 p.m. (ET), a functional acknowledgment will be transmitted the next evening (Monday through Friday).

If an acknowledgment is not received for your documents, call your Lowe's EDI coordinator to determine if Lowe's received your documents. It is your responsibility to reconcile your outbound documents with inbound functional acknowledgments from Lowe's.

**Heading:**

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u>               | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|-----------------------------------|------------|----------------|---------------|--------------|--------------|
|            | ISA       | Interchange Control Header        | M          | 1              |               |              | Mandatory    |
|            | GS        | Functional Group Header           | M          | 1              |               |              | Mandatory    |
| 010        | ST        | Transaction Set Header            | M          | 1              |               |              | Mandatory    |
| 020        | AK1       | Functional Group Response Header  | M          | 1              |               |              | Mandatory    |
| 070        | AK9       | Functional Group Response Trailer | M          | 1              |               |              | Mandatory    |
| 080        | SE        | Transaction Set Trailer           | M          | 1              |               |              | Mandatory    |
|            | GE        | Functional Group Trailer          | M          | 1              |               |              | Mandatory    |
|            | IEA       | Interchange Control Trailer       | M          | 1              |               |              | Mandatory    |

# ISA Interchange Control Header

|             |              |
|-------------|--------------|
| Pos:        | Max: 1       |
| - Mandatory |              |
| Loop: N/A   | Elements: 16 |

To start and identify an interchange of zero or more functional groups and interchange-related control segments

### Example:

ISA\*00\*            \*00\*            \*01\*            sender's id\*01\*            receiver's id\*980824\*1400\*U\*00400\*00000001\*0\*T>\ (006097142 with a 01 qualifier is Lowe's id for EDI transactions for both test and production data.)

### Element Summary:

| Ref   | Id    | Element Name  | Req | Type | Min/Max | Usage     |
|-------|-------|---|-----|------|---------|-----------|
| ISA01 | I01   | <b>Authorization Information Qualifier</b><br><u>Code NAME</u>  | M   | ID   | 2/2     | Mandatory |
|       | 00    | No Authorization Information Present (No Meaningful Information in I02)   |     |      |         |           |
| ISA02 | I02   | <b>Authorization Information</b><br>Please note: This element should be filled with spaces.                               | M   | AN   | 10/10   | Mandatory |
| ISA03 | I03   | <b>Security Information Qualifier</b><br><u>Code NAME</u>   | M   | ID   | 2/2     | Mandatory |
|       | 00    | No Security Information Present (No Meaningful Information in I04)  |     |      |         |           |
| ISA04 | I04   | <b>Security Information</b><br>Please note: This element should be filled with spaces.                                    | M   | AN   | 10/10   | Mandatory |
| ISA05 | I05   | <b>Interchange ID Qualifier</b><br>All valid X12 codes are used.  | M   | ID   | 2/2     | Mandatory |
| ISA06 | I06   | <b>Interchange Sender ID</b>  | M   | AN   | 15/15   | Mandatory |
| ISA07 | I05   | <b>Interchange ID Qualifier</b><br>All valid X12 codes are used.  | M   | ID   | 2/2     | Mandatory |
| ISA08 | I07   | <b>Interchange Receiver ID</b><br>Please note: The receiver id for Lowe's for both test and production data is 006097142. | M   | AN   | 15/15   | Mandatory |
| ISA09 | I08   | <b>Interchange Date</b>   | M   | DT   | 6/6     | Mandatory |
| ISA10 | I09   | <b>Interchange Time</b>   | M   | TM   | 4/4     | Mandatory |
| ISA11 | I10   | <b>Interchange Control Standards Identifier</b><br>All valid X12 codes are used.  | M   | ID   | 1/1     | Mandatory |
| ISA12 | I11   | <b>Interchange Control Version Number</b><br><u>Code NAME</u>   | M   | ID   | 5/5     | Mandatory |
|       | 00400 | Standard Issued as ANSI X12.5-1997  |     |      |         |           |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                                 | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ISA13      | I12       | <u>Interchange Control Number</u>                   | M          | N0          | 9/9            | Mandatory    |
| ISA14      | I13       | <u>Acknowledgment Requested</u><br><u>Code NAME</u> | M          | ID          | 1/1            | Mandatory    |
|            |           | 0    No Acknowledgment Requested                    |            |             |                |              |
| ISA15      | I14       | <u>Usage Indicator</u><br><u>Code NAME</u>          | M          | ID          | 1/1            | Mandatory    |
|            |           | P    Production Data                                |            |             |                |              |
|            |           | T    Test Data                                      |            |             |                |              |
| ISA16      | I15       | <u>Component Element Separator</u>                  | M          |             | 1/1            | Mandatory    |

# GS Functional Group Header

|             |             |
|-------------|-------------|
| Pos:        | Max: 1      |
| - Mandatory |             |
| Loop: N/A   | Elements: 8 |

To indicate the beginning of a functional group and to provide control information

