



**International Classification of Diseases, 10th Edition,
Clinical Modification (ICD-10-CM) and
Procedure Coding System (ICD-10-PCS)
Code Sets**

ICD*18.0*57

LEX*2.0*80



INSTALLATION GUIDE

Apr 21, 2014

Effective Oct 1, 2014

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1. Pre-Installation Information

The ICD-10 Implementation project is comprised of three major components. The first is a Kernel Installation and Distribution System (KIDS) distribution with two builds containing updated data dictionaries (DDs), application programmer interfaces (APIs), routines, and options. The first build is the ICD Coding System build and the second is the Lexicon Utility. The builds are contained in a single multi-package KIDS distribution and will be installed in the order listed below:

Global Host File Name: **ICD_18_57.GBL**
KIDS Host File Name: **ICD_18_57.KID**
Install Name: **ICD*18.0*57**

<u>Order of Installation</u>	<u>Install Name (to install)</u>	<u>Contents</u>	
1st	ICD_18_57.GBL	^LEXM (data)	(using ^%GI)
2nd	ICD_18_57.KID	ICD*18.0*57	
3rd		LEX*2.0*80	

The second major component is a global host file containing the data.

Global Host File Name: **ICD_18_57.GBL**

The third component is the accompanying documentation, including Technical Manuals and User Manuals.

Lexicon Technical Manual
Lexicon User Manual
ICD Technical Manual

1.1 Minimum Required Packages

Before installing ICD-10, make sure that your system includes the following Department of Veterans Affairs (VA) software packages and versions (those listed or higher).

1.2 Minimum Required Packages and Versions

PACKAGE	MINIMUM VERSION	COMMENT
DRG Grouper	18.0	
Lexicon Utility	2.0	
Kernel	8.0	TaskMan Running, place in WAIT state for the installation
MailMan	8.0	Running
VA FileMan	22.0	

1.3 Required, Companion and Other Builds

1.3.1 Required Builds

Build	Required Build	Released	Content
ICD*18.0*57	ICD*18.0*6	Sep 24, 2003	Code Set Versioning
	ICD*18.0*12	Oct 08, 2004	Code Text Descriptors
	ICD*18.0*15	Jun 09, 2005	Legacy APIs Fixes
	ICD*18.0*29	Nov 15, 2007	ICD Legacy APIs Fixes
	LEX*2.0*81	Feb 14, 2012	AWRD Cross-Reference fix
	PSO*7.0*404	Aug 14, 2012	Global Read of ICD files
	ONC*2.11*56	Sep 27, 2012	Global Read of ICD files
	RA*5.0*112	Apr 17, 2013	Global Read of ICD files
	ICD*18.0*62	May 01, 2013	DRG Grouper Fixes
	GMPL*2.0*43	May 14, 2013	Global Read of ICD files
	TIU*1.0*267	May 14, 2013	Global Read of ICD files
	ICD*18.0*69	Jun 21, 2013	DRG Grouper Fixes
	DG*5.3*870	Jul 15, 2013	Global Read of ICD files
	IBD*3.0*64	Sep 03, 2013	Global Read of ICD files
	LR*5.2*429	Sep 18, 2013	Global Read of ICD files
	ACKQ*3.0*22	Dec 12, 2013	Global Read of ICD files
	LEX*2.0*94	Jan 14, 2014	FY14 2nd Qtr Data Update
LEX*2.0*80	LEX*2.0*25	Sep 24, 2003	Code Set Versioning
	LEX*2.0*30	Oct 08, 2004	Code Text Descriptors
	LEX*2.0*62	May 06, 2009	Code Set Queries
	LEX*2.0*81	Feb 14, 2012	AWRD Cross-Reference fix
	PSO*7.0*404	Aug 14, 2012	Global Read of ICD files
	ONC*2.11*56	Sep 27, 2012	Global Read of ICD files
	RA*5.0*112	Apr 17, 2013	Global Read of ICD files
	ICD*18.0*62	May 01, 2013	DRG Grouper Fixes
	GMPL*2.0*43	May 14, 2013	Global Read of ICD files
	TIU*1.0*267	May 14, 2013	Global Read of ICD files
	ICD*18.0*69	Jun 21, 2013	DRG Grouper Fixes
	DG*5.3*870	Jul 15, 2013	Global Read of ICD files
	IBD*3.0*64	Sep 03, 2013	Global Read of ICD files
	LR*5.2*429	Sep 13, 2013	Global Read of ICD files
	ACKQ*3.0*22	Dec 12, 2013	Global Read of ICD files
	LEX*2.0*94	Jan 14, 2014	FY14 2nd Qtr Data Update

1.3.2 WARNING: Builds to Install Immediately after ICD*18.0*57



These builds are not required by ICD*18.0*57, but must be installed immediately after ICD*18.0*57 to address problems with both the ICD-10 and Legacy ICD-9 environments.

Patch	Content	Comment
PX*1.0*203	Patient Care Encounter (PCE)	ICD-9 Remediation
EC*2.0*124	Event Capture	ICD-9 Remediation of ECUURPC
ROR*1.5*23	Clinical Case Registries	ICD-9 Remediation of RORRP016

1.3.3 Other Noteworthy Builds

Applications that access ICD data have been modified to use ICD-10 data. These changes are exported in to the following patches:

Patch	Package/Content
PX*1.0*199	Patient Care Encounter
IBD*3.0*63	Encounter Forms
SR*3.0*177	Surgery
GMPL*2*42	Problem List
IB*2.0*461	Integrated Billing
ICD*18.0*60	DRG ICD-10 Class I Remediation
ICD*18.0*64	ICD-10 DRG Grouper
GMRC*3.0*73	Consults
OR*3.0*361	Order Entry
FB*3.5*139	Fee Basis
MC*2.3*44	Medicine
ICD*18.0*64	DRG Grouper
DG*5.3*850	Admission, Discharge, Transfer (ADT)
IBD*3.0*65	Encounter Forms
GMTS*2.7*101	Health Summary
RMPR*3*168	Prosthetics
LR*5.2*422	Anatomic Pathology
LR*5.2*421	Emerging Pathogens
OR*3*353	Group Notes
MD*1.0*29	Clinical Procedures
EC*2*114	Event Capture
EDP*2.0*2	Emergency Department
DSIF*3.2*37	Fee Basis Claims System (FBCS)
MC*2.3*43	Medicine
TIU*1.0*263	Text Integration Utilities
OR*3.0*365	Order Entry for CPRS 29
GMPL*2.0*44	Problem List/Clinical Reminders
PXRM*2.0*26	Clinical Reminders

DG*5.3*862	Patient Treatment File
ICD*18.0*60	DRG Grouper
SD*5.3*586	Scheduling
PRCA*4.5*281	Accounts Receivable
SD*5.3*593	Ambulatory Care
ROR*1.5*19	Clinical Case Registries
HBH*1*25	Hospital Based Home Care
ECX*3*138	DSS Extracts
YS*5.01*107	Mental Health
ACKQ*3*21	QUASAR
SPN*3.0*3	Spinal Cord
PSU*4*19	Pharmacy Benefits Management

1.4 New Files

Application	File Name	File Number	Global Root
ICD Grouper v 18.0	ICD CODING SYSTEMS	80.4	^ICDS(
	DRG DIAGNOSIS IDENTIFIER CODES	82	^ICDID(
	DRG PROCEDURE IDENTIFIER CODES	82.1	^ICDIP(
	DRG CC EXCLUSIONS	82.13	^ICDCCEX(
Lexicon Utility v 2.0	CHARACTER POSITIONS	757.033	^LEX(757.033,

1.5 Modified Files

Patch LEX*2.0*80 writes to the following files:

File Name	File Number	Global Root	ICR
ICD DIAGNOSIS	#80	^ICD9(	ICR 4485
ICD OPERATION/PROCEDURE	#80.1	^ICD0(	ICR 4486
MAJOR CONCEPT MAP	#757	^LEX(757,	N/A
CONCEPT USAGE	#757.001	^LEX(757.001,	N/A
EXPRESSIONS	#757.01	^LEX(757.01,	N/A
CODES	#757.02	^LEX(757.02,	N/A
CODING SYSTEMS	#757.03	^LEX(757.03,	N/A
EXCLUDED WORDS	#757.04	^LEX(757.04,	N/A
REPLACEMENT WORDS	#757.05	^LEX(757.05,	N/A
SEMANTIC MAP	#757.1	^LEX(757.1,	N/A
SUBSET DEFINITIONS	#757.2	^LEXT(757.2,	N/A
SUBSETS	#757.21	^LEX(757.21,	N/A
LOOK-UP SCREENS	#757.3	^LEX(757.3,	N/A
DISPLAYS	#757.31	^LEX(757.31,	N/A

1.6 New Options

Patch	Option Name	Option
LEX*2.0*80	Edit Search Threshold for a Coding System	[LEX MGR EDIT SEARCH THRESHOLD]

1.7 Modified Options

Patch	Option Name	Option
LEX*2.0*80	ICD-9 Diagnosis Code Set Query	[LEX CSV ICD QUERY]
	ICD-9 Procedure Code Set Query	[LEX CSV ICP QUERY]
	Code History	[LEX CSV HISTORY]
	ICD/CPT Code Set Change List	[LEX CSV ICD/CPT CHANGE LIST]
	Edit Lexicon	[LEX MGR EDIT LEXICON]
	Edit Term Definition	[LEX MGR EDIT DEFN]
	Edit Shortcuts by Context	[LEX MGR EDIT SHORTCUTS]

