

ALLOY BLENDING SYSTEM

(ABS)

PROGRAM AND FILE LISTING

WABSFILES.PDF

Prepared by:



Keystone Systems, Inc.
584 Dinnerbell Rd.
Butler, PA, USA 16002-7724

Phone: 724-352-9200 • Fax: 781-394-1096
E-mail: ksi584@aol.com
Website: www.keystone-systems.com

August 10, 2004

Table of Contents

ABS EXECUTABLE PROGRAMS 3

ABS DATA FILES 10

DATA FILES IN \ABS\DATA (ALL ABS USERS) 10

DATA FILES IN \ABS\GLOG (ALL ABS USERS)..... 12

DATA FILES IN \ABS\MLOG (ALL ABS USERS) 12

DATA FILES IN \ABS\LOGS (MARS SYSTEM USERS ONLY) 14

CUSTOM.KSI DATA FILE 15

NODILUTE.KSI DATA FILE..... 16

NONMETAL.KSI DATA FILE..... 17

REQUIRED.KSI DATA FILE 18

ABS EXECUTABLE PROGRAMS

(Windows Version - located in \TASK)

Following is a listing of the programs used by the Windows version of the Alloy Blending System (ABS) and a general description of each. Programs highlighted in **red** are main driver programs. When setting up Windows shortcuts, these are the programs to specify in the "Command Line" or "Target" field when you desire to run a single program separately, bypassing the ABS main menu.

For example, to set up a shortcut to run Inventory Control, enter "**WINV.EXE**" in the "**Command Line**" or "**Target**" field.

NOTE: Programs with an asterisk (*) beside the program extension support command line options. Enter **-H** after the program name to obtain a list of options available (i.e., **MATLST -H**). A complete list of each program with its respective command line option(s) is contained in the ASCII file PROGRAM.HLP in \ABS\HELP, and is also shown later in this document.

NAME	GENERAL DESCRIPTION
WABS .EXE*	ABS MAIN MENU DRIVER PROGRAM.
ABS .ICO	ABS ICON.
WABSINI .EXE	KSI UTILITY PROGRAM - G (VIEW/SET ABS.INI VALUES).
ABSNPAD .EXE*	ABS WINDOWS VERSION OF DOS TYPE COMMAND (-FFILENAME).
ABSWPRT .EXE*	ABS WINDOWS VERSION OF PRINT COMMAND (-FFILENAME -C -P).
CANCEL .EXE*	CANCEL HEATS PROGRAM (EXTRA COST PROGRAM).
WCHRIS .EXE	CHRIS - CHEMISTRY ROUTER PROGRAM.
WCSMIX .EXE*	CONTROL CHARGE PROGRAM (DIRECTORY SPECIAL OPTION #53) (EXTRA COST PROGRAM).
WDFP .EXE	DYNAMIC FORMULA PROCESSOR - MAIN MENU CHOICE "R".
WDIRECT .EXE	DIRECTORY EDITOR - MAIN MENU CHOICE "A".
F90SQLLF90.DLL	DYNAMIC LINK LIBRARY REQUIRED FOR CUSTOM CHARGE SHEETS, ETC. CREATED BY KEYSTONE THAT WRITE TO ODBC-COMPLIANT PRODUCTS (EXCEL, ACCESS, ETC.).
FCE .EXE	VIEW RELEASED CHEMISTRIES - UTILITIES MENU CHOICE "K".
WFG .EXE	FINISHED GOODS PROGRAM (EXTRA COST PROGRAM).
WGRADED .EXE*	GRADE EDITOR DRIVER - MAIN MENU CHOICE "B".
WINV .EXE	INVENTORY CONTROL DRIVER - MAIN MENU CHOICE "I".
WINVCHG .EXE	INV - CHANGE HEAT NUMBER PROGRAM.
WINVEXP .EXE*	INV - EXPORT PROGRAM (EXTRA COST PROGRAM).
WINVR .EXE*	INV - RECEIPTS DRIVER PROGRAM.
WINVREP .EXE	INVENTORY REPORTS DRIVER - MAIN MENU CHOICE "J".
WINVU .EXE	INV - USAGE PROGRAM.
WKSIPRT .EXE	REPRINT PROGRAM - MAIN MENU CHOICE "H".
WKSIUTL .EXE*	KSI UTILITIES PROGRAM - MAIN MENU CHOICE "U".
WMANMIX .EXE	MANUAL MIX DRIVER PROGRAM - MAIN MENU CHOICE "F".

ABS EXECUTABLE PROGRAMS (cont'd)

(Windows Version - located in \TASK)

NAME		GENERAL DESCRIPTION
WMARS	.EXE	MGMT. REPORTING SYSTEM - MAIN MENU CHOICE "M".
WMARSPC	.EXE*	MARS REBUILD, EXPORT, IMPORT, STATUS, AND QC FUNCTIONS.
WMAR nnn	.EXE	MARS PROGRAM WHEN CUSTOM "ENTER" PROGRAM IS USED. nnn = ABS LICENSE NUMBER.
WMATED	.EXE*	MATERIAL EDITOR DRIVER PROGRAM - MAIN MENU CHOICE "C".
WMATCHG	.EXE*	MATED - CHANGE PROGRAM.
MATEXP	.EXE*	MATED - EXPORT PROGRAM.
MATIMP	.EXE*	MATED - IMPORT PROGRAM.
WME	.EXE	MATERIAL EXCHANGE SYSTEM - MAIN MENU CHOICE "X" (EXTRA COST PROGRAM).
MFP	.EXE	MATERIAL FORECASTING PROGRAM - MAIN MENU CHOICE "N".
WMIX	.EXE*	CHARGE DESIGN PROGRAM - BATCH VERSION - MAIN MENU CHOICE "D".
MHMIX	.EXE*	CHARGE DESIGN PROGRAM - MELTER/HOLDER VERSION.
WMIXCPY	.EXE*	MIX - PRINT CHARGE COPY PROGRAM.
WMIXCP3	.EXE	MIX - PRINT CHARGE COPY WITH OPTION FOR LARGE LETTERS.
WMTD	.EXE	MONTH-TO-DATE/YEAR-TO-DATE - MAIN MENU CHOICE "K".
OTSW32	.DLL	DYNAMIC LINK LIBRARY REQUIRED BY THE WINDOWS VERSION.
PURE	.EXE	PURCHASE EVALUATION PROGRAM - MAIN MENU "O".
RECAST	.EXE	MATERIAL RECAST PROGRAM (EXTRA COST PROGRAM).
WROUTER	.EXE	CHEMISTRY ROUTER AND EDITOR PROGRAM (EXTRA COST PROGRAM).
WSCS	.EXE*	SCRAP CONTROL PROGRAM - MAIN MENU CHOICE "P".
WINVR	.EXE -S	SCS - ADD SCRAP RECEIPTS.
WMATCHG	.EXE -S	SCS - CHANGE SCRAP MATERIALS.
WSRPDEL	.EXE*	SCS - DELETE/VIEW SCRAP CHEMISTRIES.
WSPECTRO	.EXE*	SPECTROMETER SIMULATOR PROGRAM - MAIN MENU CHOICE "G".
WTAP	.EXE	ALLOY ADDITIONS PROGRAM - MAIN MENU CHOICE "E".
WTAPCPY	.EXE*	TAP - PRINT ADDITIONS COPY.
WTAPCP3	.EXE	TAP - PRINT ADDITIONS COPY WITH OPTION FOR LARGE LETTERS.
WTEDIT	.EXE	CODE/TABLE EDITOR - MAIN MENU CHOICE "L".
UNZIP	.EXE	PKUNZIP Program (shareware version).
ZIP	.EXE	PKZIP Program (shareware version).

