The Right Technology. Right Away." ${ }^{\text {m }}$

# Electronic Data Interchange (EDI) Standards Inbound Purchase Order Acknowledgment (855) Version 004010 

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## Purpose:

This document contains the format and establishes the data contents of Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order.

The segments listed below are a subset of the Purchase Order Confirmation Transaction Set (858) and represents the segments that CDW prefers to receive.

Heading:

| Id | Segment Name | Req | Max Use | Repeat |
| :--- | :--- | :---: | :---: | :---: |
| ISA | Interchange Control Header | M | 1 | Usage |
| ST | Transaction Set Header | M | 1 | Must Use |
| BAK | Beginning Segment for Purchase Order Acknowledgment | M | 1 | Must Use |
| REF | Reference Numbers | O | $>1$ | Must Use |
| FOB | F.O.B. Related Instructions | O | $>1$ | Used |
| ITD | Terms of Sale/Deferred terms of Sale | O | 1 | Used |
| TD5 | Carrier Details | O | 1 | Used |
| Loop ID - N1 | $\mathbf{O}$ |  | Used |  |
| N1 | Name | O | 1 | $\mathbf{2 0 0}$ |
| N3 | Address Information | O | 2 | Used |
| N4 | Geographic Location | O | 1 | Used |

## Detail:

| Id | Segment Name | Req | Max Use | Repeat |
| :--- | :---: | :---: | :---: | :---: |
| Loop ID - PO1 |  |  | $\mathbf{1 0 0 0 0 0}$ | Usage |
| PO1 | Baseline Item Data | O | 1 |  |
| REF | Reference Numbers | O | $>1$ | Must Use |
| DTM | Date/Time Reference | O | 10 | Used |
| Loop ID - ACK |  |  | $\mathbf{> 1}$ | Used |
| ACK | Line Item Acknowledgment | O | 1 | Used |
| DTM | Date/Time Reference | O | 1 | Used |

## Summary:

| Id | Segment Name | Req | Max Use | Repeat | Usage |
| :--- | :--- | :---: | :---: | :---: | :---: |
| CTT | Transactions Totals | M | 1 | Must Use |  |
| AMT | Monetary Amount | O | 1 | Must Use |  |
| SE | Transaction Set Trailer | M | 1 | Must Use |  |

The following is a guide to the notation that is used to present the specifications:

| Required or Usage | Element Type |  |
| :---: | :---: | :---: |
| C Conditional | AN | Alpha Numeric |
| M Mandatory | DT | Date, in the form of YYMMDD |
| O Optional | ID | Identifier or Qualifier |
| U Used | Nx | Numeric, ' $x$ ' is the number of decimal positions |
| X Relational | R | Decimal, with the decimal point included |
|  | TM | Time, in the form of HHMM |

Please note that the segment terminators are not shown.

## ST Transaction Set Header



## Example:

ST~855~5730001

## BAK Beginning Segment for Purchase Order Acknowledgment



## Example:

BAK~00~AC~1047023~20001003

## REF Reference Numbers



## FOB F.O.B Related Instructions

| User Option (Usage): Purpose: |  | Used <br> To specify transportation instructions relating to shipment. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Element Summary: |  |  |  |  |  |  |  |
| Ref | Id | Elemen | Name | Req | Type | Min/Max | Usage |
| FOB01 | 146 | Shipm | Payment Method | M | ID | 2/2 | U |
|  |  | Description Code identifying payment terms for transportation charges |  |  |  |  |  |
|  |  | Code | Name |  |  |  |  |
|  |  | CA | Advance Collect |  |  |  |  |
|  |  | PA | Advance Pre Pay |  |  |  |  |
|  |  | CC | Collect |  |  |  |  |
|  |  | MX | Mixed |  |  |  |  |
|  |  | BP | Paid by Buyer |  |  |  |  |
|  |  | PC | Prepaid but charge |  |  |  |  |
|  |  | PP | Pre Paid |  |  |  |  |
|  |  | PS | Paid by Supplier/V |  |  |  |  |
|  |  | TP | Third Party Pays |  |  |  |  |
| FOB02 | 309 | Location Qualifier |  | X | ID | 1/2 | 0 |
|  |  | Description Code identifying type of location |  |  |  |  |  |
|  |  | Code | Name |  |  |  |  |
|  |  | DE | Destination (Shipp |  |  |  |  |
|  |  | OR | Origin (Shipping P |  |  |  |  |
| FOB03 | 352 | Description |  | C | AN | 1/8 | 0 |
|  |  | Descri | n A free-form de | fy the | ted dat | ments and | their con |

## Example:

| FOB $\sim$ CA | Example of Advance Collect |
| :--- | :--- |
| FOB $\sim P A$ | Example of Advance Pre Pay |
| FOB $\sim$ CC | Example of Collect |
| FOB $\sim$ MX | Example of Mixed |
| FOB $\sim$ BP | Example of Paid by Buyer |
| FOB $\sim$ PC | Example of Prepaid but charge to customer |
| FOB $\sim P P$ | Example of Pre Paid |
| FOB $\sim P S$ | Example of Paid by Supplier/Vendor |
| FOB $\sim T P$ | Example of Third Party Pays |