1.8 New Routines

Patch	Routine	Comment
ICD*18.0*57	ICDDIC	ICD DIC Prototype
	ICDDICA	ICD DIC Prototype (ask)
	ICDEX	ICD Data Extract
	ICDEXA	ICD Data Extract replaces ICDAPIU
	ICDEXA2	ICD Data Extract replaces ICDAPIU
	ICDEXA3	ICD Data Extract replaces ICDAPIU
	ICDEXC	ICD Data Extract replaces ICDCODE
	ICDEXC2	ICD Data Extract replaces ICDCODE
	ICDEXC3	ICD Data Extract replaces ICDCODE
	ICDEXC4	ICD Data Extract replaces ICDCODE
	ICDEXD	ICD Data Extract supports DRG
	ICDEXD2	ICD Data Extract supports DRG
	ICDEXD3	ICD Data Extract supports DRG
	ICDEXD4	ICD Data Extract supports DRG
	ICDEXD5	ICD Data Extract supports DRG
	ICDEXH	ICD Data Extract Help
	ICDEXLK	ICD Special Lookup Routine
	ICDEXLK2	ICD Special Lookup Routine
	ICDEXLK3	ICD Special Lookup Routine
	ICDEXLK4	ICD Special Lookup Routine
	ICDEXLK5	ICD Special Lookup Routine
	ICDEXLK6	ICD Special Lookup Routine
	ICDEXS	ICD Data Extract replaces ICDSUPT
	ICDEXS2	ICD Data Extract replaces ICDSUPT
	ICDIDX	Indexing routine replaces ICD0IDX and ICD9IDX

Patch	Routine	Comment
	ICDIDX2	Indexing routine replaces ICD0IDX and ICD9IDX
	ICDSAPI	ICD Search
	ICDTOKN	Parse String into Words
	ICDXCODE	Code Data
LEX*2.0*80	LEX10CS	ICD-10 Coding System Utilities
	LEX10CS2	ICD-10 Coding System Utilities (cont)
	LEX10CX	ICD-10 Suggestion Lookup
	LEX10CX2	ICD-10 Suggestion Lookup – Source
	LEX10CX3	ICD-10 Suggestion Lookup – Target
	LEX10CX4	ICD-10 Suggestion Lookup – Prompt
	LEX10CX5	ICD-10 Suggestion Lookup – Miscellaneous
	LEX10DBC	ICD-10 Diagnosis Lookup by Code
	LEX10DBR	ICD-10 Diagnosis Lookup by Root
	LEX10DBT	ICD-10 Diagnosis Lookup by Text
	LEX10DL	ICD-10 Diagnosis Lookup
	LEX10DLS	ICD-10 Diagnosis Lookup Selection
	LEX10DU	ICD-10 Diagnosis Utilities
	LEX10DX	ICD-10 Diagnosis
	LEX10PL	ICD-10 Procedure Lookup
	LEX10PLA	ICD-10 Procedure Abbreviations
	LEX10PLS	ICD-10 Procedure Selection
	LEX10PR	ICD-10 Procedures
	LEX10TAX	Post-ICD-10 Taxonomies
	LEXDMGS	Manager Edit of Search Threshold
	LEXHLP2	Help routine that includes ICD-10
	LEXQC3	Expanded Query Change Option to include ICD-10
	LEXQC4	Expanded Query Change Option to include ICD-10
	LEXQL4	Expanded Query Lookup option to include ICD-10
	LEXTOKN	Parse Text into Words
	LEXTOKN2	Special Case Words
	LEXU2	Lexicon Utilities CS Data API
	LEXU3	Lexicon Utilities Implementation Date and CS
	LEXU4	Lexicon Utilities PERIOD and HISTORY APIs
	LEXUH	Lexicon Utilities Help
	LEXXM	Mix Case
	LEXXM1	Mix Case (1)
	LEXXM2	Mix Case (2)
	LEXXM3	Mix Case (3)
	LEXXM4	Mix Case (4)
	LEXXM5	Mix Case (5)
	LEXXM6	Mix Case (+6)
	LEXXMM	Mix Case (Miscellaneous)

1.9 Modified Routines

Patch	Routine	Comment
ICD*18.0*57	ICDAPIU	Calls data extraction ICDEX*
	ICDCOD	Calls INQ^ICDEX
	ICDCODE	Calls data extraction ICDEX*
	ICDDRG	Calls data extraction ICDEX*
	ICDDRGM	Calls data extraction ICDEX*
	ICDGTDRG	Calls data extraction ICDEX*
	ICDID	File Identifiers modified for ICD-10
	ICDREF	Calls data extraction ICDEX*
	ICDSUPT	Calls data extraction ICDEX*
LEX*2.0*80	LEXA	Removed reference to ^VA(200) ICR 10060
	LEXA1	Modified output to include ICD-10
	LEXA2	First 2 Lines Edited (SACC)
	LEXA3	First 2 Lines Edited (SACC)
	LEXA4	First 2 Lines Edited (SACC)
	LEXAB	Changed how date is handled
	LEXABC	Lookup by Code to include ICD-10
	LEXABC2	First 2 Lines Edited (SACC)
	LEXAFIL	First 2 Lines Edited (SACC)
	LEXAL	Modify Frequency
	LEXAL2	First 2 Lines Edited (SACC)
	LEXALK	Changed how date is handled
	LEXAM	First 2 Lines Edited (SACC)
	LEXAMD	First 2 Lines Edited (SACC)
	LEXAMD2	First 2 Lines Edited (SACC)
	LEXAR	Changed how date is handled
	LEXAR2	First 2 Lines Edited (SACC)
	LEXAR3	Help Text includes ICD-10
	LEXAR4	Changed how date is handled
	LEXAR5	Includes ICD-10 in VAS Selection array
	LEXAR6	Quit saving Unresolved Narratives
	LEXAR7	Documentation only
	LEXAS	First 2 Lines Edited (SACC)
	LEXAS2	First 2 Lines Edited (SACC)
	LEXAS3	First 2 Lines Edited (SACC)
	LEXAS4	First 2 Lines Edited (SACC)
	LEXAS5	First 2 Lines Edited (SACC)
	LEXAS6	First 2 Lines Edited (SACC)
	LEXAS7	First 2 Lines Edited (SACC)
	LEXASC	Changed how date is handled
	LEXASO	Changed how date is handled

Patch	Routine	Comment
	LEXCODE	Added sub-routine Code
	LEXDCC	Removed reference to ^VA(200) ICR 10060
	LEXDCCC	First 2 Lines Edited (SACC)
	LEXDCCS	First 2 Lines Edited (SACC)
	LEXDCX	Removed reference to ^VA(200) ICR 10060
	LEXDCXS	First 2 Lines Edited (SACC)
	LEXDD1	Removed reference to ^VA(200) ICR 10060
	LEXDD2	Removed reference to ^VA(200) ICR 10060
	LEXDD3	First 2 Lines Edited (SACC)
	LEXDD4	Removed reference to ^VA(200) ICR 10060
	LEXDDS	Removed reference to ^VA(200) ICR 10060
	LEXDDSD	First 2 Lines Edited (SACC)
	LEXDDSP	Removed reference to ^VA(200) ICR 10060
	LEXDDSS	First 2 Lines Edited (SACC)
	LEXDDT1	First 2 Lines Edited (SACC)
	LEXDDT2	First 2 Lines Edited (SACC)
	LEXDDTC	First 2 Lines Edited (SACC)
	LEXDDTD	First 2 Lines Edited (SACC)
	LEXDDTF	First 2 Lines Edited (SACC)
	LEXDDTV	First 2 Lines Edited (SACC)
	LEXDFL	Removed reference to ^VA(200) ICR 10060
	LEXDFLC	First 2 Lines Edited (SACC)
	LEXDFLS	First 2 Lines Edited (SACC)
	LEXDFLT	First 2 Lines Edited (SACC)
	LEXDFN	First 2 Lines Edited (SACC)
	LEXDFN2	Check for numeric subset
	LEXDFSB	Documentation
	LEXDFSE	Fix block mismatch error
	LEXDFSI	First 2 Lines Edited (SACC)
	LEXDFSO	First 2 Lines Edited (SACC)
	LEXDFSS	Documentation only
	LEXDFST	First 2 Lines Edited (SACC)
	LEXDM	Documentation only
	LEXDM2	Removed reference to ^VA(200) ICR 10060
	LEXDM3	First 2 Lines Edited (SACC)
	LEXDM4	Remove Defaults by Location
	LEXDMG	First 2 Lines Edited (SACC)
	LEXDMGO	Documentation only
	LEXDMGT	Removed reference to ^VA(200) ICR 10060
	LEXDMGU	Remove Defaults by Location
	LEXDMGV	Remove Defaults by Location
	LEXDSV	First 2 Lines Edited (SACC)
	LEXDVO	Removed reference to ^VA(200) ICR 10060

Patch	Routine	Comment
	LEXDVOS	Remove Defaults by Location
	LEXEDF1	Documentation only
	LEXEDF2	Documentation only
	LEXERF	Documentation only
	LEXERI	Documentation only
	LEXHLP	Documentation only
	LEXLK	First 2 Lines Edited (SACC)
	LEXLK2	Documentation only
	LEXMTLU	Documentation only
	LEXNDX1	Documentation only
	LEXNDX2	Documentation only
	LEXNDX3	Documentation only
	LEXNDX4	Force Uppercase Word Index
	LEXNDX5	Documentation only
	LEXNDX6	Force Uppercase Word Index
	LEXNDX8	Added ICD-10 Cross-References
	LEXPRNT	First 2 Lines Edited (SACC)
	LEXQC	Includes ICD-10, remove ICD global reference
	LEXQC2	Includes ICD-10, remove ICD global reference
	LEXQCM	Modified to use first activation Date
	LEXQCM2	Modified to use future date
	LEXQCP	Modified to use first activation Date
	LEXQCP2	Modified to use future date
	LEXQCPA	Remove extra space character in code
	LEXQH	History routine modified to include ICD-10
	LEXQHL1	History routine modified to include ICD-10
	LEXQHL2	History routine modified to include ICD-10
	LEXQHL3	History routine modified to include ICD-10
	LEXQHL4	History routine modified to include ICD-10
	LEXQHL5	History routine modified to include ICD-10
	LEXQHLM	History routine modified to include ICD-10
	LEXQID	ICD DX Query modified to include ICD-10
	LEXQID2	ICD DX Query modified to include ICD-10
	LEXQID3	ICD DX Query modified to include ICD-10
	LEXQID4	ICD DX Query modified to include ICD-10
	LEXQIDA	ICD DX Query modified to include ICD-10
	LEXQIP	ICD Proc Query modified to include ICD-10
	LEXQIP2	ICD Proc Query modified to include ICD-10
	LEXQIP3	ICD Proc Query modified to include ICD-10
	LEXQIPA	ICD Proc Query modified to include ICD-10
	LEXQL	Code Lookup modified to include ICD-10
	LEXQL2	Code Lookup modified to include ICD-10
	LEXQL3	Code Lookup modified to include ICD-10