ABS EXECUTABLE PROGRAMS (cont'd)

COMMAND LINE OPTIONS

ABS Windows Notepad Program: **ABSNPAD [-options]** where:

-f{drive:path:filename} File name to display - 35 character maximum drive:path:filename.

ABS Windows Print Program: **ABSWPRT [-options]** where:

- l** Print landscape (default is portrait).
 - c** Copies (default is one).
 - w** Width (default 80 - Portrait, 0 - Landscape) (i.e.,: -w140 sets width to 140 columns).
 - r** Rows (default 60 - Portrait, 45 - Landscape) (i.e.,: -r50 sets max lines per page to 50).
 - f**{drive:path:filename} File name to print - 35 character maximum drive:path:filename.
-

ABS Barcode Import Program: **BARIMP [-options]** where:

- d** Delete import when finished.
 - h** Display help message.
 - n** Do not post transactions to any of the ABS files (MTD, Receipts, Usage, or Adjustments).
 - t** Trace feature. If trace is on, -n is assumed, and no logging is done, but the data files are updated.
 - r** Refresh mode.
-

Heat/Charge Cancel Program: **CANCEL [-options]** where:

- m** Make a list of reserved hhhhhh's in the file "Cancel.tmp"
- c** Cancel the hhhhhh's in file "Cancel.lst"
- rnnnnnnnnnn** Make a list of the reserved materials in heat/charge number passed.
File name with the list is "RESERVE.LST".

NOTE: If no command line is provided, program will display this message and exit.

Windows ABS Menu Program: **WABS [-options]** where:

- w** Display traditional Windows style menu.
 - nc** Don't clear the screen between program calls.
-

Chemistry Router: **WCHRIS [-options]** where:

- f**{drive:path:filename.ext} Name and location of alternate CHRIS.CFG file. Default configuration file is local CHRIS.CFG file. Maximum length of name and location of alternate configuration file is 30 characters.
- c** Activate Chris configuration editors.

Spectrometer Simulator Program: **WSPECTRO [-options]** where:

- r** Route chemistry in BURN.KSI file and exit.

ABS EXECUTABLE PROGRAMS (cont'd)

COMMAND LINE OPTIONS

Grade Editor Program: **WGRADED [-options]** where:

- fa Activate Add function
 - fc Activate Change function
 - fd Activate Delete function
 - fh Activate History function
 - fm Activate Make/Copy function
 - fu Activate Utilities function
 - fv Activate View/List function
-

Inventory Receipts Function: **WINVR [-options]** where:

- s Scrap Receipts.

Inventory Export Function: **WINVEXP [-options]** where:

- xr Export Receipts.
- xu Export Usage.
- f{drive:path:filename.ext} Export file name. The maximum length of {drive:path:filename.ext} is 31 characters. Filename must conform to the DOS standard; long file names are not supported. No path name or filename may be longer than 8 characters, or an Error 65 will occur.

NOTE: File option is required if -x? is used.

KSI Utilities: Main Program: **WKSUUTL [-options]** where:

- Px Where x equals program desired. Valid programs are: **a, b, c, d, e, h, l** and **v**, defined as:

a =QC Material Files	d =Fix Material Pointer Files	h =Retrieve from Expired
b =QC Grade Files	e =Fix Reserve Quantities	l =Lot Search
c =QC Material Pointer Files	f =Undelete Material Record	v =Edit User Variables

For example: **-pb** requests Program B (QC Grade Files) be activated.

- b Batch mode - implies to run unattended.
- h Help (displays command line options available). Requires a **-p?** option as well.
For example: **-hb** requests the command line options for Program B (QC Grade Files) be displayed.

A - QC Material Files: Qcmat [-options] where:

- b Run in Batch mode, don't pause after each file is quality checked.
- c? qc which file? Valid replies are: **c**-chemistry, **m**-aterial, **s**-crap, **p**-urchase, **a**-verage, **v**-scrap average, **q**-all files.

B - QC Grade/Alloy Files: Qcgrd [-options] where:

- t Trace - display grade/alloy pointer and grade/alloy file key information during QC check.
- f Set all pointer grade/alloy names to blank.
- l Assign new license numbers to all grades/alloys.
- s? Load company specs with ?(cif) aims where **c**=charge, **i**=intermediate, and **f**=final (i.e. **-sf** will load final aims to company specs).

ABS EXECUTABLE PROGRAMS (cont'd)

COMMAND LINE OPTIONS

KSI Utilities: Main Program: [WKSUUTL \[-options\]](#) (cont'd):

C - QC Pointer: [Qcptr \[-options\]](#) and D - Fix Pointer: [Fixptr \[-options\]](#) where:

- b Run in Batch mode, don't pause after each file is quality checked.
- c? Fix which file? Valid replies are: **c**-chemistry, **m**-aterial, **s**-crap, **p**-urchase, **a**-verage, **e**-xpired, **v**-scrap average, **d**-ummy, **q**-all files.

E - Fix Reserve Quantities: [Fixres \[-options\]](#) where:

- b Run in batch mode, no user interaction is required.

K - Released Chemistry Program: [FCE \[-options\]](#) where:

- wtt Look for changes in CHEMALL.KSI file every **tt** seconds, and refresh the screen.

Material Editor Program: [WMATED \[-options\]](#) where:

- fc Activate Change function.
- fd Activate Delete function.
- fm Activate Make/Copy function.
- fs Activate Search function.
- fv Activate View/List function.
- fu Activate Utilities function.
- fz Activate Zero function.

Material Editor Change Function: [WMATCHG \[-options\]](#) where:

- m Change Material file (default).
- s Change Scrap file.

Material Editor Export Function: [MATEXP \[-options\]](#) where:

- h Display help message.
- b Operate in batch mode, no user interaction is required (-m? and -f? are required).
- sc Style - **c**=comma separated or **f**=fixed format (default is fixed format).
- mf Mode full export (1-9 type records).
- mp Mode partial export (only type 10 records).
- fm Export material file to MATEXP.EXP.
- fa Export average file to AVGEXP.EXP.
- fc Export chemistry file to CHMEXP.EXP.
- fs Export Scrap file to SCREXP.EXP.
- n8 Don't export "08" records (special).

