

APPENDIX C-160

DEFINITION OF VARIABLES FOR FRONT-END PROGRAM OF SIMULATION

<u>VARIABLES</u>	<u>DEFINITION</u>
A	Trailer record of returns.
ADV	Average value demand (units x UP).
AERQ	Additional retention quantity.
AII	Age of item indicator.
ALPHX	Alpha.
ALT	Administrative leadtime.
AMAD	Mean Absolute Division forecast quarterly errors.
ANORQT	Norfolk fill quantity.
AOAKQT	Oakland fill quantity.
APNRD	Applicable nonrecurring demand.
AQD	Average quarterly demand.
AQDN	Average quarterly demand, new item.
A1	Array to read item date (see equivalence).
A2	Array to read item date (see equivalence).
A3	Array to read item date (see equivalence).
B	Trailer record of procurement due-in.
BARDM	Computation used in sample analysis.
BARDMZ	Computation used in sample analysis.
BARRQ	Computation used in sample analysis.
BARRQ2	Computation used in sample analysis.
BIGSMD	Computation used in sample analysis.
BIGSMR	Computation used in sample analysis.
BLOCK	Common blocks.
BUYMIN	Minimum dollar buy.
C	Trailer record of B/O.
CCC	Catalog change code.
CLVL1	Control level IPG I.
CLVL2	Control level IPG II.
CODES	Peculiar management codes.
CONF	Confidence levels.
CTR	Tracking signal correction counter.
C1	Array to write out tape data.
C2	Array to write out tape data.
C3	Array to write out tape data.
D	Trailer record indicates last record of item.
DATDU	Direct delivery date due-in.
DAYSBO	Days backordered.
DAYSDD	Days on direct delivery.
DBQ	Depot backorder quantity (total units).
DCAT	ADV category.
DELDD	Option 9.
DELFSC	Option 12.
DELNSN	Option 13.
DEFNSO	Option 11.
DELSHF	Option 10.

<u>VARIABLES</u>	<u>DEFINITION</u>
DELWEP	Option 1.
DELXS	Option 8.
DEMMNR	Units demanded per month (nonrecurring).
DEMNR	Units demanded per month (recurring).
DETFSC	Number FSC groups deleted.
DNIIN	Deletion of NIIN.
DFREQ	Deletion of frequency.
DFSC	Deletion of FSC.
DFSG	Deletion of FSG.
DIC	Document Identifier Code.
DISTSW	Switch to allow read in of item distributions.
DMA	Date management assumed.
DNR	Quarterly demand (nonrecurring).
DR	Quarterly demand (recurring).
DSUM	Dummy computation.
DSUM2	Computation used in sample analysis.
DUE	Procurement array (I,J) I = INDEX; J=1 = Qty, 2 = due date, 3 = obligation date.
DUIN	Report accumulator (days late, ADV category).
DV	Table of ADV.
DVC	Demand value code.
E	Essentiality.
ERROR	Forecast error.
FBC	Forecast basis code.
FCAT	Frequency category.
FIX	Fixed SL months.
FNR	Quarterly frequency (nonrecurring).
FR	Quarterly frequency (recurring).
FRECNT	Frequency count.
FREMNR	Monthly frequency (nonrecurring).
FREMR	Monthly frequency (recurring).
FREQ	Total annual frequency.
FSC	Federal Supply Class.
FSG	Federal Supply Group.
FSSC	Future SSC.
I	Loop index.
ICAT	ADV category for subscripts.
IDAZ	Function to compute number days until due.
IFSC	Option to delete FSC.
II	Counter for number FSCs to be deleted.
INDAY	Subscript for category of days until due.
INT	Function integer.
IOPT	Option number.
IS	Random number seed.
IVALUE	Value of options.
J	Index.
JNIIN	NIIN on special distribution tape.
JFSC	FSC on special distribution tape.
JFSG	FSG on special distribution tape.

<u>VARIABLES</u>	<u>DEFINITION</u>
K	Index.
K1	Index.
KJ	Index.
KK	Index.
L	Index.
LCOL	Column indicator.
LCOUNT	Number of items by ADV.
LDAY	Days late.
LDAZ	Function days late.
LD1	Counter for number due-in of item.
LD3	Counter for number returns of item.
LROW	Row indicator.
M	Index.
MAXCHK	Maximum number of B/O all items.
MAXDDS	Maximum number of direct delivery all items.
MAXNBO	Total number of B/O each item.
MAXNDD	Total number of direct delivery each item.
MCOUNT	Number of items by ADV.
MLD1	Maximum number dues-in.
MLD3	Maximum number returns.
MONEY1	Dollar value arrays of report variables.
MONEY2	Dollar value arrays of report variables.
MONEY3	Dollar value arrays of report variables.
MONEY4	Dollar value arrays of report variables.
MONEY5	Dollar value arrays of report variables.
MRQ	Maximum Release Quantity.
M1	Array to read, returns, procurements, and backorders.
N	Index.
NATO	NATO number.
NBOF1B	Number B/O PRI I stocked items.
NBOF1V	Number B/O PRI I direct delivery.
NBOF2B	Number B/O PRI II stocked items.
NBOF2V	Number B/O PRI II direct delivery.
NBOF3B	Number B/O PRI III stocked items.
NCODE	Type of B/O.
NCAT	ADV category.
NDATE	Date due.
NOPT1	Number Option 1.
NOPT10	Number Option 10.
NOPT11	Number Option 11.
NOPT12	Number Option 12.
NOPT13	Number Option 13.
NOPT14	Number Option 14.
NOPT2	Number Option 2. Used in report #1.
NOPT3	Number Option 3.
NOPT4	Number Option 4.
NOPT5	Number Option 5.
NOPT6	Number Option 6.
NOPT7	Number Option 7.
NOPT8	Number Option 8.
NOPT9	Number Option 9.

