ACE HARDWARE
850 PURCHASE ORDER
ANSI X12 4010

ISA SEGMENT		INTERCHANGE CONTROL HEADER			OCCURS 1 TIME	
		(X12 MANDATORY ENVELOPE)				

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
ISA01	I01	AUTHORIZATION INFO QUALIFIER	M	ID	02/02	"00".
ISA02	I02	AUTHORIZATION INFORMATION	M	AN	10/10	STANDARD FOLLOWED.
ISA03	I03	SECURITY INFO QUALIFIER	M	ID	02/02	"00".
ISA04	I04	SECURITY INFORMATION	M	AN	10/10	STANDARD FOLLOWED.
ISA05	I05	INTERCHANGE SENDER ID QUALIFIER	M	ID	02/02	ACE AS SENDER: ACE EDI QUALIFIER WILL BE "01".
ISA06	I06	INTERCHANGE SENDER ID	M	ID	15/15	ACE AS SENDER: ACE EDI ID WILL BE "006928311".
ISA07	I05	INTERCHANGE RECEIVER ID QUALIFIER	M	ID	02/02	YOUR EDI ID QUALIFIER.
ISA08	I07	INTERCHANGE RECEIVER ID	M	ID	15/15	YOUR EDI ID (IE. DUNS #).
ISA09	I08	TRANSMISSION DATE	M	DT	06/06	YYMMDD.
ISA10	I09	TRANSMISSION TIME	M	TM	04/04	HHMM.
ISA11	I10	INTERCHANGE CONTROL ID	M	ID	01/01	"U".
ISA12	I11	INTERCHANGE VERSION NUMBER	M	ID	05/05	"00400".
ISA13	I12	INTERCHANGE CONTROL NUMBER	M	N0	09/09	9 DIGIT CONTROL NUMBER.
ISA14	I13	ACKNOWLEDGEMENT REQUEST FLAG	M	ID	01/01	"0".
ISA15	I14	TEST INDICATOR	M	ID	01/01	"T" = TEST. "P" = PRODUCTION.
ISA16	I15	SUBELEMENT SEPARATOR	M	AN	01/01	HEX VALUE = 6A (¦).

GS SEGMENT — FUNCTIONAL GROUP HEADER   OCCURS 1 TIME
(X12 MANDATORY ENVELOPE)

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
GS01	479	FUNCTIONAL ID	M	ID	02/02	"PO" FOR ANSI PURCHASE ORDER.
GS02	142	GROUP/APPLICATION SENDER ID	M	ID	02/15	ACE AS SENDER: ACE EDI ID = "006928311".
GS03	124	GROUP/APPLICATION RECEIVER ID	M	ID	02/15	YOUR EDI ID (USUALLY YOUR DUNS #).
GS04	29	APPLICATION GROUP DATE	M	DT	08/08	CCYYMMDD.
GS05	30	APPLICATION GROUP TIME	M	TM	04/08	HHMM OR HHMMSS OR HHMMSSDD.
GS06	28	APPLICATION GROUP CONTROL NUMB	M	N0	01/09	STANDARD FOLLOWED.
GS07	455	RESPONSIBLE AGENCY CODE	M	ID	01/02	"X" FOR ANSI X12.
GS08	480	VERSION/RELEASE INDUSTRY CODE	M	ID	01/12	"004010".

ST SEGMENT — TRANSACTION SET HEADER   OCCURS 1 TIME
(X12 MANDATORY ENVELOPE)

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
ST01	143	TRANSACTION SET ID	M	ID	03/03	"850" FOR X12 PURCHASE ORDER.
ST02	329	TRANSACTION SET CONTROL NO.	M	AN	04/09	STANDARD FOLLOWED.

BEG SEGMENT

BEGINNING SEGMENT FOR PURCHASE ORDER — OCCURS 1 TIME

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
BEG01	353	TRANSACTION SET PURPOSE	M	ID	02/02	"00" = ORIGINAL.
BEG02	92	PURCHASE ORDER TYPE	M	ID	02/02	"CF" = CONFIRMATION. "NE" = NEW ORDER.
BEG03	324	PURCHASE ORDER NUMBER	M	AN	01/22	ACE HARDWARE PO #.
BEG04	328	RELEASE NUMBER	O	AN	01/30	ACE HARDWARE VENDOR NUMBER.
BEG05	373	PURCHASE ORDER DATE	M	DT	08/08	YYYYMMDD.