ABS EXECUTABLE PROGRAMS (cont'd)

COMMAND LINE OPTIONS

Material Editor Import Function: **MATIMP [-options]** where:

- a Search for average record with same name, and if found, pull the average record's chemistry information, but keep all other import data.
 - b Operate in batch mode, no user interaction is required (-f is assumed).
 - c Import (CHEMEXP.EXP) to chemistry file.
 - d Delete import when finished.
 - b Batch mode (is automatically assumed).
 - f Full import (1-9 type records).
 - h Display help message.
 - m Import (MATEXP.EXP) to material file.
 - n Do not log imports in Adjustments file or Month-To-Date file.
 - nl Do not assign a license plate to new imports.
 - p Partial import (only type 10 & 11 records).
 - qm Import PUREXP.EXP to Pure/Mfp Market file.
 - qp Import PUREXP.EXP to Pure/Mfp Quoted file.
 - r Report bypass (no error or import report).
 - s Import (SCREXP.EXP) to Scrap file.
-

Management Reporting Program: **WMARSPC [-options]** where:

- b MARS Rebuild function.
 - e MARS Export function.
 - i MARS Import function.
 - s MARS Status function.
 - q MARS Q.C. function.
-

Least Cost Charge Program (Batch Version): **WMIX [-options]** where:

- f[file.txt] Get furnace, heat number, number of heats, and grade code from file. See the ABS Systems Administrators Guide - Appendix Section - "Mix Command File Specs" for the complete details.

Least Cost Charge Program (Melter/Holder Version): **WMHMIX [-options]** where:

- a Regular Melter Charge.
- b Regular Holder Charge, without Class Control, uses Intermediate Materials & Charge Aims.
- c Melter/Holder Backcharge.
- mc Holder Charge with Class Code Control, uses Charge materials.
- mt Holder Charge without Class Control, uses Intermediate Materials & Intermediate Aims.
- f[file.txt] Get furnace, heat number, number of heats, and grade code from file. See ABS Systems Administrators Guide - Appendix Section - "Mix Command File Specs" for the complete details.

Least Cost Charge Copy Program: **WMIXCPY [-options]** where:

- d Use defaults (print 1 copy of heat/charge report to printer).
- r Don't print required materials if weight required is less than -wnnn.
- wnnn Skip if "REQUIRED" material & weight required is less than (nnn). Valid values for nnn are 001-999.

ABS EXECUTABLE PROGRAMS (cont'd)

COMMAND LINE OPTIONS

Least Cost Additions Program: WTAP [-options] where:

- i Set default aims to Intermediate.
 - f[file.txt] Get furnace, heat number, number of heats, and grade code from file. See ABS Systems Administrators Guide - Appendix Section - "Tap Command File Specs" for complete file layout.
-

Least Cost Additions Copy Program: WTAPCPY [-options] where:

- d Use defaults (print 1 copy of additions report to printer).
 - r Don't print required materials if weight required is less than -wnnn.
 - wnnn Skip if "REQUIRED" material and weight required is less than (nnn). Valid values for nnn are 001-999
-

Scrap Control System: WSCS [-options]

- c Go to Scrap Chemistry Functions.
- r Go to Scrap Receipts Functions.

Scrap Control Delete Function: WSRPDEL [-options] where:

- If command line is blank, go to Delete Scrap Chemistry Function of Scrap Control or;
- v go to View Scrap Chemistry

ABS DATA FILES

(DOS and Windows Versions)

Following is a listing of all data files used by the Alloy Blending System (ABS) and the folder they're located in. An asterisk (*) beside a file name indicates that it is required to run ABS.

DATA FILES IN \ABS\DATA (ALL ABS USERS)

<u>NAME</u>	<u>GENERAL DESCRIPTION</u>
ABS .KSI*	ABS PARAMETER FILE.
ABSCOMn .KSI*	ABS COMMON VARIABLES FILE CREATED BY ABS UTILITIES PROGRAM V (n=LANGUAGE CODE, AS DEFINED IN THE \ABS\HELP SECTION).
DIRECT .KSI*	MASTER DIRECTORY FILE.
DUMMY .KSI*	DUMMY MATERIAL DATA FILE
DUMPTR .KSI*	DUMMY MATERIAL POINTER FILE.
GRDDAT .KSI*	GRADE/ALLOY DATA FILE.
GRDPTR .KSI*	GRADE/ALLOY POINTER FILE.
MATED .KSI*	MATERIAL DATA FILE.
MATPTR .KSI*	MATERIAL POINTER FILE.
???????? .KEY	TEMPORARY KEY FILES (DO NOT NEED TO BE BACKED-UP).
gggggggg .ggC	CRUCIBLE CHEMISTRY FILE, CREATED BY ABS USER OR THE SPECTROMETER SIMULATOR. THIS FILE IS ONLY PROCESSED BY THE "CRURTR" PROGRAM AND IS DELETED AFTER IT HAS BEEN PROCESSED.
ACCOUNT .KSI	ACCOUNT NUMBERS/DESC. (CREATED BY CODE/TABLE EDITOR).
ADmmyyyy .KSI	HISTORICAL INVENTORY ADJUSTMENTS - ONE FOR EACH MONTH (mm) AND YEAR (yyyy) WILL BE CREATED.
ADJGyyyy .KSI	HISTORICAL GRADE/ALLOY ADJUSTMENTS FILE - ONE FOR EACH YEAR (yyyy) WILL BE CREATED.
ALTDAT .KSI	ALTERNATE GRADE/ALLOY DATA FILE. REQUIRES AAF.INI
ALTPTR .KSI	ALTERNATE GRADE/ALLOY POINTER FILE. REQUIRES AAF.INI
AVERAGE .KSI	AVERAGE MATERIAL FILE.
AVGPTR .KSI	AVERAGE MATERIAL POINTER FILE.
BURN .KSI	SPECTROMETER SIMULATOR CHEMISTRY FILE.
CAMDAT .KSI	MFP CAMPAIGN DATA FILE.
CAMPTR .KSI	MFP CAMPAIGN POINTER FILE.
CHEMxx .KSI	CHEMISTRY FILE FOR EACH FURNACE, MELTER, ETC. xx=FURNACE ID; IF ID IS ONLY 1 CHARACTER, xx WILL BE Zx, WHERE x IS THE 1 CHARACTER ID.
CHEMALL .KSI	RELEASED CHEMISTRY DATABASE.
CHEMDATA .KSI	CHRIS HOLDING DATABASE - PRIOR TO RELEASE.
CHMPTR .KSI	SCRAP CONTROL CHEMISTRY POINTER FILE.
SCHEM .KSI	SCRAP CONTROL CHEMISTRY DATA FILE.
CLASS .TBL	OPTIONAL FILE USED BY MARS - DETAILED HEAT LOG TO SUMMARIZE WEIGHTS BY CLASS CODE.
CUSTOM .KSI	CUSTOM-DEVELOPED CODE OPTION FILE AND DESCRIPTIONS (LAYOUT IS SHOWN AT THE END OF THIS CHAPTER).
CUSTOMER .KSI	CUSTOMER CODES/DESC. (CREATED BY CODE/TABLE EDITOR).