## ITD Terms of Sale/Deferred Terms of Sale

| User Option (Usage): Purpose: |  | Used <br> To specify terms of sale. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Element Summary: |  |  |  |  |  |  |
| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| ITD01 | 336 | Terms Type Code | O | ID | 1/2 | M |
| Description Code identifying type of payment terms. |  |  |  |  |  |  |
| ITD02 | 333 | Terms Basis Date Code | 0 | ID | 1/2 | M |
| Description Code identifying the beginning of the terms period. |  |  |  |  |  |  |



## Example:

ITD~01~3~1~~10~~30

## TD5 Carrier Details



## Example:

TD5~~~~T

## N1 Name

## User Option (Usage): <br> Purpose:

Element Summary:

| Ref |  |
| :--- | :--- |
| N101 | $\frac{\text { Id }}{98}$ |



Optional
To identify a party by type of organization, name, and code

Description Code designating the system/method of code structure used for Identification Code (67)

## Code Name

$91 \quad$ Assigned by Seller or Seller's Agent

94 Code assigned by the organization that is the ultimate destination of the transaction set
ZZ Mutually Defined
Identifying Code X AN 2/80 Used
Description Code identifying a party or other code

## Example:

N1~ST~CDW COMPUTER CENTERS, INC.~92~DS

## N2 Additional Name Information

User Option (Usage):
Purpose:
Element Summary:

| $\frac{\text { Ref }}{\mathrm{N} 201}$ | $\frac{\text { Id }}{93}$ | Element Name |  | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Name |  | M | AN | 1/60 | Used |
|  |  | Description | Free-form name |  |  |  |  |
| N202 | 93 | Name |  | 0 | AN | 1/60 | Used |
|  |  | Description | Free-form name |  |  |  |  |

## Example:

N2~JOHN~DOE

## N3 Address Information

| User Option (Usage): Purpose: |  | Optional <br> To specify the location of the named party |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Element Summary: |  |  |  |  |  |  |
| $\frac{\text { Ref }}{\text { N301 }}$ | $\frac{\text { Id }}{166}$ | Element Name | Req | Type | Min/Max | Usage |
|  |  | Address Information | M | AN | 1/55 | Used |
|  |  | Description Address |  |  |  |  |
| N302 | 166 | Address Information | 0 | AN | 1/55 | Used |
|  |  | Description Address |  |  |  |  |

## Example:

N3~200 N Milwaukee Ave~One CDW Parkway

## N4 Geographic Location



## Example:

N4~Vernon Hills~IL~60061~US~DE~01

## PO1 Baseline Item Data




## Example:

PO1~000000~1~EA~9817.92~~BP~217220~MG~1234567~VP~C7834A\#ABA~OE~OEM1234~UP~88698919064~UR~1234 567890123~AC~XYZ123

## REF Reference Numbers

| User Option (Usage): Purpose: |  | Optional |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Element Summary |  |  |  |  |  |  |  |
| $\frac{\text { Ref }}{\text { REF01 }}$ | Id | Eleme | Name | Req | Type | Min/Max | Usage |
|  | 128 | Refere | Number Qualifier | M | ID | 2/3 | M |
|  |  | Description Code qualifying the Reference Identification |  |  |  |  |  |
|  |  | Code Name |  |  |  |  |  |
|  |  | PO CDW purchase order number |  |  |  |  |  |
|  |  | EU CDW customer's purchase order number |  |  |  |  |  |
|  |  | GC Bid Contract Number |  |  |  |  |  |
|  |  | BB Manufacturer Authorization Number |  |  |  |  |  |
|  |  | BD Bid Request Number |  |  |  |  |  |
|  |  | AH License Authorization Number |  |  |  |  |  |
|  |  | IA Internal vendor Number |  |  |  |  |  |
|  |  | CT Contract Number |  |  |  |  |  |
|  |  | VN Vendor Order Number |  |  |  |  |  |
| REF02 | 127 | Reference Number |  | X | AN | 1/30 | M |
|  |  | Descri | Reference infor the reference | ned for ualifier | particu | ransaction | et or as specified by |
| REF03 | 352 | Descri |  | X | AN | 1/80 | U |

## Example:

REF~VN~000907

## DTM Date/Time Reference

| User Option (Usage): Purpose: |  | Optional <br> To specify pertinent dates and times |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Element Summary: |  |  |  |  |  |  |  |
| $\frac{\text { Ref }}{\text { DTM01 }}$ | $\frac{\text { Id }}{374}$ | Eleme | ame | Req | Type | Min/Max | Usage |
|  |  | Date/T | Qualifier | M | ID | 3/3 | U |
|  |  | Description Code specifying type of date or time, or both date and time. |  |  |  |  |  |
|  |  | Code Name <br> 017 Estimated Delivery Date <br> 067 Current Schedule Delivery |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| DTM02 | 373 | Date |  | X | DT | 8/8 | U |
|  |  | Descri | Date |  |  |  |  |

## Example:

DTM~067~20060616
DTM~017~20060617

ACK Date/Time Reference


Note: This element can be used to include a reason code. Work with the CDW implementer to determine valid codes.

| ACK08 | 234 | Product/Service ID | X | AN | 1/48 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Description Identi |  |  |  |

Note: $\quad$ This element can be used to include a reason code. Work with the CDW implementer to determine valid codes.