Patch	Routine	Comment
	LEXQM	Fix date prompt
	LEXRX	Documentation only
	LEXRXB	Documentation only
	LEXRXC	Documentation only
	LEXRXD	Documentation only
	LEXRXE	Documentation only
	LEXRXF	Change Parsing
	LEXRXG	Documentation only
	LEXRXD4	Modified for new Data Dictionary
	LEXRXXP	Change Parsing
	LEXRXXS	Documentation only
	LEXRXXT3	Fix Subscript Error
	LEXSC	Documentation only
	LEXSC2	Documentation only
	LEXSC3	Documentation only
	LEXSET	Changed how date is handled
	LEXSET2	First 2 Lines Edited (SACC)
	LEXSET3	First 2 Lines Edited (SACC)
	LEXSET4	First 2 Lines Edited (SACC)
	LEXSET5	Removed reference to ^VA(200) ICR 10060
	LEXSRC2	Added coding system
	LEXTRAN	Modified how coding system retrieved
	LEXTRAN1	Added CSI sub-routine (code system IEN)
	LEXU	Added ICD-10 related sub-routines
	LEXXFI	Documentation only
	LEXXFI3	Documentation only
	LEXXFI4	Documentation only
	LEXXFI6	Documentation only
	LEXXFI7	Documentation only
	LEXXFI8	Documentation only
	LEXXFQ	Documentation only
	LEXXGI	Do not invoke the protocol (LEXNOPRO)
	LEXXGI2	Do not invoke the protocol (LEXNOPRO)
	LEXXGI3	Remove ICD global reference
	LEXXGI4	Repair Indexes
	LEXXII	Documentation only
	LEXXII2	Documentation only

1.10 Deleted Routines

Patch	Routine	Comment
ICD*18.0*57	ICD1857	Environment Check, Deleted by Site
	ICD1857P	Post-Install, Deleted by Site
	ICD0IDX	ICD0 Indexing Routine
	ICD9IDX	ICD9 Indexing Routine
LEX*2.0*80	LEX2080	Environment Check, Deleted by Site
	LEX2080A	Post-Install, Deleted by Site
	LEX2080B	Post-Install, Deleted by Site
	LEX2080C	Post-Install, Deleted by Site
	LEX2080P	Post-Install, Deleted by Site
	LEXIENV	Old Environment Check
	LEXILG	LEXILG* Old Post-Install
	LEXILGD	LEXILG* Old Post-Install
	LEXILGO	LEXILG* Old Post-Install
	LEXILGP	LEXILG* Old Post-Install
	LEXILGU	LEXILG* Old Post-Install
	LEXILGX	LEXILG* Old Post-Install
	LEXLGM	LEXLG* Lexicon Survey
	LEXLGM2	LEXLG* Lexicon Survey
	LEXLGM3	LEXLG* Lexicon Survey
	LEXPL	LEXPL* Problem List Survey
	LEXPLEM	LEXPL* Problem List Survey
	LEXPLIA	LEXPL* Problem List Survey
	LEXPLUP	LEXPL* Problem List Survey
	LEXTOLKN	Parse Text into Words
	LEXXST	LEXXST* Lexicon Status Report
	LEXXST2	LEXXST* Lexicon Status Report
	LEXXST3	LEXXST* Lexicon Status Report
	LEXXST4	LEXXST* Lexicon Status Report

1.11 New or Modified APIs (supported)

Patch	API	ICR
ICD*18.0*57	\$\$ICDDX^ICDCODE	ICR 3990, Modified
	\$\$ICDOP^ICDCODE	ICR 3990, Modified
	\$\$ICDD^ICDCODE	ICR 3990, Modified
	\$\$CODEN^ICDCODE	ICR 3990, Modified
	\$\$CODEC^ICDCODE	ICR 3990, Modified
	\$\$STATCHK^ICDAPIU	ICR 3991, Modified
	\$\$NEXT^ICDAPIU	ICR 3991, Modified
	\$\$PREV^ICDAPIU	ICR 3991, Modified
	\$\$HIST^ICDAPIU	ICR 3991, Modified

Patch	API	ICR
	\$\$DTBR^ICDAPIU	ICR 3991, Modified
	\$\$MSG^ICDAPIU	ICR 3991, Modified
	PERIOD^ICDAPIU	ICR 3991, Modified
	\$\$ICDDATA^ICDXCODE	ICR 5699, New
	\$\$ICDESC^ICDXCODE	ICR 5699, New
	\$\$STATCHK^ICDXCODE	ICR 5699, New
	\$\$HIST^ICDXCODE	ICR 5699, New
	\$\$NEXT^ICDXCODE	ICR 5699, New
	\$\$PREV^ICDXCODE	ICR 5699, New
	\$\$PERIOD^ICDXCODE	ICR 5699, New
	SEARCH^ICDSAPI	ICR 5757, New
	SEARCH^ICDSAPI	ICR 5757, New
LEX*2.0*80	\$\$PCSDIG^LEX10CS	ICR 5681, New
	\$\$DIAGSRCH^LEX10CS	ICR 5681, New
	\$\$ICDSRCH^LEX10CS	ICR 5681, New
	\$\$CODELIST^LEX10CS	ICR 5681, New
	\$\$DX^LEXU	ICR 5679, New
	\$\$D10ONE^LEXU	ICR 5679, New
	\$\$P10ONE^LEXU	ICR 5679, New
	\$\$ONE^LEXU	ICR 5679, New
	\$\$D10^LEXU	ICR 5679, New
	\$\$ALL^LEXU	ICR 5679, New
	\$\$SCT^LEXU	ICR 5679, New
	\$\$HIST^LEXU	ICR 5679, New
	\$\$PERIOD^LEXU	ICR 5679, New
	\$\$CSDATA^LEXU	ICR 5679, New
	\$\$IMPDATE^LEXU	ICR 5679, New
	\$\$NXSAB^LEXU	ICR 5679, New
	\$\$CSYS^LEXU	ICR 5679, New
	\$\$FREQ^LEXU	ICR 5679, New
	\$\$MAX^LEXU	ICR 5679, New
	\$\$PAR^LEXU	ICR 5679, New
	\$\$CAT^LEXU	ICR 5679, New
	\$\$CAT^LEXU	ICR 5679, New

1.12 New APIs (by subscription)

Patch	API	ICR
ICD*18.0*57	\$\$ICDDX^ICDEX	ICR 5747, New
	\$\$ICDOP^ICDEX	ICR 5747, New
	\$\$ICDD^ICDEX	ICR 5747, New
	\$\$CODEN^ICDEX	ICR 5747, New
	\$\$CODEC^ICDEX	ICR 5747, New
	\$\$CODEBA^ICDEX	ICR 5747, New
	\$\$CODEABA^ICDEX	ICR 5747, New
	\$\$CODEFI^ICDEX	ICR 5747, New
	\$\$CODECS^ICDEX	ICR 5747, New

Patch	API	ICR
	\$\$CSI^ICDEX	ICR 5747, New
	\$\$VMDC^ICDEX	ICR 5747, New
	\$\$VAGEL^ICDEX	ICR 5747, New
	\$\$VAGEH^ICDEX	ICR 5747, New
	\$\$VCC^ICDEX	ICR 5747, New
	\$\$VCCP^ICDEX	ICR 5747, New
	\$\$VSEX^ICDEX	ICR 5747, New
	\$\$SAI^ICDEX	ICR 5747, New
	\$\$VST^ICDEX	ICR 5747, New
	\$\$VLT^ICDEX	ICR 5747, New
	\$\$VSTD^ICDEX	ICR 5747, New
	\$\$VSTP^ICDEX	ICR 5747, New
	\$\$VLTD^ICDEX	ICR 5747, New
	\$\$VLTP^ICDEX	ICR 5747, New
	\$\$SD^ICDEX	ICR 5747, New
	\$\$LD^ICDEX	ICR 5747, New
	\$\$SDH^ICDEX	ICR 5747, New
	\$\$LDH^ICDEX	ICR 5747, New
	PAR^ICDEX	ICR 5747, New
	\$\$STATCHK^ICDEX	ICR 5747, New
	\$\$DTBR^ICDEX	ICR 5747, New
	\$\$IMP^ICDEX	ICR 5747, New
	\$\$MSG^ICDEX	ICR 5747, New
	\$\$SEL^ICDEX	ICR 5747, New
	\$\$NEXT^ICDEX	ICR 5747, New
	\$\$PREV^ICDEX	ICR 5747, New
	\$\$HIST^ICDEX	ICR 5747, New
	\$\$PERIOD^ICDEX	ICR 5747, New
	\$\$OBA^ICDEX	ICR 5747, New
	\$\$OD^ICDEX	ICR 5747, New
	\$\$DLM^ICDEX	ICR 5747, New
	\$\$CS^ICDEX	ICR 5747, New
	\$\$EFF^ICDEX	ICR 5747, New
	\$\$IA^ICDEX	ICR 5747, New
	\$\$LA^ICDEX	ICR 5747, New
	\$\$LI^ICDEX	ICR 5747, New
	\$\$LS^ICDEX	ICR 5747, New
	\$\$NUM^ICDEX	ICR 5747, New
	\$\$COD^ICDEX	ICR 5747, New
	\$\$IE^ICDEX	ICR 5747, New
	\$\$FILE^ICDEX	ICR 5747, New
	\$\$ROOT^ICDEX	ICR 5747, New
	\$\$SYS^ICDEX	ICR 5747, New