ABS DATA FILES (cont'd)

DATA FILES IN VABS\DATA (ALL ABS USERS)

NAME	GENERAL DESCRIPTION
DELAY .KSI	DELAY CODES/DESCRIPTIONS (CREATED BY CODE/TABLE EDITOR).
DFP .KSI	DATA FILE FOR STORING DYNAMIC FORMULAS.
DIRLOG .KSI	DIRECTORY CHANGE/ACTIVITY LOG FILE.
ERRLOG .KSI	MATERIAL QC ERROR LOG HISTORY FILE (CREATED BY ABS UTILITY PROGRAM A).
ERROR .LOG	MATERIAL EDITOR IMPORT ERROR FILE.
EXmmyyyy .KSI	MATERIAL EXCHANGE TRANSACTION FILE FOR MM,YYYY
EXCDAT .KSI	MATERIAL EXCHANGE DATA FILE
EXCPTR .KSI	MATERIAL EXCHANGE POINTER FILE
EXPDyyyy .KSI	EXPIRED MATERIAL FILE - yyyy=YEAR DELETED.
EXPPyyyy .KSI	EXPIRED MATERIAL POINTER FILE - yyyy=YEAR DELETED.
EXPORT .KSI	(OPTIONAL) INVENTORY RECEIPTS/USAGE EXPORT HISTORY FILE.
FAMILY .KSI	GRADE/ALLOY FAMILY CODES/DESCRIPTIONS (CREATED BY CODE/TABLE EDITOR).
FINAL .KSI	LAST FINAL CHEMISTRY DATA FILE PROCESSED.
GRADE .CSV	GRADE EXPORT FILE - COMMA SEPARATED (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., VABS\USER1, NOT IN VABS\DATA).
GRADE .EXP	GRADE EXPORT/IMPORT FILE - FIXED FORMAT (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., VABS\USER1, NOT IN VABS\DATA).
GRDERR .KSI	HISTORICAL GRADE ERROR FILE (CREATED BY ABS UTILITY PROGRAM B).
HEATNO .KSI	NEXT SEQUENTIAL HEAT NUMBER.
HEATS .KSI	MARS POINTER FILE.
INGOT .KSI	INGOT CODES/DESC. (CREATED BY CODE/TABLE EDITOR).
INVDAT .KSI	RESERVED HEATS DATA FILE.
INVPTR .KSI	INVENTORY POINTER FILE.
LICENSE .KSI	ABS LICENSE PLATE FILE.
LOCATION .KSI	LOCATION CODES/DESCRIPTIONS (CREATED BY CODE/TABLE EDITOR).
LOTNUM .KSI	LOT NUMBER CODES/DESCRIPTIONS (CREATED BY CODE/TABLE EDITOR).
MARAVG .KSI	EXCLUSION FILE FOR MARS AVG./TOTAL CONSUMPTION REPORT.
MATEXP .CSV	MATERIAL EXPORT FILE - COMMA SEPARATED (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., VABS\USER1, NOT IN VABS\DATA).
MATEXP .EXP	MATERIAL EXPORT/IMPORT FILE - FIXED FORMAT (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., VABS\USER1, NOT IN VABS\DATA).
MAmmyyyy .KSI	MARS ADJUSTMENTS HISTORY FILE - ONE FOR EACH MONTH (MM) AND YEAR (YYYY) WILL BE CREATED.
MDmmyyyy .CSV	MTD/YTD EXPORT FILE, WHERE MM = MONTH, YYYY = YEAR (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., VABS\USER1, NOT IN VABS\DATA).
MDmmyyyy .TXT	MTD/YTD EXPORT FILE, WHERE MM = MONTH, YYYY = YEAR (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., VABS\USER1, NOT IN VABS\DATA).
MTD .KSI	CURRENT MONTH-TO-DATE DATA FILE.
MTDLOG .KSI	MONTH-TO-DATE ACTIVITY HISTORY FILE.
MTYPES .KSI	MATERIAL TYPES/DESC. (CREATED BY CODE/TABLE EDITOR).

ABS DATA FILES (cont'd)

DATA FILES IN VABS\DATA (ALL ABS USERS)

NAME	GENERAL DESCRIPTION
NAMES .KSI	MATERIAL NAMES/DESC. (CREATED BY CODE/TABLE EDITOR).
NOZZLE .KSI	NOZZLE SIZES/DESC. (CREATED BY CODE/TABLE EDITOR).
NODILUTE .KSI	LIST OF USER DEFINED NON-DILUTANT VALUES (TAP ONLY) (<i>LAYOUT IS SHOWN AT THE END OF THIS CHAPTER</i>).
NONMETAL.KSI	LIST OF USER DEFINED NON-METALLIC SYMBOLS (<i>LAYOUT IS SHOWN AT THE END OF THIS CHAPTER</i>).
OUTSIDE .KSI	LIST OF OUTSIDE LOCATIONS, USED WITH CUSTOM OPT 62.
PROFIT .KSI	PARAMETER FILE FOR SPECIAL CHARGE PROGRAM DEVELOPED FOR SCRAP DEALERS/METALS BROKERS.
PURE .KSI	MFP/PURE MARKET AND QUOTED MATERIAL DATA FILE.
PURPTR .KSI	MFP/PURE MARKET AND QUOTED MATERIAL POINTER FILE.
REASON .KSI	CHANGE REASON CODES/DESC. (CREATED BY CODE/TABLE EDITOR).
RE <i>mm</i> yyyy .KSI	DETAILED RECEIPTS FILE - ONE FOR EACH MONTH (<i>mm</i>) AND YEAR (<i>yyyy</i>) WILL BE CREATED.
RECEIPTS .KSI	CLONE RECEIPTS FILE.
RECAST .KSI	RECASTING INVENTORY HISTORY FILE.
REQUIRED .KSI	PARAMETER FILE OF REQUIRED DATA FIELDS (<i>LAYOUT IS SHOWN AT THE END OF THIS CHAPTER</i>).
SCHEM .KSI	SCRAP CONTROL CHEMISTRY DATA FILE.
CHMPTR .KSI	SCRAP CONTROL CHEMISTRY POINTER FILE.
SCRAP .KSI	SCRAP CONTROL DATA FILE.
SCRPTR .KSI	SCRAP CONTROL POINTER FILE.
SVGDAT .KSI	SCRAP CONTROL AVERAGE DATA FILE.
SVGPTR .KSI	SCRAP CONTROL AVERAGE POINTER FILE.
TREAT .KSI	TREATMENT CODES/DESC. (CREATED BY CODE/TABLE EDITOR).
USAGE .KSI	CLONE USAGE FILE.
US <i>mm</i> yyyy .KSI	DETAILED USAGE FILE - ONE FOR EACH MONTH (<i>mm</i>) AND YEAR (<i>yyyy</i>) WILL BE CREATED.
USERS .KSI	USERS, MELTERS, ETC. CODES/NAMES (CREATED BY CODE/TABLE EDITOR).
UTIL <i>yyyy</i> .KSI	ABS UTILITIES LOG FILE - ONE FOR EACH YEAR (<i>yyyy</i>). QUALITY CONTROL INFORMATION FOR KEYSTONE PERSONNEL.
VENDOR .KSI	VENDOR CODES/DESC. (CREATED BY CODE/TABLE EDITOR).
YTD <i>yyyy</i> .KSI	YEAR-TO-DATE HISTORY FILE - <i>yyyy</i> =YEAR (I.E., 1999).