## Example:

ACK~IA~1~EA~017~20060623~0001059436

## DTM Date/Time Reference

| User Option (Usage): Purpose: |  | Optional <br> To specify pertinent dates and times |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Element Summary: |  |  |  |  |  |  |  |
|  | $\frac{\text { Id }}{374}$ | Eleme | ame | Req | Type | Min/Max | Usage |
| DTM01 |  | Date/T | Qualifier | M | ID | 3/3 | U |
|  |  | Description Code specifying type of date or time, or both date and time. |  |  |  |  |  |
|  |  | Note: | An estimated delivery date is required. This can be included in either the ACK or DTM segments. |  |  |  |  |
|  |  | Code | Name |  |  |  |  |
|  |  | 017 | Estimated |  |  |  |  |
|  |  | 067 | Current |  |  |  |  |
| DTM02 | 373 | Date |  | X | DT | 8/8 | U |
|  |  | Descr | n Date |  |  |  |  |

## Example:

DTM~067~20060616
DTM~017~20060617

## CTT Transaction Totals

User Option (Usage):
Purpose:

Optional
To transmit a hash total for a specific element in the transaction set

Element Summary:

| $\frac{\text { Ref }}{\text { CTT01 }}$ | $\frac{\text { Id }}{354}$ | $\frac{\text { Element Name }}{\text { Number of Line Items }}$ | $\frac{\text { Req }}{\mathrm{M}}$ | $\frac{\text { Type }}{\mathrm{N} 0}$ | $\frac{\text { Min/Max }}{1 / 6} \quad$ Usage |
| :--- | :--- | :--- | :--- | :--- | :--- |

## Example:

```
CTT~1
```


## AMT Monetary Amount

## User Option (Usage): <br> Purpose:

Optional
To indicate the total monetary amount

## Element Summary:

| Ref | $\frac{\text { Id }}{\text { AMT01 }}$ | Element Name | $\frac{\text { Req }}{\mathrm{O}}$ | $\frac{\text { Type }}{\text { Amount Qualifier code }}$ | $\underline{\text { Min/Max }}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |$\quad \underline{1 / 3} \quad$ Usage

Description Code to qualify amount
Code Name
$\begin{array}{ll}1 & \text { Line Item Total } \\ \text { TT } & \text { Total Transaction amount }\end{array}$
AMT02 782

| Monetary Amount | O | R | $1 / 18$ |
| :--- | :--- | :--- | :--- |

Description Monetary amount

## Example:

AMT~TT~1234.56

## SE Transaction Set Trailer

## User Option (Usage): <br> Purpose:

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

Element Summary:

| Ref | Id | Element Nam | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SE01 | 96 | Segments in Transaction | M | N0 | 1/10 | Mandatory |
|  |  | Description | luded | transa | set inclu | g ST and SE |


| SE02 | 329 | Transaction Set Control | M | AN | Mandatory |
| :--- | :--- | :--- | :--- | :--- | :--- |

Description Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.

## Comments:

1. SE is the last segment of each transaction set.

## Example:

## Appendix A - Change List

| SEGMENT | ELEMENT | QUAL | DESCRIPTION |
| :--- | :---: | :---: | :--- |
| HEADER |  |  |  |
| BAK | 02 |  | Acceptable codes limited to "AT", "AC' and "RD" and <br> qualifying rule(s) defined |
| REF | $01 / 02$ | VN | Vendor's Order Number |
| FOB |  |  | Acceptable codes listed <br> Segment added for Terms of Sale information <br> ITD |
| TD5 |  |  | Carrier Details segment added |

## Appendix B - Sample Inbound Purchase Order Acknowledgement (855)

ST~855~5730001
BAK~00~AC~1047023~20001003
REF~VN~000907
FOB~CA
ITD~01~3~1~~10~~30
TD5~~~~T
N1~ST~CDW COMPUTER CENTERS, INC.~92~DS
N2~JOHN~DOE
N3~200 N Milwaukee Ave~One CDW Parkway
N4~Vernon Hills~IL~60061~US~DE~01
PO1~000000~1~EA~9817.92~~BP~217220~MG~1234567~VP~C7834A\#ABA~OE~OEM1234~UP~8869891906
4~ UR~1234567890123~AC~XYZ123
REF~VN~000907
ACK~IA~1~EA~017~20060623~0001059436
DTM~067~20060616
DTM~017~20060617
CTT~1
AMT~TT~1234.56
SE*18* 5730001

Note: Segment terminators are not shown.