REF SEGMENT

(CONTAINS NOTES AND SPECIAL INSTRUCTIONS) — MULTIPLE OCCURRENCE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
REF01	128	REFERENCE IDENTIFICATION QUALIFIER	M	ID	02/03	"ZZ" = MUTUALLY DEFINED.
*REF03	352	DESCRIPTION	X	AN	01/80	SAMPLE CONTENTS OF REF03(S): (1) CONTACT NAME: NAME TEXT. CASH TERMS: CASH TERMS TEXT. (2) FREIGHT TERMS: FREIGHT TERMS TEXT. DATING: DATING TEXT. (3) ROUTING: VENDOR ROUTING LINE 1 . (4) ROUTING: VENDOR ROUTING LINE 2. (5) COMMENT LINE 1. (6) COMMENT LINE 2. (7) COMMENT LINE 3. (8) COMMENT LINE 4. (9) COMMENT LINE 5. (10) COMMENT LINE 6.

*NOTE: THE REF ELEMENTS MAY CONTAIN ASTERISKS AS PART OF THE TEXT.

ITD SEGMENT — TERMS OF SALE/ DEFERRED TERMS OF SALE — MULTIPLE OCCURRENCE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
ITD01	336	TERMS TYPE CODE	O	ID	02/02	"03" = FIXED DATE (TERMS). "06" = MIXED (INCLUDES LINE-LEVEL DATING). "07" = EXTENDED (DATING).
ITD02	333	TERMS BASIS DATE CODE	O	ID	01/02	"3" = INVOICE DATE.
ITD03	338	TERMS DISCOUNT %	O	R	01/06	DISCOUNT EXPRESSED AS AN EXPLICIT DECIMAL WHERE: .05=1/2%, 1.5=1 1/2%, 2=2%.
ITD05	351	TERMS DISC. DAYS DUE	X	N0	01/03	NUMBER OF DAYS IN DISCOUNT PERIOD, FROM BASIS DATE, WHEN DISCOUNT MAY BE TAKEN.
ITD06	446	TERMS NET DUE DATE	O	DT	08/08	FINAL DUE DATE OF INVOICE. YYYYMMDD.
ITD07	386	TERMS NET DAYS	O	N0	01/03	NUMBER OF DAYS IN TERMS PERIOD FROM BASIS DATE, AT THE END OF WHICH INVOICE MUST BE PAID.
ITD12	352	DESCRIPTION	O	AN	01/80	TEXT DESCRIPTION OF TERMS.
ITD13	765	DAY OF MONTH	X	N0	01/02	DAY OF MONTH ON WHICH INVOICE WILL BE PAID.

DTM SEGMENT — DATE/TIME REFFERENCE — MULTIPLE OCCURRENCE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
DTM01	374	DATE/TIME QUALIFIER	M	ID	03/03	"010" = REQUESTED SHIP.
DTM02	373	DATE	X	DT	08/08	YYYYMMDD. (IF IMMEDIATE SHIPMENT THE SHIPDATE WILL BE THE SAME AS THE PO DATE).

N1 SEGMENT — NAME   N1 LOOP (LOOP CAN REPEAT)

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
N101	98	ENTITY ID CODE	M	ID	02/03	"BT" = BILL TO. "ST" = SHIP TO.
N102	93	NAME	X	AN	01/60	IF N101 = BT: "ACE HARDWARE CORP ". IF N101 = ST: "DEPT CODE ACE HDW".
N103	66	ID CODE QUALIFIER	X	ID	01/02	IF N101 = BT "1" WILL BE USED FOR DUNS #. IF N101 = ST "9" WILL BE USED FOR DUNS + 4 DIGIT RSC CODE.

N104	67	ID CODE	X	ID	02/80	IF N101 = BT "006928311" WILL BE USED.
						IF N101 = ST, THE LOCATION ID OF THE
						   RSC (RETAIL SUPPORT CTR) WILL BE
						   USED. THIS LOCATION ID CAN BE
						   REFFERENCED ON PAGE 3-2 OF THIS
						   GUIDE. LOCATION ID = ACE DUNS # +
						   THE 4 DIGIT RSC CODE.

N3 SEGMENT — ADDRESS INFORMATION   MULTIPLE OCCURRANCE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
N301	166	ADDRESS	M	AN	01/55	IF "BT" ACE CORPORATE ADDRESS. IF "ST" ACE WAREHOUSE ADDRESS.

N4 SEGMENT — GEOGRAPHIC LOCATION — OCCURS 1 TIME PER N1 LOOP

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
N401	19	CITY NAME	O	AN	02/30	IF "BT" THEN "OAK BROOK" WILL BE USED. IF "ST" CITY OF WAREHOUSE WILL BE USED.
N402	156	STATE/PROV. CODE	O	ID	02/02	IF "BT" THEN "IL" WILL BE USED. IF "ST" STATE OF WHSE WILL BE USED.
N403	116	POSTAL CODE	O	ID	03/15	IF "BT" THEN "605219989" WILL BE USED. IF "ST" THEN ZIP CODE OF WAREHOUSE.