<u>VARIABLES</u>	<u>DEFINITION</u>
NQTY	Quantity of return, B/O, procurement.
NSG	Numeric Stock Group.
NSCDLT	FSC deletion.
NSGDLT	FSG deletion.
NSHELF	Shelf-life.
NSNDLT	NSN deletion.
NSO	Numeric Stockage Objective item.
OBLD1	Direct delivery PRI I array, quantity, date of obligation, date due, date established.
OBLD2	Direct delivery PRI II array, quantity, date of obligation, date due, date established.
OL	Operating level in months.
OLDIN	Oldest date of a procurment due-in - Option 6.
OLDOUT	Oldest date of a procurement due-out - Option 5.
OLDRET	Oldest date of a return due-in - Option 7.
OP	Option values.
OTI	Out of track indicator.
OWRMR	Other War Reserve Materiel Requirement.
OWRMRP	Other War Reserve Materiel Requirement Protectable.
PCP	Procurement Cycle Period.
PIC	Procurement cycle indicator.
PIGII	Percent PRI GR I on tape.
PIG2I	Percent PRI GR II on tape.
PIPG1	Percent PRI GP I on card.
PIPG2	Percent PRI GP II on card.
PLT	PLT.
POPNR	Computation used in sample analysis.
POP2	Computation used in sample analysis.
PREC	Precision.
PRECD	Precision for ADV.
PRECF	Precision for frequency.
PROC	Procurement array counter for report.
QFR	Quarterly forecast of returns.
QTD	Intermediate value used in sample analysis.
QTF	Intermediate value used in sample analysis.
QUNO1B	Backorder array PRI I quantity, date established.
QUNO2B	Backorder array PRI II quantity, date established.
QUNO3B	Backorder array PRI III quantity, date established.
REP	Report #1 array.
RET	Quantity, date, and type of return.
RETDUE	Returns array.
RETFAC	Returns frequency adjustment, factors UP.
RETFRQ	Returns frequency.
RETIN	Array for report on days returns are due.
RETLIM	Retention limit.
RETN	Array for report on days returns are late due-in.
RETQTY	Annual return quantity.
ROBJ	Requirements Objective.
RR	Random number.

<u>VARIABLES</u>	<u>DEFINITION</u>
SAMP	Sample subroutine argument.
SAMPL7	Sample subroutine argument.
SHELIF	Shelf-life subroutine.
SIGMD	Used in sample computation.
SIGMR	Used in sample computation.
SIGXX	Used in sample computation.
SIGYY	Used in sample computation.
SMRQ	Sum of number of requisitions.
SOH	Stock on hand.
SORT	Sort subroutine.
SSC	Supply Status Code.
S1	S1.
S2	S2.
SUMD	Computation used in sample analysis.
SUMRQ	Computation used in sample analysis.
SUMX	Computation used in sample analysis.
SUMX2	Computation used in sample analysis.
SUMY	Computation used in sample analysis.
SUMY2	Computation used in sample analysis.
SVARX	Computation used in sample analysis.
SVARY	Computation used in sample analysis.
TITLE	Titles on report #3.
TOPX	Computation used in sample analysis.
TOPY	Computation used in sample analysis.
TVIP	Total VIP items Option 3.
TVIP3	Total Option 3.
TVIP4	Total Option 4.
TYPE	Type record, Returns = A, Proc = B, B/O = C, D = End of Trailers.
UPI	Unit Price.
VARREQ	Computation used in sample analysis.
VARSD	Computation used in sample analysis.
VARX	Computation used in sample analysis.
VARXX	Computation used in sample analysis.
VARY	Computation used in sample analysis.
VARYY	Computation used in sample analysis.
VDEM	Value of demand.
VIP	Vendor Information Package.
VIPADV	Value of demand above which make VIP.
VIPFRQ	Frequency of demand above which make VIP.
VSL	Variable Safety Level.
WS1	Weapons system.
XBAR	Computation used in sample analysis.
XBAR2	Computation used in sample analysis.
XNUM	Computation used in sample analysis.
YBAR	Computation used in sample analysis.
YBAR2	Computation used in sample analysis.
YNUM	Computation used in sample analysis.
Z	Normal variate.
ZTH	Routing indicator.