**Example:**

GS\*FA\*sender's id\*receiver's id\*19980824\*1400\*1\*X\*004010\

**Element Summary:**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| GS01       | 479       | -<br><b>Functional Identifier Code</b><br><u>Code NAME</u><br>FA - Functional Acknowledgment (997)  | M          | ID          | 2/2            | Mandatory    |
| GS02       | 142       | Application Sender's Code   | M          | AN          | 2/15           | Mandatory    |
| GS03       | 124       | Application Receiver's Code<br>Please note:<br>The receiver id for Lowe's for both test and production data is 006097142.   | M          | AN          | 2/15           | Mandatory    |
| GS04       | 373       | Date  | M          | DT          | 8/8            | Mandatory    |
| GS05       | 337       | Time  | M          | TM          | 4/8            | Mandatory    |
| GS06       | 28        | Group Control Number  | M          | N0          | 1/9            | Mandatory    |
| GS07       | 455       | Responsible Agency Code<br><u>Code NAME</u><br>X - Accredited Standards Committee X12   | M          | ID          | 1/2            | Mandatory    |
| GS08       | 480       | Version / Release / Industry Identifier Code<br><u>Code NAME</u><br>-<br>004010 Draft Standards Approved for Publication by ASC X12<br>Procedures Review Board through October 1997 | M          | AN          | 1/12           | Mandatory    |

# ST Transaction Set Header

|                     |             |
|---------------------|-------------|
| Pos: 010            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

To indicate the start of a transaction set and to assign a control number

**Example:**

ST\*997\*0001\

**Element Summary:**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                                 | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ST01       | 143       | Transaction Set Identifier Code<br><u>Code NAME</u> | M          | ID          | 3/3            | Mandatory    |
|            |           | 997 Functional Acknowledgment                       |            |             |                |              |
| ST02       | 329       | Transaction Set Control Number                      | M          | AN          | 4/9            | Mandatory    |

# AK1 Functional Group Response Header

|                     |             |
|---------------------|-------------|
| Pos: 020            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

To start acknowledgment of a functional group

**Example:**

AK1\*PO\*1001\

**Element Summary:**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                     | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| AK101      | 479       | Functional Identifier Code<br>Code NAME | M          | ID          | 2/2            | Mandatory    |
|            |           | PO Purchase Order (850)                 |            |             |                |              |
| AK102      | 28        | Group Control Number                    | M          | N0          | 1/9            | Mandatory    |



# AK9 Functional Group Response Trailer

|                     |             |
|---------------------|-------------|
| Pos: 070            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 4 |

To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group

**Example:**

AK9\*A\*2\*2\*2\

**Element Summary:**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| AK901      | 715       | -<br>Functional Group Acknowledge Code<br><u>Code NAME</u>  | M          | ID          | 1/1            | Mandatory    |
|            |           | A Accepted<br>E Accepted,But Errors Were Noted.<br>P Partially Accepted,At Least One Transaction Set Was Rejected<br>R Rejected |            |             |                |              |
| AK902      | 97        | Number of Transaction Sets Included   | M          | N0          | 1/6            | Mandatory    |
| AK903      | 123       | Number of Received Transaction Sets   | M          | N0          | 1/6            | Mandatory    |
| AK904      | 2         | Number of Accepted Transaction Sets   | M          | N0          | 1/6            | Mandatory    |

# SE Transaction Set Trailer

|                     |             |
|---------------------|-------------|
| Pos: 080            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Example:**

SE\*4\*0001\

**Element Summary:**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>            | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--------------------------------|------------|-------------|----------------|--------------|
| SE01       | 96        | Number of Included Segments    | M          | N0          | 1/10           | Mandatory    |
| SE02       | 329       | Transaction Set Control Number | M          | AN          | 4/9            | Mandatory    |

**Please note:**

This control number must match the control number in ST02 element.

# GE Functional Group Trailer

|             |             |
|-------------|-------------|
| Pos:        | Max: 1      |
| - Mandatory |             |
| Loop: N/A   | Elements: 2 |

To indicate the end of a functional group and to provide control information

**Example:**

GE\*1\*1\

**Element Summary:**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                 | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-------------------------------------|------------|-------------|----------------|--------------|
| GE01       | 97        | Number of Transaction Sets Included | M          | N0          | 1/6            | Mandatory    |
| GE02       | 28        | Group Control Number                | M          | N0          | 1/9            | Mandatory    |

**Please note:**

This control number must match the control number in the GS08 element.

# IEA Interchange Control Trailer

|             |             |
|-------------|-------------|
| Pos:        | Max: 1      |
| - Mandatory |             |
| Loop: N/A   | Elements: 2 |

To define the end of an interchange of zero or more functional groups and interchange-related control segments

**Example:**

IEA\*1\*000000001\

**Element Summary:**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--------------------------------------|------------|-------------|----------------|--------------|
| IEA01      | I16       | Number of Included Functional Groups | M          | N0          | 1/5            | Mandatory    |
| IEA02      | I12       | Interchange Control Number           | M          | N0          | 9/9            | Mandatory    |

**Please note:**

This control number must match the control number in the ISA13 element.