DATA FILES IN VABS\GLOG (ALL ABS USERS)

NAME	GENERAL DESCRIPTION
IIII	HISTORICAL GRADE/ALLOY ADJUSTMENTS FILE. ONE FILE IS CREATED FOR EACH GRADE/ALLOY, WHERE IIII IS THE ABS LICENSE PLATE NUMBER.

ABS DATA FILES (cont'd)

DIRECTORY OF DATA FILES IN \ABS\MLOG (ALL ABS USERS)

NAME	GENERAL DESCRIPTION
////	HISTORICAL MATERIAL ADJUSTMENTS FILE. ONE FILE IS CREATED FOR EACH MATERIAL, WHERE //// IS THE ABS LICENSE PLATE NUMBER.

DATA FILES IN \ABS\DATA (ALL ABS USERS)

NAME	GENERAL DESCRIPTION
WABSDSP n .DAT*	BINARY ACCESS DISPLAYS.
WABSERR n .DAT*	BINARY ACCESS ERRORS.
WABSHLP n .DAT*	BINARY ACCESS HELP MESSAGES.
WABSSCR n .DAT*	BINARY ACCESS SCREENS.
SLFR .EXE*	SORTING PROGRAM - MUST BE KEPT IN \ABS\HELP FOLDER.
CHARGE n .SOP	ASCII TEXT OF OPERATING INSTRUCTIONS FOR CHARGE PHASE.
INTER n .SOP	ASCII TEXT OF OPERATING INSTRUCTIONS FOR INTERMEDIATE ADDITIONS PHASE.
FINAL n .SOP	ASCII TEXT OF OPERATING INSTRUCTIONS FOR FINAL ADDITIONS PHASE.
HELP .SOP	ASCII TEXT OF HELP FOR CREATING OPERATING INSTRUCTIONS.
LF90 .EER	FORTRAN-90 ERROR FILE.
PROGRAM .HLP	ASCII TEXT OF COMMAND LINE PARAMETERS FOR ALL ABS PROGRAMS.

***INDICATES A FILE OR PROGRAM THAT IT IS REQUIRED TO RUN ABS.**

n=1-8 FOR THE LANGUAGE CODE, DEFINED AS: 1=ENGLISH, 2=FRENCH, 3=CHINESE, 4=SPANISH, 5=GERMAN, 6=PORTUGUESE, 7=HUNGARIAN, AND 8=KOREAN.

DOCUMENTATION AND RELATED FILES:

WABSADMIN.CHM - ABS SYSTEMS ADMINISTRATOR'S GUIDE IN WINDOWS HTML HELP FORMAT (DISPLAYED BY CLICKING ON "ABS DOCUMENTATION" ON THE MAIN MENU BAR, THEN SELECTING "ABS ADMINISTRATORS GUIDE"). THIS FILE CONTAINS ALL ABS DATA FILE LAYOUTS.

WABSHELP.CHM - ABS USER'S REFERENCE GUIDE IN WINDOWS HTML HELP FORMAT (DISPLAYED BY SELECTING "W-ABS USER DOCUMENTATION" ON THE ABS MAIN MENU, OR BY CLICKING ON "ABS DOCUMENTATION" ON THE MAIN MENU BAR, THEN SELECTING "ABS REFERENCE MANUAL").

W* .HLP - ABS PROGRAM DOCUMENTATION IN WINDOWS HELP FORMAT (DISPLAYED BY CLICKING ON "ABOUT" FROM THE MENU WITHIN ANY ABS PROGRAM).

W* .CNT - TABLE OF CONTENTS FILE IN WINDOWS HELP FORMAT (ONE EXISTS FOR EACH ABS PROGRAM DOCUMENTATION FILE - FOR EXAMPLE, THE DOCUMENTATION HELP FILE FOR MIX IS WMIX.HLP, AND THE CORRESPONDING TABLE OF CONTENTS FILE IS WMIX.CNT).

* .PDF - ABS PROGRAM DOCUMENTATION IN ADOBE ACROBAT READER FORMAT. DISPLAYED BY CLICKING "REFERENCE MANUAL" FROM THE FIRST MENU BAR WITHIN ANY ABS PROGRAM).

ABS DATA FILES (cont'd)

DATA FILES IN USER'S WORKING FOLDER

AAF .INI Logical file to specify this user is using Alternate Grade/Alloy Files, not Standard Grade/Alloy files.

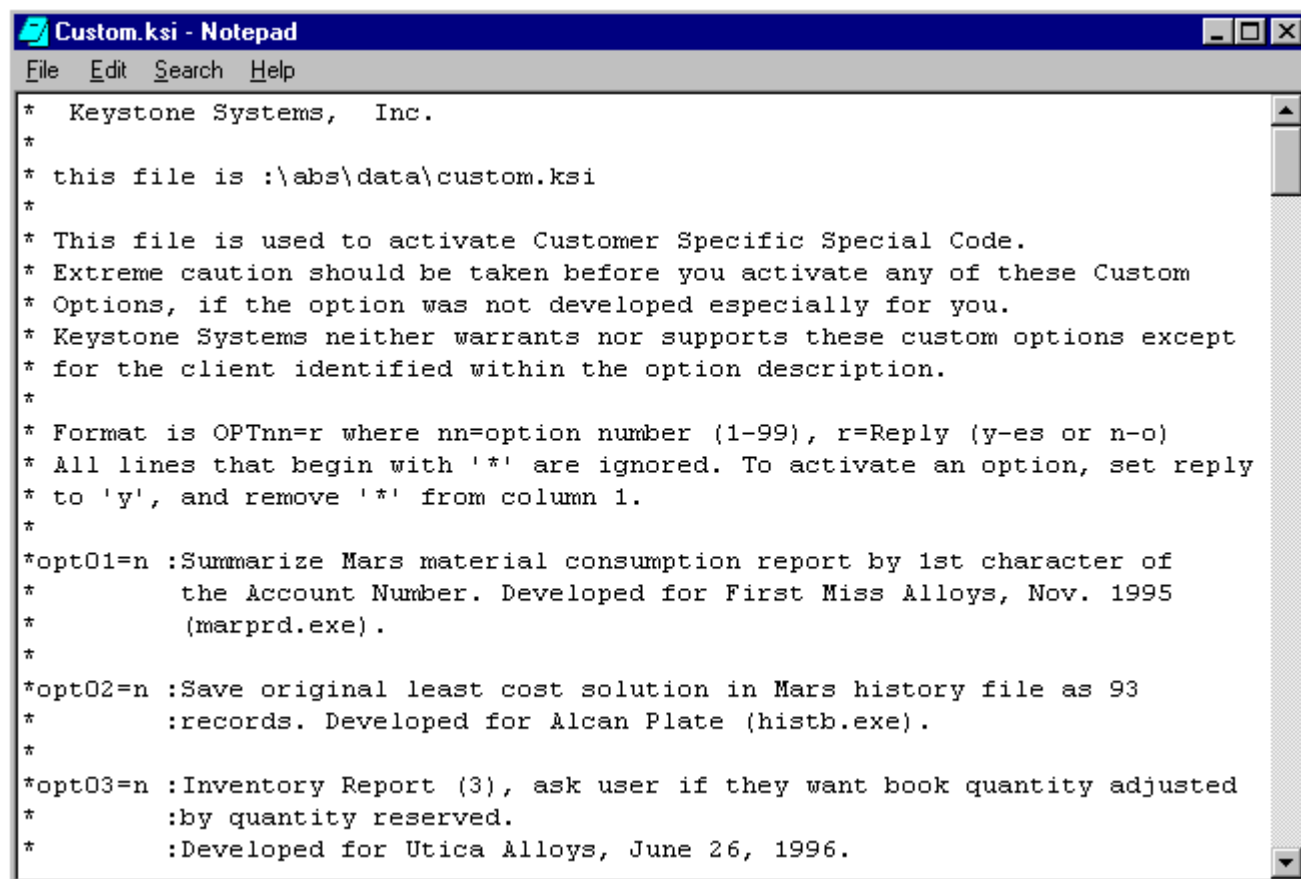
DATA FILES IN \ABS\LOGS (MANAGEMENT REPORTING SYSTEM USERS ONLY)