PO1 SEGMENT — PURCHASE ORDER BASELINE ITEM DATA — PO1 LOOP (LOOP CAN REPEAT)

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
PO101	350	ASSIGNED IDENTIFIER	O	AN	01/20	PURCHASE ORDER LINE #.
PO102	330	QUANTITY ORDERED	X	R	01/15	STANDARD FOLLOWED.
PO103	355	UNIT OF MEASURE CODE	O	ID	02/02	STANDARD FOLLOWED.
PO104	212	UNIT PRICE	X	R	01/17	STANDARD FOLLOWED.
PO105	639	BASIS UNIT PRICE CODE	O	ID	02/02	"PE" = PRICE PER EACH. "PR" = PROMOTIONAL PRICE.
PO106	235	PRODUCT/SERVICE ID QUALIFIER	X	ID	02/02	"PI" = PURCHASERS ITEM CODE.
PO107	234	PRODUCT/SERVICE ID	X	AN	01/48	ACE HARDWARE STOCK # OR BULLETIN #.
PO108	235	PRODUCT/SERVICE ID QUALIFIER	X	ID	02/02	"VN" = VENDORS ITEM #.
PO109	234	PRODUCT /SERVICE ID	X	AN	01/48	MANUFACTURERS PART #.
PO110	235	PRODUCT/SERVICE ID QUALIFIER	X	ID	02/02	"UK".
PO111	234	PRODUCT/SERVICE ID	X	AN	01/48	UPC OR EAN #.

*NOTE: THE "UP" PRODUCT/SERVICE ID QUALIFIER IS CHANGED TO "UK" TO FACILITATE GLOBAL COMMERCE. THE 12-DIGIT UPC IS EXPANDING TO 14 DIGITS.

PID SEGMENT — PRODUCT/ITEM DESCRIPTION — MULTIPLE OCCURRANCE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
PID01	349	ITEM DESCRIPTION TYPE	M	ID	01/01	"F".
PID05	352	DESCRIPTION	X	AN	01/80	PRODUCT DESCRIPTION &/OR PO LINE ITEM COMMENT TEXT.

ITD SEGMENT — TERMS OF SALE/ DEFERRED TERMS OF SALE — MULTIPLE OCCURRANCE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
ITD01	336	TERMS TYPE CODE	O	ID	02/02	"07"-EXTENDED (dating).
ITD02	333	TERMS BASIS DATE CODE	O	ID	01/02	"3"-INVOICE DATE.
ITD06	446	TERMS NET DUE DATE	O	DT	08/08	FINAL DUE DATE OF INVOICE, YYYYMMDD.

CTT SEGMENT — TRANSACTION TOTALS — X12 REQUIRED SEGMENT OCCURS 1 TIME

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
CTT01	354	NUMBER OF LINE ITEMS	M	N0	01/06	TOTAL NUMBER OF PO LINES.
CTT03	81	WEIGHT	X	R	01/10	TOTAL WEIGHT OF PURCHASE ORDER.
CTT04	355	UNIT OF MEASURE CODE	X	ID	02/02	"LB" - POUNDS.
CTT07	352	DESCRIPTION	O	AN	01/80	TOTAL DOLLAR AMOUNT OF PURCHASE ORDER.

SE SEGMENT — TRANSACTION SET TRAILER — OCCURS 1 TIME
(X12 MANDATORY ENVELOPE)

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
SE01	96	NUMBER OF INCLUDED SEGMENTS	M	N0	01/06	STANDARD FOLLOWED.
SE02	329	TRANSACTION SET CONTROL NUMBER	M	AN	04/09	STANDARD FOLLOWED.

GE SEGMENT — FUNCTIONAL GROUP TRAILER — OCCURS 1 TIME
(X12 MANDATORY ENVELOPE)

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENT
GE01	97	NUMBER OF INCLUDED TRANSACTN SET	M	N0	01/06	STANDARD FOLLOWED.
GE02	28	GROUP CONTROL NUMBER	M	N0	01/09	STANDARD FOLLOWED.

IEA SEGMENT — INTERCHANGE CONTROL TRAILER — OCCURS 1 TIME
(X12 MANDATORY ENVELOPE)

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	DATA TYPE	ELEMENT LENGTH	ACE SUPPLIED FIELD CONTENTS
IEA01	I16	NUMBER OF INCLUDED GROUPS	M	N0	01/05	STANDARD FOLLOWED.
IEA02	I12	INTERCHANGE CONTROL NUMBER	M	N0	09/09	STANDARD FOLLOWED.