Patch	API	ICR
	\$\$\$INFO^ICDEX	ICR 5747, New
	\$\$\$NAM^ICDEX	ICR 5747, New
	\$\$\$AB^ICDEX	ICR 5747, New
	\$\$EXC^ICDEX	ICR 5747, New
	\$\$VER^ICDEX	ICR 5747, New
	\$\$ISA^ICDEX	ICR 5747, New
	\$\$ISVALID^ICDEX	ICR 5747, New
	\$\$EXIST^ICDEX	ICR 5747, New
	\$\$GETDRG^ICDEX	ICR 5747, New
	MD^ICDEX	ICR 5747, New
	\$\$EFM^ICDEX	ICR 5747, New
	\$\$FY^ICDEX	ICR 5747, New
	\$\$VMDCDX^ICDEX	ICR 5747, New
	\$\$VMDCOP^ICDEX	ICR 5747, New
	\$\$REF^ICDEX	ICR 5747, New
	MDCG^ICDEX	ICR 5747, New
	\$\$MDCT^ICDEX	ICR 5747, New
	\$\$MDCD^ICDEX	ICR 5747, New
	\$\$MOR^ICDEX	ICR 5747, New
	\$\$UPDX^ICDEX	ICR 5747, New
	\$\$NOT^ICDEX	ICR 5747, New
	\$\$REQ^ICDEX	ICR 5747, New
	\$\$NCC^ICDEX	ICR 5747, New
	\$\$ICDID^ICDEX	ICR 5747, New
	\$\$ICDSTR^ICDEX	ICR 5747, New
	\$\$ICDIDS^ICDEX	ICR 5747, New
	\$\$ISOWNCC^ICDEX	ICR 5747, New
	\$\$ICDRGCC^ICDEX	ICR 5747, New
	INQ^ICDEX	ICR 5747, New
	\$\$EFD^ICDEX	ICR 5747, New
	\$\$PDXE^ICDEX	ICR 5747, New
	\$\$DRG^ICDEX	ICR 5747, New
	\$\$DRGDES^ICDEX	ICR 5747, New
	\$\$DRGD^ICDEX	ICR 5747, New
	\$\$DRGN^ICDEX	ICR 5747, New
	\$\$GETDATE^ICDEX	ICR 5747, New
	LK^ICDEX	ICR 5747, New
	\$\$LKTX^ICDEX	ICR 5747, New
	Y^ICDEX	ICR 5747, New
	TOKEN^ICDEX	ICR 5747, New
	\$\$WORD^ICDEX	ICR 5747, New
	\$\$IEN^ICDEX	ICR 5747, New
LEX*2.0*80	EN1^LEX10CX	ICR 5840, New

Patch	API	ICR
	EN2^LEX10CX	ICR 5840, New
	EN3^LEX10CX	ICR 5840, New

1.13 Modified Documentation

Patch	File Name	Content
ICD*18.0*57	ICD_18_57_ICDTM.PDF	ICD Technical Manual
LEX*2.0*80	ICD_18_57_LEXTM.PDF	Lexicon Technical Manual
	ICD_18_57_LEXUM.PDF	Lexicon User Manual

1.14 Remedy Tickets

Build	Ticket	Summary	Content
ICD*18.0*57	221565	Duplicate ICD Procedure code 32.41	Original
	223750	Duplicate ICD Procedure code 32.41	Duplicate of 221565
	239262	Duplicate ICD Procedure code 32.41	Duplicate of 221565
	331089	Duplicate ICD Procedure code 32.41	Duplicate of 221565
	333612	Duplicate ICD Procedure code 32.41	Duplicate of 221565
	340389	Duplicate ICD Procedure code 32.41	Duplicate of 221565
	222300	Text Histories for Problem List	
LEX*2.0*80	609125	%DT variable in CODE^LEXTRAN	
	736579	ICD-9 Filter displays DSM-IV Codes	

2 ICD-10 Code Set Installation Instructions

This is a multi-package KIDS Distribution consisting of two host files containing two builds and one global:

Host File	Component	Content
ICD_18_57.KID	ICD*18.0*57	ICD-10-CM/PCS Coding System Implementation
	LEX*2.0*80	ICD-10-CM/PCS Lexicon Implementation
ICD_18_57.GBL	^LEXM	Lexicon data export global

2.1 Common Installation Errors and Warnings

This KIDS distribution has been installed multiple times in numerous namespaces with two common errors. There are also five specific warnings to heed:

2.1.1 Control Character Error on Global Save

An error may occur while creating a backup copy of the ^LEX global with a warning "Global ^LEX contains control characters." This is caused by the UNRESOLVED NARRATIVE FILE 757.06 containing the provider's exact input, including backspace and tab characters. (See the section ["Backup Preparation"](#))



2.1.2 Full File Error during FTP/Global Load

To avoid the **FULLFILE** error ensure that sufficient free disk space is available before starting (see the section ["Disk Capacity Requirements for ICD-10"](#))



2.1.3 WARNING: Install during Non-Peak Hours

It is recommended that this patch be installed during non-peak hours. During the installation the ICD DIAGNOSIS file #80 and ICD OPERATION/PROCEDURE file #80.1 will not exist.



2.1.4 WARNING: Users must be off of the system for the KIDS Install

All steps leading up to the [KIDS Installation](#) may be done with the users on the system. Users must be off of the system during the KIDS installation. Applications, particularly clinical and fiscal applications that use ICD Diagnosis and Procedure, could encounter significant errors if exercised during the install.



2.1.5 WARNING: Place TaskMan in a Wait State for the Installation



TaskMan must remain running but in a WAIT state for the duration of the KIDS installation. Once the install is complete, restore TaskMan by removing TaskMan from a WAIT state.

2.1.6 WARNING: Installation will Temporarily Delete the ICD Coding Files



This install will completely delete the Data Dictionaries and data for both the ICD DIAGNOSIS file #80 and the ICD OPERATION/PROCEDURE file #80.1 and then rebuild them. The process takes about 2 hours.

2.1.7 WARNING: Do not Interrupt the Installation



If the pre-install runs and deletes the ICD files and the post-install does not run, the site may be left with either missing or incomplete ICD files.

2.1.8 WARNING: Do not Queue this Installation

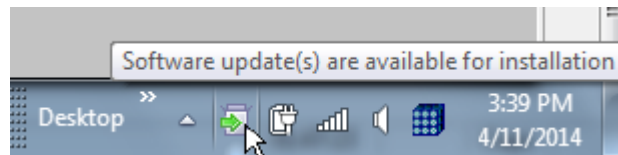


This installation is interactive. If it is queued, it will hang and not install.

2.1.9 WARNING: Do not install if Window's Updates are Scheduled/Pending



Check with local network support that no Window's updates are scheduled for the period of the ICD-10 install. Also, check the toolbar and see if there is a Window's Update icon for a pending Window's update from a previous push. A Window's update will disrupt the session and the KIDS installation.



2.2 System Resource Requirements

The ICD-10 Code Set installation requires the modification of the ICD Diagnosis file #80, ICD Procedure file #80.1, and the Lexicon Coding System file #757.03. It adds the ICD Coding System file #80.4 and the Lexicon Character Position file #757.033. The data dictionary changes will be made by the KIDS build. Data will be added to the following files:

File #	File Name	Type of Export	Nodes Exported
80	ICD DIAGNOSIS	Full File, Replace	6373187
80.1	ICD OPER/PROC	Full File, Replace	3403471
80.4	ICD CODING SYSTEMS	Full File, Replace	21
757	MAJOR CONCEPT MAP	Changes only	277117
757.001	CONCEPT USAGE	Changes only	423881
757.01	EXPRESSIONS	Changes only	4182330
757.02	CODES	Changes only	3362342
757.03	CODING SYSTEMS	Full File, Replace	227
757.04	EXCLUDED WORDS	Full File, Replace	493
757.05	REPLACEMENT WORDS	Full File, Replace	5133
757.033	CHARACTER POSITIONS	Full File, Replace	4837511
757.04	EXCLUDED WORDS	Changes only	24
757.05	REPLACEMENT WORDS	Full File, Replace	7720
757.1	SEMANTIC MAP	Changes only	692791
757.2	SUBSET DEFINITIONS	Changes only	137
757.21	SUBSETS	Changes only	526269
757.3	LOOK-UP SCREENS	Full File, Replace	255
757.31	DISPLAYS	Full File, Replace	137

The data changes are exported using the Lexicon's export global ^LEXM. This global will need to be loaded prior to installing this build. The post-install will delete the export global ^LEXM.

2.2.1 Disk Capacity Requirements for ICD-10

Permanent Retention: (before/after sizes computed with %GSIZE)

Before ICD-10 update (includes LEX*2.0*51 and LEX*2.0*84)

Global	Blocks	Bytes	MB
ICD0	639	4361548	4.16
ICD9	3572	24697088	23.55
LEX	88761	547348588	521.99
Total	92972	576407224	549.70

After ICD-10 update:

Global	Blocks	Bytes	MB
ICD0	10399	68416876	65.25
ICD9	15653	105232556	100.36
ICDS	1	324	0.00
LEX'	119296	771109528	735.39
Total	145349	944759284	900.99

Increase

Total	52377	368352060	351.29
-------	-------	-----------	--------

Temporary Installation Space Requirements

In addition to the permanent size increases outlined above, the installing system will need to be able to accommodate three temporary files, which will need to coexist for a short time:

The first file is a global host file named ICD_18_57.GBL. It contains the Lexicon export global ^LEXM. Sites will use the specified File Transfer Protocol (FTP) to retrieve this file from an FTP server. This file may be deleted from the system once the export file has been loaded using %GI.

The second is the Lexicon export global ^LEXM and will exist after it has been loaded from the global host file.

The third temporary and lesser file is the Kernel Installation and Distribution System (KIDS) host file ICD_18_57.KID. This file will be FTPed from an FTP server and contains the KIDS distribution with patches ICD*18.0*57 and LEX*2.0*80. This file may be deleted from the system once the KIDS distribution has been loaded (XPD).