NAME	GENERAL DESCRIPTION
hhhhhhhh .\$\$L	HEAT/CAST HISTORY FILE WHERE: <i>hhhhhhhh</i> =HEAT/CAST NUMBER, \$=BLANKS, L="LOG FILE".
hhhhhhhh .\$\$H	MELT HISTORY FILE WHERE: <i>hhhhhhhh</i> =HEAT/CAST NUMBER, \$=BLANKS, H="MELT HISTORY FILE", ACCESSED ONLY BY "MHISTJAN".
hhhhhhhh .\$\$E	RTMIX EVENTS FILE WHERE: <i>hhhhhhhh</i> =HEAT/CAST NUMBER, \$=BLANKS, E="RTMIX EVENTS FILE".
Xmddyya .EXP	HEAT/CAST HISTORY EXPORT FILE WHERE: <i>mm</i> = MONTH THE EXPORT WAS PERFORMED. <i>dd</i> = DAY THE EXPORT WAS PERFORMED. <i>yy</i> = LAST 2 DIGITS OF THE YEAR THE EXPORT WAS PERFORMED. <i>a</i> = (A-Z) REPRESENTING 1-26 EXPORTS PERFORMED THAT DAY.
Xmddyya .TXT	HEAT/CAST HISTORY EXPORT STATISTICS WHERE: <i>mm</i> = MONTH THE EXPORT WAS PERFORMED. <i>dd</i> = DAY THE EXPORT WAS PERFORMED. <i>yy</i> = LAST 2 DIGITS OF THE YEAR THE EXPORT WAS PERFORMED. <i>a</i> = (A-Z) REPRESENTING 1-26 EXPORTS PERFORMED THAT DAY.
CHEMDAT .CSV	MARS EXPORTED CHEMISTRY DATA - COMMA SEPARATED (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., \ABS\USER1, NOT IN \ABS\DATA).
SELECT .CSV	MARS EXPORTED SELECTIVE DATA - COMMA SEPARATED (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., \ABS\USER1, NOT IN \ABS\DATA).
USAGE .CSV	MARS EXPORTED CONSUMPTION DATA - COMMA SEPARATED (WILL BE LOCATED IN USER'S WORKING FOLDER, I.E., \ABS\USER1, NOT IN \ABS\DATA).

CUSTOM.KSI DATA FILE

Keystone Systems has a method of implementing special options and unique program features within ABS, in addition to the Special Options contained in the Master Directory.

This method of implementing special code and features is activated via the existence of the ASCII data file "CUSTOM.KSI." This file, if present, must be in your home drive and folder VABS\DATA. All ABS programs check for the existence of this file. The "CUSTOM.KSI" file contains an option number, reply, and a description of the option. For example:



```
Custom.ksi - Notepad
File Edit Search Help
* Keystone Systems, Inc.
*
* this file is :\\abs\data\custom.ksi
*
* This file is used to activate Customer Specific Special Code.
* Extreme caution should be taken before you activate any of these Custom
* Options, if the option was not developed especially for you.
* Keystone Systems neither warrants nor supports these custom options except
* for the client identified within the option description.
*
* Format is OPTnn=r where nn=option number (1-99), r=Reply (y-es or n-o)
* All lines that begin with '*' are ignored. To activate an option, set reply
* to 'y', and remove '*' from column 1.
*
*opt01=n :Summarize Mars material consumption report by 1st character of
*         the Account Number. Developed for First Miss Alloys, Nov. 1995
*         (marprd.exe).
*
*opt02=n :Save original least cost solution in Mars history file as 93
*         :records. Developed for Alcan Plate (histb.exe).
*
*opt03=n :Inventory Report (3), ask user if they want book quantity adjusted
*         :by quantity reserved.
*         :Developed for Utica Alloys, June 26, 1996.
```

Keystone utilizes this method of implementing special code and features when:

1. The feature has been determined to have little or no value to other clients;
2. The feature only affects one or two actual ABS programs;
3. The feature is not confidential or proprietary.

The major reason for developing this method was to reduce the cost and complexity of maintaining special client code. When new custom options are developed, Keystone will update the master "CUSTOM.KSI" file on their Internet download page. No newsletter or technical announcement will be published, since it has been determined that this feature has little or no value to other clients.

There may or may not be further documentation available for each custom option. If documentation is available, the documentation file will be CUST nn .DOC (where nn is the option number).

Caution should be exercised before activating any of these custom features, as the feature may require additional help and/or message screens to function properly.

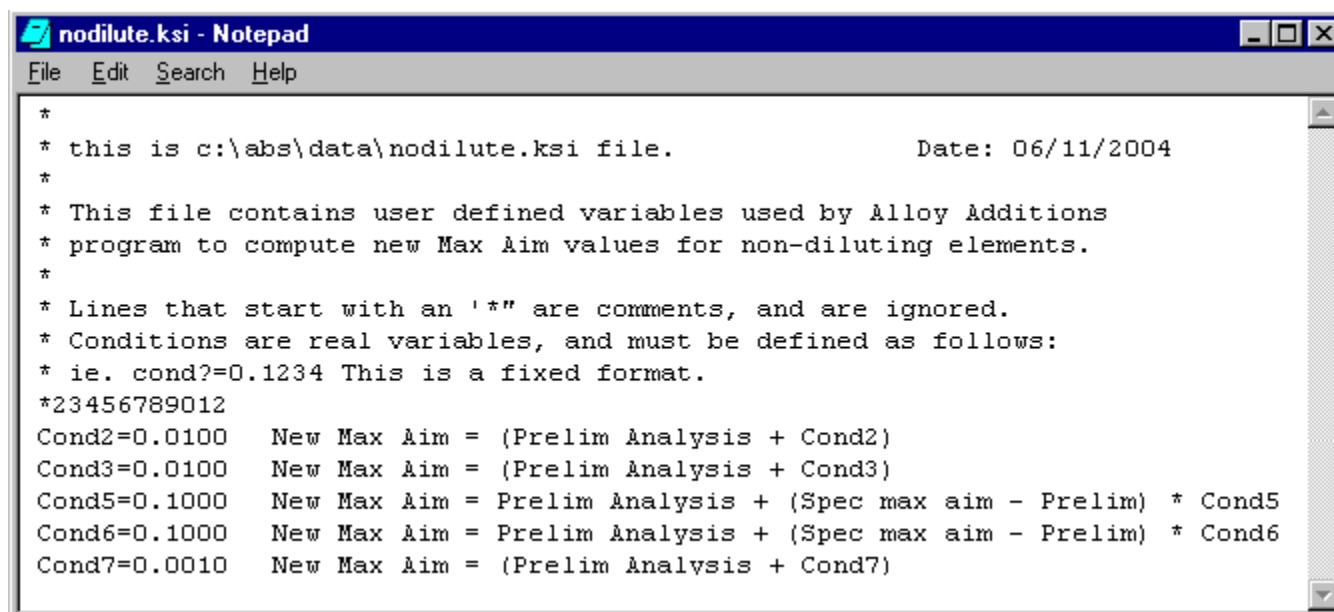
Support and maintenance of these options is not included in the standard maintenance fees.

[NODILUTE.KSI DATA FILE](#)

If you wish to replace the standard default values for processing non-diluting elements in TAP, you must first place the file **NODILUTE.KSI** in your \ABS\DATA folder. Next, edit the file and replace the values as desired.

The NODILUTE.KSI file will be supplied to all users that license the TAP program. The NODILUTE.KSI file is initially located in your \TASK folder, but must be copied to \ABS\DATA to be active.

An example of the file NODILUTE.KSI is shown below:



```
nodilute.ksi - Notepad
File Edit Search Help
*
* this is c:\abs\data\nodilute.ksi file.                Date: 06/11/2004
*
* This file contains user defined variables used by Alloy Additions
* program to compute new Max Aim values for non-diluting elements.
*
* Lines that start with an "*" are comments, and are ignored.
* Conditions are real variables, and must be defined as follows:
* ie. cond?=0.1234 This is a fixed format.
*23456789012
Cond2=0.0100    New Max Aim = (Prelim Analysis + Cond2)
Cond3=0.0100    New Max Aim = (Prelim Analysis + Cond3)
Cond5=0.1000    New Max Aim = Prelim Analysis + (Spec max aim - Prelim) * Cond5
Cond6=0.1000    New Max Aim = Prelim Analysis + (Spec max aim - Prelim) * Cond6
Cond7=0.0010    New Max Aim = (Prelim Analysis + Cond7)
```

Refer to the Directory Editor program documentation (Special Option #52, Tap – Do Not Adjust Non-Diluting Element Aims) for more details on how non-diluting elements are processed in TAP.

NONMETAL.KSI DATA FILE

The Alloy Blending System has the following non-metallic elemental symbols reserved to allow you to represent special non-metallic constituents. The chemistry information entered for any of the following special symbols will not be subtracted from the balance element:

Symbol	Description
O2	Oxygen
DEN	Density
AI	Acid Insolubles
LM	Loss Metallics
H2O	Water
OIL	Oil

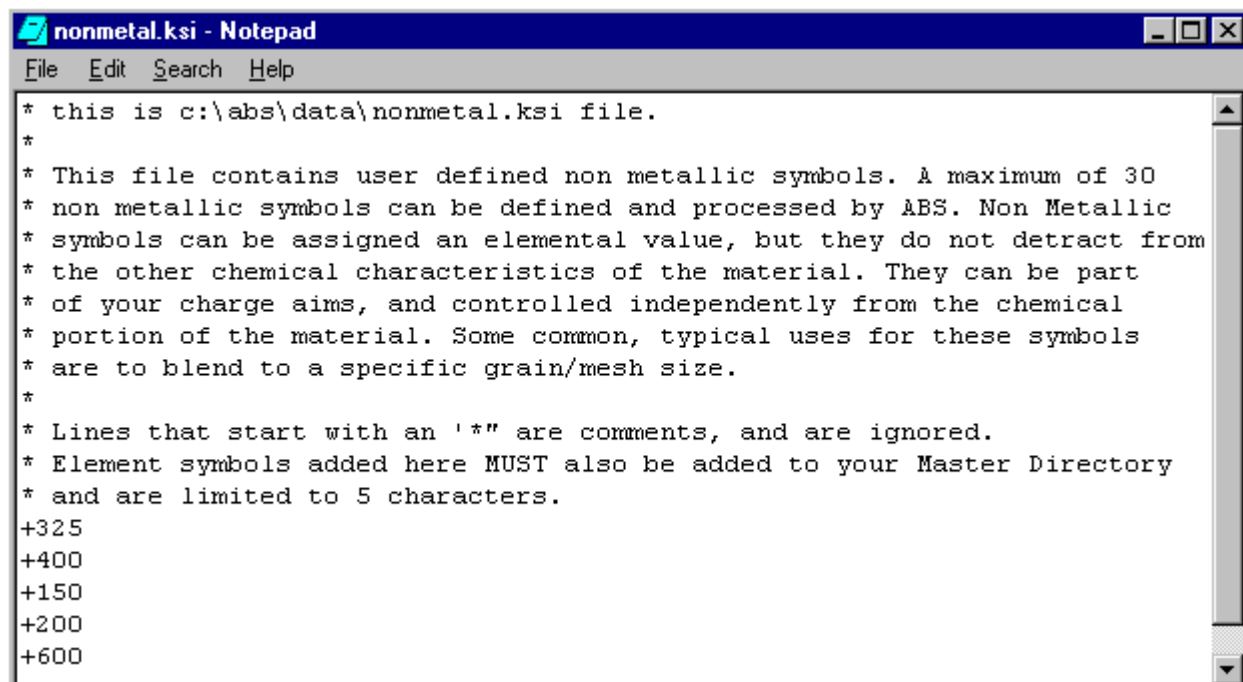
NOTE: These symbols are not case-sensitive and may be entered in upper and/or lower case letters in the Master Directory. However, all occurrences of "O" must be entered as the letter O and not a zero.