Global/File	Blocks	Bytes	MB
^LEXM Export Global	195742	1200786332	1145.16
Global Host File *.GBL	3133983	1604599296	1530.27
Install Host File *.KID	4966	2542592	2.42
Total	3334691	2807928220	2677.85

Summary

	Bytes	MB
Increased Permanent Space	368352060	351.29
Temporary Space	2807928220	2677.85
Total additional Space Required	3176280280	3029.14

However, this could be reduced to 2.1 GB with judicious use of timing (e.g., first FTP the export file, then load the export file, then delete VMS file, and finally install the patch).

FTP	^%GI	XPD KIDS Install	Post-Install
ICD_18_57.GBL Host File 1604599296 bytes (1530.27 MB)		Deleted	
	ICD_18_57.KID Host File 2542592 bytes (2.42 MB)		Deleted
Non-Existent	^LEXM Export Global 1200786332 bytes (1145.16 MB)		Deleted
Non-Existent		Increased Permanent Retention 368352060 bytes (351.29 MB)	

Please note that some of these figures may differ slightly on other systems but they should be in the approximate range. To prevent allocation problems, all MB and GB totals are rounded upward.

2.4 ICD-10 Code Set Installation Instructions

2.4.1 Distribution

This distribution contains two (2) builds in a single KIDS host file and a global in a global host file.

```
ICD_18_57.KID      ICD*18.0*57
                   LEX*2.0*80
ICD_18_57.GBL      ^LEXM
```

The distribution is an “all or nothing” distribution, meaning that if the environment check for any of the two builds fail, then both transport globals will be deleted from the system. This is done because the data for the ICD-9 file and the Lexicon is being distributed in a single global, ^LEXM. Should an environment check fail, the transport globals are deleted to prevent the install of the KIDS build without the data in ^LEXM.

2.4.2 Estimated Timing

Backup	Content	Size	Time
Lexicon Global	^LEX	1.3 GB	20 to 50 minutes
ICD Diagnosis	^ICD9	53 MB	1 to 11 minutes
ICD Procedure	^ICD0	9 MB	1 to 8 minutes
Subset Definitions	^LEXT	19 KB	3 to 5 seconds
Total Backup		1.4 GB	22 to 69 minutes

Host Files	Content	Size	Time
FTP	ICD_18_57.KID	2.4 MB	4 to 10 seconds
FTP	ICD_18_57.GBL	1.5 GB	40 to 75 minutes
Global Restore ^%GI	^LEXM	1.4 GB	25 to 50 minutes
Total Data		2.5 GB	65 to 125 minutes

KIDS Install	Content		Time
Install #1	ICD*18.0*57		.1 to 1 minutes
Install #2	LEX*2.0*80		13 to 124 minutes
Total			13 to 125 minutes

Total Estimated Time	1.75 to 5.25 hours
-----------------------------	--------------------

The wide range of install times can be caused by the number of users on the system, system activity and the type of system (UNIX/OpenVMS).

2.4.4 Install during non-peak hours

It is recommended that this patch be installed during non-peak hours. During the installation, the ICD DIAGNOSIS file #80 and ICD OPERATION/PROCEDURE file #80.1, will not exist; these files will be deleted by the pre-install. The KIDS build will install the new data dictionaries. Finally, the post-install routines will re-populate these files with both ICD-9 and ICD-10 data.

2.4.5 Users Must be off of the System

Users must be off of the system during the installation of the KIDS distribution. Applications, particularly clinical and fiscal applications that use the ICD Diagnosis and Procedure, could encounter significant errors, if exercised during the install.

The following steps may be completed in preparation for the installation with users still on the system:

- FTP Software Retrieval
- Backup Preparation
- Backup Globals
- Placing TaskMan in a Wait State
- Load Data from Global Host File
- Verify Environment
- Distribution Load

2.4.6 Documentation Retrieval

Updated documentations describing the functionality introduced by this patch is available in the [ANONYMOUS.SOFTWARE] directories at the following Internet addresses:

Preferred or Specific Server	Internet address
First available ftp server	download.vista.med.va.gov <-- preferred
Albany	ftp.fo-albany.med.va.gov
Hines	ftp.fo-hines.med.va.gov
Salt Lake City	ftp.fo-slc.med.va.gov

Below is a list of the documentation files related to this patch and available via the FTP sites listed above:

Document File Description	File Name	Protocol
ICD Technical Manual	ICD_18_57_ICDTM.PDF	binary
Lexicon Technical Manual	ICD_18_57_LEXTM.PDF	binary
Lexicon User Manual	ICD_18_57_LEXUM.PDF	binary

After this patch is released, the updated manuals may also be retrieved from the Internet at <http://www.va.gov/vdl>

2.4.7 FTP Software Retrieval

Host File	File Name	FTP Protocol
KIDS Distribution	ICD_18_57.KID	ASCII
Data Host File	ICD_18_57.GBL	ASCII
Installation Guide	ICD_18_57_IG.PDF	Binary
Disk Size Requirements	ICD_18_57_DISK_REQ.PDF	Binary

These files may be downloaded directly from the following FTP servers:

FTP Server	Internet address
* Preferred Server	download.vista.med.va.gov <--
Albany	ftp.fo-albany.med.va.gov
Hines	ftp.fo-hines.med.va.gov
Salt Lake City	ftp.fo-slc.med.va.gov

* The preferred server download.vista.med.va.gov will transmit the file from the first available FTP server. Files are available in the ANONYMOUS.SOFTWARE directory.

Estimated FTP times:

ICD_18_57_IG.PDF	926 KB	2 to 5 seconds
ICD_18_57_DISK_REQ.PDF	220 KB	1 to 3 seconds
ICD_18_57.KID	2.4 MB	4 to 10 seconds
ICD_18_57.GBL	1.5 GB	40 to 75 minutes

2.4.8 Backup Preparation

Before backing up the data in the ^LEX global, first clear out the UNRESOLVED NARRATIVE file 757.06. This will prevent the backup procedure from encountering a control character and aborting in error. At the programmer prompt, issue the following command to remove the control characters:

```
>D CLR^LEXAR7
```

2.4.9 Backup Globals

Create a backup of the following global files before continuing:

Lexical Files	#757-757.41	^LEX
Lexicon Subset Definitions	757.2	^LEXT
ICD DIAGNOSIS File	#80	^ICD9
ICD OPERATION/PROCEDURE File	#80.1	^ICD0

These backup files may get as large as 1.4 gigabytes. Make sure space is available before proceeding. It should take from 22 to 69 minutes to create the backup files. Use

the utility ^%GO for non-subscripted globals. When prompted for a global, enter the global root (global name only, no open parenthesis, no file number, and no commas, as shown below). Example:

Enter	To create a Backup copy of:
^LEX	Lexical Files
^LEXT	Lexicon Subset Definitions and User Defaults
^ICD9	ICD DIAGNOSIS File
^ICD0	ICD OPERATION/PROCEDURE File

2.4.10 Place TaskMan in a Wait State for the Installation

TaskMan must remain running but in a WAIT state for the duration of the KIDS installation. Once the install is complete, restore TaskMan by removing TaskMan from a WAIT state.

2.4.11 Load Data from Global Host File

Install the data from the global host file ICD_18_57.GBL. This file contains the Lexicon Utility's import global ^LEXM. This global is approximately 1.4 gigabytes in size. Make sure there is sufficient space available to load this global with journaling on. The loading of the global should take from 25 to 50 minutes. From the Programmer prompt, execute the following routine:

```
>D ^%GI

Global input

Device: VA5$:[ANONYMOUS.SOFTWARE]ICD_18_57.GBL
Parameters? "RS" =>
Globals were saved on 17 Jan 2014   3:32 PM   Cache
with description: ICD*18.0*57/LEX*2.0*80 Data

Input option: A
^LEXM
```

2.4.12 Environment

Set up user and IO variables (D ^XUP) for programmer access. Verify that DUZ, DUZ("AG"), DT, DTIME, and U are defined and that DUZ(0)="@".

2.4.13 Distribution Load:

Load the KIDS Distribution from the host file ICD_18_57.KID. This KIDS file is a multi-package distribution file that contains the following KIDS builds with the specified install order:

Install Order	KIDS Build
1	ICD*18.0*57
2	LEX*2.0*80

Environment Check:

This distribution has an "all or nothing" environment check. The environment check routines for both builds must pass for the install to continue. Required key elements are:

Code Set Versioning (CSV)	2003
Code Text Descriptors (CTD)	2004
Query Options (LEXQ)	2009
Latest DRG Grouper Updates and Fixes	2011
Latest Code Set Updates	2013

2.4.14 RECOMMENDATION: Users may be on the system up to this point

To limit the down time, it is recommended that all steps up to this point, including the backup preparation, global backup, global load, environment setup and the KIDS distribution load be done with users on the system. Users must be taken off the system at this point. Applications, particularly clinical and fiscal applications that use the ICD Diagnosis and Procedure, could encounter significant errors if exercised during the install.

2.4.15 Inhibit Logons during the KIDS Installation

During the KIDS install when asked "Want KIDS to INHIBIT LOGONs during the install?" make sure to respond with "Yes".

2.4.16 Installation will temporarily delete files 80 and 80.1

This install will completely delete the data dictionaries and data for both the ICD DIAGNOSIS file #80 and the ICD OPERATION/PROCEDURE file #80.1.

2.4.17 KIDS Installation

Install the patch using the KIDS Installation Menu action "Install Package(s)" and the install name ICD*18.0*57.

During the environment check, you will be asked if you wish to continue. If the account is not mapped to another namespace, or if the account is mapped to another namespace but that namespace is also scheduled to receive this patch, then respond 'YES' to the prompt "Do you wish to continue?"

The environment check will run a checksum on the incoming data to ensure that the data file received via FTP and loaded is identical to the distribution data. This checksum will run about 5-20 minutes depending on your system.

Installation questions:

Respond **"Yes"** at the "Want KIDS to Rebuild Menu Trees upon Completion of Install?" prompt.

Respond **"Yes"** at the "Want KIDS to INHIBIT LOGONs during the install?" prompt.

Respond **"NO"** at the "Want to DISABLE Scheduled Options, Menu Options, and Protocols?" prompt.

The KIDS install should take from 13 – 125 minutes.

2.4.18 Post-installation Cleanup

The Environment Check routines ICD1857 and LEX2080 and the Post-Install routines ICD1857P, LEX2080A, LEX2080B, LEX2080C, and LEX2080P should be deleted using the KERNEL option 'Delete Routines' [XTRDEL] upon completion of the installation.

2.4.19 Restore TaskMan from the Wait State

Restore TaskMan by removing TaskMan from a WAIT state.

3 APPENDIX A – Captured Install

3.1 Load Export Global ^LEXM

```
>D ^%GI
```

Global input

```
Device: VA5$:[ANONYMOUS.SOFTWARE]ICD_18_57.GBL
Parameters? "RS" =>
Globals were saved on 17 Jan 2014    3:32 PM    Cache
with description: ICD*18.0*57/LEX*2.0*80 Data
```

```
Input option: A
^LEXM
```

Captured Times:

```
Start:    04/19/2014 15:08:35
Finish:   04/19/2014 15:33:31
Elapsed:  00:24:56
```

3.2 Load KIDS Distribution

```
Select Installation Option: Load a Distribution
Enter a Host File: VA5$:[BETA]ICD_18_57.KID
```

```
KIDS Distribution saved on Apr 18, 2014@18:29:04
Comment: ICD*18.0*57/LEX*2.0*80 Install
```

```
This Distribution contains Transport Globals for the following Package(s):
    ICD*18.0*57
    LEX*2.0*80
Distribution OK!
```

```
Want to Continue with Load? YES//
Loading Distribution...
```

```
Build ICD*18.0*57 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
    ICD*18.0*57
```

```
Will first run the Environment Check Routine, ICD1857
```

```
Checking for ICD Version installations
```

```
ICD 18.0 installed 10/20/2000
```

```
Checking for Released
ICD*18.0*6    09/24/2003    Installed 09/29/2003    CSV
ICD*18.0*12   10/08/2004    Installed 10/11/2004    CTD
ICD*18.0*15   06/09/2005    Installed 06/13/2005    Legacy APIs
ICD*18.0*29   11/15/2007    Installed 11/19/2007    Legacy APIs
LEX*2.0*81    02/14/2012    Installed 02/14/2012    Fix Cross-Reference
```

PSO*7.0*404	08/14/2012	Installed	01/28/2013	Global Read of ICD files
ONC*2.11*56	09/27/2012	Installed	01/28/2013	Global Read of ICD files
RA*5.0*112	04/17/2013	Installed	04/24/2013	Global Read of ICD files
ICD*18.0*62	05/01/2013	Installed	02/13/2013	DRG Grouper Fixes
GMPL*2.0*43	05/14/2013	Installed	05/15/2013	Global Read of ICD files
TIU*1.0*267	05/14/2013	Installed	05/15/2013	Global Read of ICD files
ICD*18.0*69	06/21/2013	Installed	06/22/2013	DRG Grouper Fixes
DG*5.3*870	07/15/2013	Installed	07/17/2013	Global Read of ICD files
IBD*3.0*64	09/03/2013	Installed	07/19/2013	Global Read of ICD files
LR*5.2*429	09/18/2013	Installed	10/24/2013	Global Read of ICD files
ACKQ*3.0*22	12/12/2013	Installed	12/19/2013	Global Read of ICD files
LEX*2.0*94	01/14/2014	Installed	01/23/2014	FY14 2nd Qtr Update

Checking DEVCUR ICD Data Dictionary/Global/Data Status:

Data Dictionary:

Remnants of the legacy ICD Data Dictionary found
ICD-9/ICD-10 Data Dictionary does not exist

Global:

Global Name	#	Root	Patched	Updated
ICD DIAGNOSIS	80	^ICD9(	ICD*18.0*66	10/01/2012
ICD OPERATION/PROCEDURE	80.1	^ICD0(	ICD*18.0*73	10/01/2013

Data:

Data Type	Legacy ICD-9 Data Format	Updated ICD-10 Data Format
ICD Diagnosis Data	Yes	No
ICD Procedure Data	Yes	No

WARNING WARNING WARNING WARNING WARNING WARNING WARNING

```

* * * * *
*
* This Install will delete both the ICD-9 Data Dictionary and data in
* files #80 and #80.1. It will then install a new Data Dictionary
* for files #80 and #80.1. The new Data Dictionary will accommodate
* both the ICD-9 and ICD-10 coding systems. The new data will be
* installed by the accompanying Lexicon patch LEX*2.0*80. These
* changes will affect this namespace and any other namespace that
* the ^ICD9 and ^ICD0 globals are mapped to. If your current
* namespace is mapped to another namespace, make sure the other
* namespace is also scheduled to be updated by this patch before
* continuing.
*
* * * * *

```

Do you wish to continue? (Y/N) YES

Environment for patch/build ICD*18.0*57 is ok

LEX*2.0*80

Will first run the Environment Check Routine, LEX2080

Checking for	Released		
LEX*2.0*25	09/24/2003	Installed	09/29/2003 CSV
LEX*2.0*30	10/08/2004	Installed	10/11/2004 CTD

LEX*2.0*62	05/06/2009	Installed	05/11/2009	Queries
LEX*2.0*81	02/14/2012	Installed	02/14/2012	Fix Cross-Reference
PSO*7.0*404	08/14/2012	Installed	01/28/2013	Global Read of ICD files
ONC*2.11*56	09/27/2012	Installed	01/28/2013	Global Read of ICD files
RA*5.0*112	04/17/2013	Installed	04/24/2013	Global Read of ICD files
ICD*18.0*62	05/01/2013	Installed	02/13/2013	DRG Grouper Fixes
GMPL*2.0*43	05/14/2013	Installed	05/15/2013	Global Read of ICD files
TIU*1.0*267	05/14/2013	Installed	05/15/2013	Global Read of ICD files
ICD*18.0*69	06/21/2013	Installed	06/22/2013	DRG Grouper Fixes
DG*5.3*870	07/15/2013	Installed	07/17/2013	Global Read of ICD files
IBD*3.0*64	09/03/2013	Installed	07/19/2013	Global Read of ICD files
LR*5.2*429	09/18/2013	Installed	10/24/2013	Global Read of ICD files
ACKQ*3.0*22	12/12/2013	Installed	12/19/2013	Global Read of ICD files
LEX*2.0*94	01/14/2014	Installed	01/23/2014	FY14 2nd Qtr Update

Environment for patch/build LEX*2.0*80 is ok

Use INSTALL NAME: ICD*18.0*57 to install this Distribution.

Captured Times:

Start: 04/19/2014 11:53:40
 Finish: 04/19/2014 11:53:51
 Elapsed: 00:00:11

3.3 Install KIDS Distribution

Select Installation Option: Install Package(s)

Select INSTALL NAME: ICD*18.0*57 4/19/14@11:53:44

=> ICD*18.0*57/LEX*2.0*80 Install ;Created on Apr 18, 2014@18:29:04

This Distribution was loaded on Apr 19, 2014@11:53:44 with header of

ICD*18.0*57/LEX*2.0*80 Install ;Created on Apr 18, 2014@18:29:04

It consisted of the following Install(s):

ICD*18.0*57 LEX*2.0*80

Checking Install for Package ICD*18.0*57

Will first run the Environment Check Routine, ICD1857

Checking for ICD Version installations

ICD 18.0 installed 10/20/2000

Checking for Released

ICD*18.0*6	09/24/2003	Installed	09/29/2003	CSV
ICD*18.0*12	10/08/2004	Installed	10/11/2004	CTD
ICD*18.0*15	06/09/2005	Installed	06/13/2005	Legacy APIs
ICD*18.0*29	11/15/2007	Installed	11/19/2007	Legacy APIs
LEX*2.0*81	02/14/2012	Installed	02/14/2012	Fix Cross-Reference
PSO*7.0*404	08/14/2012	Installed	01/28/2013	Global Read of ICD files
ONC*2.11*56	09/27/2012	Installed	01/28/2013	Global Read of ICD files
RA*5.0*112	04/17/2013	Installed	04/24/2013	Global Read of ICD files
ICD*18.0*62	05/01/2013	Installed	02/13/2013	DRG Grouper Fixes
GMPL*2.0*43	05/14/2013	Installed	05/15/2013	Global Read of ICD files
TIU*1.0*267	05/14/2013	Installed	05/15/2013	Global Read of ICD files
ICD*18.0*69	06/21/2013	Installed	06/22/2013	DRG Grouper Fixes
DG*5.3*870	07/15/2013	Installed	07/17/2013	Global Read of ICD files
IBD*3.0*64	09/03/2013	Installed	07/19/2013	Global Read of ICD files

```

LR*5.2*429      09/18/2013   Installed 10/24/2013   Global Read of ICD files
ACKQ*3.0*22     12/12/2013   Installed 12/19/2013   Global Read of ICD files
LEX*2.0*94      01/14/2014   Installed 01/23/2014   FY14 2nd Qtr Update

```

Checking DEVCUR ICD Data Dictionary/Global/Data Status:

Data Dictionary:

Remnants of the legacy ICD Data Dictionary found
 ICD-9/ICD-10 Data Dictionary does not exist

Global:

Global Name	#	Root	Patched	Updated
ICD DIAGNOSIS	80	^ICD9(	ICD*18.0*66	10/01/2012
ICD OPERATION/PROCEDURE	80.1	^ICD0(	ICD*18.0*73	10/01/2013

Data:

	Legacy ICD-9	Updated ICD-10
Data Type	Data Format	Data Format
ICD Diagnosis Data	Yes	No
ICD Procedure Data	Yes	No

WARNING WARNING WARNING WARNING WARNING WARNING WARNING

```

* * * * *
*
* This Install will delete both the ICD-9 Data Dictionary and data in
* files #80 and #80.1. It will then install a new Data Dictionary
* for files #80 and #80.1. The new Data Dictionary will accommodate
* both the ICD-9 and ICD-10 coding systems. The new data will be
* installed by the accompanying Lexicon patch LEX*2.0*80. These
* changes will affect this namespace and any other namespace that
* the ^ICD9 and ^ICD0 globals are mapped to. If your current
* namespace is mapped to another namespace, make sure the other
* namespace is also scheduled to be updated by this patch before
* continuing.
*
* * * * *