If these special symbols are used, you can control minimum and maximum amounts desired by adding the element to your charge design aims. For example, if you have entered "Oil" to your list of valid elements in your Master Directory, you can then specify a maximum and/or minimum amount desired in the charge:

	Element Symbol	Minimum Value	Maximum Value	Recovery Percent	Constraint Percent
(Delete)					
1.	<input type="checkbox"/> OIL	0.0000	5.0000	2.00	20.00000
2.	<input type="checkbox"/>				

In addition, you can create your own non-metallic symbols via the ASCII text file NONMETAL.KSI. This file, if present, must be in your home drive and folder \ABS\DATA. Symbols created can be a maximum of 5 alphanumeric characters and must also be added to the Master Directory's element table.

An example of the file NONMETAL.KSI is shown below:

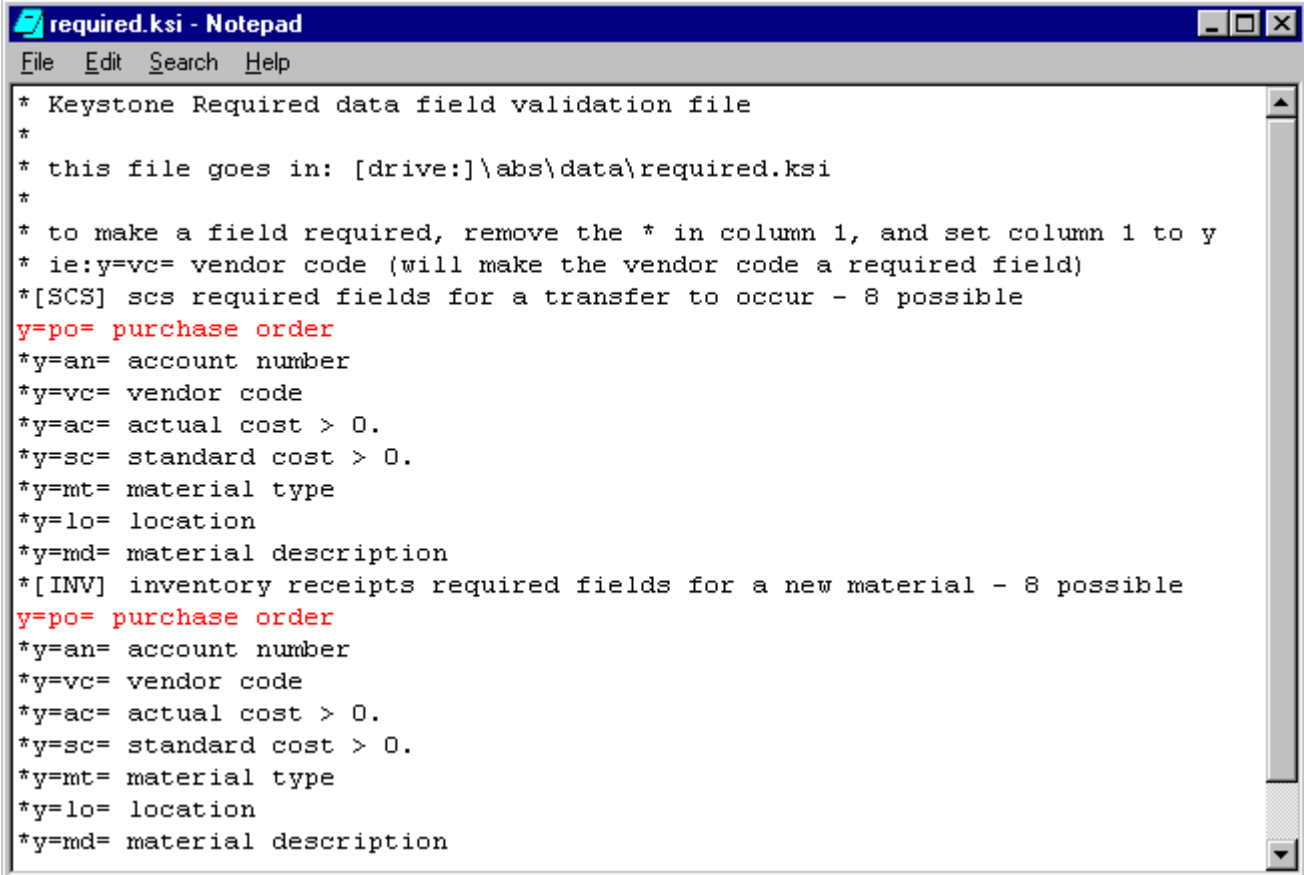


```
nonmetal.ksi - Notepad
File Edit Search Help
* this is c:\abs\data\nonmetal.ksi file.
*
* This file contains user defined non metallic symbols. A maximum of 30
* non metallic symbols can be defined and processed by ABS. Non Metallic
* symbols can be assigned an elemental value, but they do not detract from
* the other chemical characteristics of the material. They can be part
* of your charge aims, and controlled independently from the chemical
* portion of the material. Some common, typical uses for these symbols
* are to blend to a specific grain/mesh size.
*
* Lines that start with an '*' are comments, and are ignored.
* Element symbols added here MUST also be added to your Master Directory
* and are limited to 5 characters.
+325
+400
+150
+200
+600
```

REQUIRED.KSI DATA FILE

Keystone Systems has a method of specifying required data fields within the ABS Scrap Transfer and Inventory Receipts functions.

This method of data field validation is activated via the existence of the ASCII data file "REQUIRED.KSI." This file, if present, must be in your home drive and folder \ABS\DATA. The "REQUIRED.KSI" file contains two groups of validation codes, replies, and descriptions (*one group for the Scrap Transfer function and another group for Inventory Receipts*). For example:

A screenshot of a Windows Notepad window titled "required.ksi - Notepad". The window has a menu bar with "File", "Edit", "Search", and "Help". The text inside the window is as follows:

```
* Keystone Required data field validation file
*
* this file goes in: [drive:]\abs\data\required.ksi
*
* to make a field required, remove the * in column 1, and set column 1 to y
* ie:y=vc= vendor code (will make the vendor code a required field)
*[SCS] scs required fields for a transfer to occur - 8 possible
y=po= purchase order
*y=an= account number
*y=vc= vendor code
*y=ac= actual cost > 0.
*y=sc= standard cost > 0.
*y=mt= material type
*y=lo= location
*y=md= material description
*[INV] inventory receipts required fields for a new material - 8 possible
y=po= purchase order
*y=an= account number
*y=vc= vendor code
*y=ac= actual cost > 0.
*y=sc= standard cost > 0.
*y=mt= material type
*y=lo= location
*y=md= material description
```

To make a data field required, edit the REQUIRED.KSI file with any ASCII text editor (*i.e., Windows Notepad*). Under the appropriate heading (*[SCS] for the Scrap Transfer function, or [INV] for the Inventory Receipts function*), remove the asterisk (*) in position 1 from the desired field(s). Save the file and exit the editor program. Each item without an asterisk will be a required field in the corresponding program.

In the sample file shown above, "Purchase Order" was specified as a required field in both the Scrap Transfer and the Inventory Receipts functions. Each time either of these functions are activated, the program would check to see if a Purchase Order has been entered before exiting. If a Purchase Order has not been entered, a message will appear and the program will not continue until a Purchase Order is entered.