```

Do you wish to continue? (Y/N) YES

Environment for patch/build ICD*18.0*57 is ok

Install Questions for ICD*18.0*57

Incoming Files:

80 ICD DIAGNOSIS
 Note: You already have the 'ICD DIAGNOSIS' File.

80.1 ICD OPERATION/PROCEDURE
 Note: You already have the 'ICD OPERATION/PROCEDURE' File.

80.4 ICD CODING SYSTEMS (including data)

82 DRG DIAGNOSIS IDENTIFIER CODES (including data)

82.1 DRG PROCEDURE IDENTIFIER CODES (including data)

82.13 DRG CC EXCLUSIONS

Checking Install for Package LEX*2.0*80

Will first run the Environment Check Routine, LEX2080

Checking for	Released		
LEX*2.0*25	09/24/2003	Installed 09/29/2003	CSV
LEX*2.0*30	10/08/2004	Installed 10/11/2004	CTD
LEX*2.0*62	05/06/2009	Installed 05/11/2009	Queries
LEX*2.0*81	02/14/2012	Installed 02/14/2012	Fix Cross-Reference
PSO*7.0*404	08/14/2012	Installed 01/28/2013	Global Read of ICD files
ONC*2.11*56	09/27/2012	Installed 01/28/2013	Global Read of ICD files
RA*5.0*112	04/17/2013	Installed 04/24/2013	Global Read of ICD files
ICD*18.0*62	05/01/2013	Installed 02/13/2013	DRG Grouper Fixes
GMPL*2.0*43	05/14/2013	Installed 05/15/2013	Global Read of ICD files
TIU*1.0*267	05/14/2013	Installed 05/15/2013	Global Read of ICD files
ICD*18.0*69	06/21/2013	Installed 06/22/2013	DRG Grouper Fixes
DG*5.3*870	07/15/2013	Installed 07/17/2013	Global Read of ICD files
IBD*3.0*64	09/03/2013	Installed 07/19/2013	Global Read of ICD files
LR*5.2*429	09/18/2013	Installed 10/24/2013	Global Read of ICD files
ACKQ*3.0*22	12/12/2013	Installed 12/19/2013	Global Read of ICD files
LEX*2.0*94	01/14/2014	Installed 01/23/2014	FY14 2nd Qtr Update

I will now check the protection on ^LEX, ^ICD9 and ^ICD0 Globals.
If you get an ERROR, you will need to change the protection on
these globals to allow read/write as indicated:

	Owner	Group	World	Network
Cache systems	RWD	RW	RW	RWD

Checking:

^LEX(*)	Lexicon	757-757.41
^ICD9(	ICD Diagnosis	80
^ICD0(	ICD Operation/Procedure	80.1
--> ok		

Running checksum routine on the ^LEXM import global, please wait
.....

Checksum is ok

Environment for patch/build LEX*2.0*80 is ok

Install Questions for LEX*2.0*80

Incoming Files:

757.02 CODES
Note: You already have the 'CODES' File.

757.03 CODING SYSTEMS
Note: You already have the 'CODING SYSTEMS' File.

757.033 CHARACTER POSITIONS

757.31 DISPLAYS (including data)
Note: You already have the 'DISPLAYS' File.
I will OVERWRITE your data with mine.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//

Want KIDS to INHIBIT LOGONs during the install? NO// YES

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
Enter a '^' to abort the install.

DEVICE: HOME// ;P-OTHER HOME

Install Started for ICD*18.0*57 :
Apr 19, 2014@12:17:14

Build Distribution Date: Apr 18, 2014

Installing Routines:.....
Apr 19, 2014@12:17:15

Running Pre-Install Routine: PRE^ICD1857P.

Deleting the Data Dictionary and Data for:
ICD DIAGNOSIS file #80 done
ICD OPERATION/PROCEDURE file #80.1 done

Installing Data Dictionaries:
Apr 19, 2014@12:17:20

Installing Data:
Apr 19, 2014@12:17:22

Running Post-Install Routine: POST^ICD1857P.

Updating ICD files
ICD DIAGNOSIS file #80
ICD OPERATION/PROCEDURE file #80.1

Updating Routine file.....

Updating KIDS files.....

ICD*18.0*57 Installed.
Apr 19, 2014@12:17:22

Not a production UCI

NO Install Message sent

Install Started for LEX*2.0*80 :
Apr 19, 2014@12:17:22

Build Distribution Date: Apr 18, 2014

Installing
Routines:.....
.....
Apr 19, 2014@12:17:25

Installing Data Dictionaries:
Apr 19, 2014@12:17:25

Installing Data:
Apr 19, 2014@12:17:25

Installing PACKAGE COMPONENTS:

Installing OPTION.....
Apr 19, 2014@12:17:25

Running Post-Install Routine: POST^LEX2080P.

Updating ICD displays to include ICD-10

Installing Data for patch LEX*2.0*80

Updating files using export global created Jan 17, 2014 at 08:47:28

Updating ICD-9-CM with patch/build ICD*18.0*57
To version 18.0 revision 57 dated Oct 01, 2014

ICD Diagnosis File	80
.....	
ICD Operation/procedure File	80.1
.....	
ICD Coding Systems File	80.4
.....	

Updating Lexicon with patch/build LEX*2.0*80
To version 2.0 revision 80 dated Oct 01, 2014

Major Concept Map File	757
.....	
Concept Usage File	757.001
.....	
Expressions File	757.01
.....	
Codes File	757.02
.....	
Coding Systems File	757.03
.....	
Character Positions File	757.033
.....	
Excluded Words File	757.04
.....	
Replacement Words File	757.05
.....	
Semantic Map File	757.1
.....	
Subset Definitions File	757.2
.....	
Subsets File	757.21
.....	
Look-up Screens File	757.3
.....	
Displays File	757.31
.....	

Data Update: Installation of data completed successfully

Started: Apr 19, 2014 12:17:25
Finished: Apr 19, 2014 13:27:26
Elapsed: 01:10:01

Post-Install Summary
Queued Task #1812290

Checking DEVCUR ICD Data Dictionary/Global/Data Status:

Data Dictionary:

Legacy ICD Data Dictionary does not exist
ICD Data Dictionary updates for ICD-10 found
Lexicon Data Dictionary updates for ICD-10 found

Global:

Global Name	File #	Patched	Effective
ICD DIAGNOSIS	80	ICD*18.0*57	10/01/2014
ICD OPERATION/PROCEDURE	80.1	ICD*18.0*57	10/01/2014
ICD CODING SYSTEMS	80.4	ICD*18.0*57	10/01/2014
MAJOR CONCEPT MAP	757	LEX*2.0*80	10/01/2014
CONCEPT USAGE	757.001	LEX*2.0*80	10/01/2014
EXPRESSIONS	757.01	LEX*2.0*80	10/01/2014
CODES	757.02	LEX*2.0*80	10/01/2014
CODING SYSTEMS	757.03	LEX*2.0*80	10/01/2014
CHARACTER POSITIONS	757.033	LEX*2.0*80	10/01/2014
SEMANTIC MAP	757.1	LEX*2.0*80	10/01/2014
LOOK-UP SCREENS	757.3	LEX*2.0*80	10/01/2014
DISPLAYS	757.31	LEX*2.0*80	10/01/2014

Data:

	Legacy ICD-9	Updated ICD-10
Coding System Data	Data Format	Data Format
ICD Diagnosis Data	No	Yes
ICD Procedure Data	No	Yes
Lexicon Data	ICD-9	ICD-10
ICD Diagnosis	Yes	Yes
ICD Procedures	Yes	Yes

Repair indexes in files #757.01/757.21 tasked (#1812292)

Updating Routine file.....

Updating KIDS files.....

LEX*2.0*80 Installed.
Apr 19, 2014@13:31:37

Not a production UCI

NO Install Message sent

Call MENU rebuild

Starting Menu Rebuild: Apr 19, 2014@13:31:39

Collecting primary menus in the New Person file...

Primary menus found in the New Person file

OPTION NAME	MENU TEXT	# OF USERS	LAST USED	LAST BUILT
EVE	Systems Manager Menu	188	03/15/14	03/11/14
XUPROG	Programmer Options	3	03/12/14	03/11/14
XUCORE	Core Applications	5	09/15/06	03/11/14
LRMENU	Laboratory DHCP Menu	1		03/11/14
PSO MANAGER	Outpatient Pharmacy Manager	1	07/21/00	03/11/14
XMUSER	MailMan Menu	5	12/27/98	03/11/14
ORMGR	CPRS Manager Menu	26	08/06/13	03/11/14
OR MAIN MENU NURSE	Nurse Menu	1	04/19/07	03/11/14
TIU MAIN MENU MRT	Text Integration Utilitie...	2	02/11/14	03/11/14
TIU MAIN MENU MGR	Text Integration Utilitie...	1	10/19/09	03/11/14
PXRM MANAGERS MENU	Reminder Managers Menu	1	01/24/09	03/11/14
ZZANALYST	Analyst Menu	1	04/18/07	03/11/14
EVE + VPE	EVE Menu Plus VPE Options	1	06/04/04	03/11/14

Building secondary menu trees....

Merging.... done.

Menu Rebuild Complete: Apr 19, 2014@13:31:52

Captured Times:

Start: 04/19/2014 12:01:09
Finish: 04/19/2014 13:31:54
Elapsed: 01:30:45

3.4 Post-Install Message (example)

Subj: LEX*2.0*80 Installation [#450428] 04/19/14@13:30 16 lines
From: POSTMASTER In 'IN' basket. Page 1 *New*

ICD-10 Implementation

=====

As of: Apr 19, 2014 13:30:17
In Account: [VHA,ROU] (Production)
Maint By: Anonymous, User (555) 555-5555
Build: LEX*2.0*80
Host File: ICD_18_57.GBL

Started: Apr 19, 2014 12:17:25
Finished: Apr 19, 2014 13:30:17
Elapsed: 01:12:52

Data: Installation of data completed successfully

3.5 Cross-Reference Repair Message (example)

NOTE: Re-Indexing times and totals may vary.

Subj: Repair Major Word Indexes [#450430] 04/19/14@14:50 19 lines
 From: POSTMASTER In 'IN' basket. Page 1 *New*

Re-Index Repair	Date	Start	Finish	Elapsed
Build 'AWRD' Word Index	04/19/2014	13:30:21	13:56:20	00:25:59
Replace 'AWRD' Word Index	" "	13:56:20	14:00:49	00:04:29
133991 Words				
4568491 'AWRD' Index Nodes				
Build 'ASL' String Length Index	" "	14:00:49	14:12:27	00:11:38
Replace 'ASL' String Length Index	" "	14:12:27	14:13:20	00:00:53
472681 'ASL' Index Nodes				
Expression Indexes	" "	13:30:21	14:13:21	00:43:00
Build 'ASUB' Word Index	" "	14:13:21	14:46:36	00:33:15
Replace 'ASUB' Word Index	" "	14:46:36	14:50:23	00:03:47
45 Subsets				
220316 Words				
4701056 Subset Index Nodes				
Subset Indexes	" "	14:13:21	14:50:24	00:37:03
Total Time to Repair Indexes	04/19/2014	13:30:21	14:50:24	01:20:03

4 APPENDIX B – Checksums

4.1 Multi-Package Distribution Routine Summary

4.1.1 ICD*18.0*57 Checksums

The second line of each of these routines will look like:

```
<tab>;;18.0;DRG Grouper;**[PATCH LIST]**;Oct 20, 2000
```

Routine	Checksums Before Patch	Checksums After Patch	Patch List (2nd Line)
ICD1857	<Env Chk>	176584453	57
ICD1857P	<Pre/Post>	10496780	57
ICD0IDX	11419052	<Deleted>	
ICD9IDX	11648583	<Deleted>	
ICDAPIU	36736755	1779997	6,11,12,15,57
ICDCOD	5243995	5702581	7,57
ICDCODE	75863718	17241457	6,12,14,29,57
ICDDIC	<new>	40496787	57
ICDDICA	<new>	99850836	57
ICDDRG	27872352	34375895	2,7,10,14,20,31,37,57
ICDDRGM	25118508	31028651	7,36,57
ICDEX	<new>	73946334	57
ICDEXA	<new>	28447306	57
ICDEXA2	<new>	66742760	57
ICDEXA3	<new>	159565550	57
ICDEXC	<new>	108523477	57
ICDEXC2	<new>	74960854	57
ICDEXC3	<new>	75483213	57
ICDEXC4	<new>	11534357	57
ICDEXD	<new>	28893974	57
ICDEXD2	<new>	91571446	57
ICDEXD3	<new>	14191421	57
ICDEXD4	<new>	78522708	57
ICDEXD5	<new>	63389361	57
ICDEXH	<new>	89157219	57
ICDEXLK	<new>	199827276	57
ICDEXLK2	<new>	168472768	57
ICDEXLK3	<new>	98024730	57
ICDEXLK4	<new>	25896513	57
ICDEXLK5	<new>	75373289	57
ICDEXLK6	<new>	83204817	57
ICDEXS	<new>	149154345	57
ICDEXS2	<new>	4261248	57
ICDGTDRG	50975145	3954114	7,12,14,17,57
ICDID	14387573	42005252	12,15,57
ICDIDX	<new>	81806882	57
ICDIDX2	<new>	39101671	57
ICDREF	1396078	499599	14,17,57
ICDSAPI	<new>	3564588	57

ICDSUPT	4162240	4754457	6,57
ICDTOKN	<new>	33213278	57
ICDXCODE	<new>	7083997	57

4.1.2 LEX*2.0*80 Checksums

The second line of each of these routines will look like:

```
<tab>;;2.0;<package name>;**[PATCH LIST]**;Sep 23, 1996
```

Routine	Checksums Before Patch	Checksums After Patch	Patch List (2nd Line)
-----	-----	-----	-----
LEX2080	<Env Chk>	184435059	80
LEX2080P	<Post-Ins>	91320913	80
LEX10CS	<new>	72383021	80
LEX10CS2	<new>	50802408	80
LEX10CX	<new>	90915734	80
LEX10CX2	<new>	27454248	80
LEX10CX3	<new>	97828924	80
LEX10CX4	<new>	37820297	80
LEX10CX5	<new>	45896269	80
LEX10DBC	<new>	9636063	80
LEX10DBR	<new>	8889238	80
LEX10DBT	<new>	9014801	80
LEX10DL	<new>	57481356	80
LEX10DLS	<new>	50742305	80
LEX10DU	<new>	116539995	80
LEX10DX	<new>	28706888	80
LEX10PL	<new>	120447479	80
LEX10PLA	<new>	39916196	80
LEX10PLS	<new>	85504731	80
LEX10PR	<new>	47282338	80
LEX10TAX	<new>	83701759	80
LEX2080A	<new>	57341845	80
LEX2080B	<new>	59256107	80
LEX2080C	<new>	58859352	80
LEXA	44698793	53072237	3,4,6,19,25,36,38,43,55,73,80
LEXA1	38731910	69671285	3,4,6,11,15,38,55,73,80
LEXA2	535269	597135	38,80
LEXA3	15059941	15059941	1,4,80
LEXA4	21030061	22480783	3,6,15,80
LEXAB	9544212	10463880	25,80
LEXABC	46217187	68137439	4,25,26,29,38,73,51,80
LEXABC2	25816397	25634318	4,80
LEXAFIL	205120	201610	80
LEXAL	37971689	72078379	6,55,80
LEXAL2	12928118	14217830	80
LEXALK	22806965	35871965	2,3,6,25,51,80
LEXAM	15878015	18114833	80
LEXAMD	24549577	28007514	6,25,80
LEXAMD2	2872185	2872185	6,80
LEXAR	17442980	18722296	3,19,25,55,80

LEXAR2	1018662	1200564	80
LEXAR3	38300154	79678965	73, 80
LEXAR4	9905737	10464362	4, 5, 6, 25, 55, 80
LEXAR5	25152319	56192093	14, 25, 26, 38, 55, 73, 80
LEXAR6	33720085	38407694	3, 9, 11, 80
LEXAR7	17047262	18786524	9, 25, 73, 80
LEXAS	6614534	6614534	4, 80
LEXAS2	10917713	11730023	80
LEXAS3	4196429	4196429	80
LEXAS4	8439698	8439698	80
LEXAS5	14441583	15308783	80
LEXAS6	6676230	6676230	41, 80
LEXAS7	18643877	18643877	80
LEXASC	6679811	7966749	25, 80
LEXASO	16929355	18758787	25, 32, 73, 80
LEXCODE	38198808	71456026	25, 73, 80
LEXDCC	4957812	5534473	80
LEXDCCC	8352647	8993729	80
LEXDCCS	12310875	13152111	80
LEXDCX	4372991	4881405	80
LEXDCXS	20695673	21843767	80
LEXDD1	22014117	25092584	80
LEXDD2	3129195	3584925	80
LEXDD3	947330	1122704	80
LEXDD4	14098487	13932965	80
LEXDDS	2093495	2531478	80
LEXDDSD	8702123	9566423	80
LEXDDSP	14491280	15948891	80
LEXDDSS	2858762	3222865	80
LEXDDT1	5416359	5978859	80
LEXDDT2	4317509	4823705	80
LEXDDTC	1554828	1795542	80
LEXDDTD	1846548	2129676	80
LEXDDTF	13760824	14904532	80
LEXDDTV	3335880	3758286	80
LEXDFL	4960220	5442174	80
LEXDFLC	795201	911217	80
LEXDFLS	14832359	15732119	80
LEXDFLT	2054932	2257084	80
LEXDFN	15697638	17432462	6, 80
LEXDFN2	10551696	11535780	80
LEXDFSB	3384984	3384984	80
LEXDFSE	11756941	12795665	80
LEXDFSI	9333756	9975036	80
LEXDFSO	6471992	7103084	80
LEXDFSS	18377628	19790328	80
LEXDFST	6173810	6779396	80
LEXDM	14264609	15365543	81, 80
LEXDM2	12707166	14152696	80
LEXDM3	2911195	3366699	80
LEXDM4	30212363	31719160	4, 80
LEXDMG	10098170	10875914	80
LEXDMGO	5510946	6104772	80
LEXDMGS	<new>	7121139	80

LEXDMGT	13311302	14879684	80
LEXDMGU	19106674	17558143	80
LEXDMGV	12206347	10768836	80
LEXDSV	5732630	6361439	80
LEXDVO	4237055	4750248	80
LEXDVOS	13847911	14773585	80
LEXEDF1	14571584	16274240	3, 25, 80
LEXEDF2	21442230	23335121	80
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LEXNDX3	9214968	10557269	80
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LEXQCPA	9847253	9841880	62, 80
LEXQH	19745844	20466600	62, 80
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LEXQID	46340703	59190420	62, 73, 80

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LEXQIP3	28550330	28040002	62, 73, 80
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LEXRXD4	78250103	78250103	81, 80
LEXRXE	59805790	60291807	81, 80
LEXRXF	89637737	90798435	81, 80
LEXRXG	75572745	76130411	81, 80
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LEXRXXS	124182348	125584554	81, 80
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LEXSET3	12976280	12976280	6, 80
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LEXXFI4	23614617	23615408	32, 80
LEXXFI6	7377365	7378156	32, 80
LEXXFI7	41558940	40222921	32, 49, 80
LEXXFI8	38145534	39455696	32, 80
LEXXFQ	15590093	17747138	4, 25, 73, 80
LEXXGI	41415628	55219661	4, 25, 26, 27, 28, 29, 46, 49, 50, 41, 59, 73, 80
LEXXGI2	66127456	66453808	25, 26, 28, 29, 46, 49, 50, 73, 80
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