



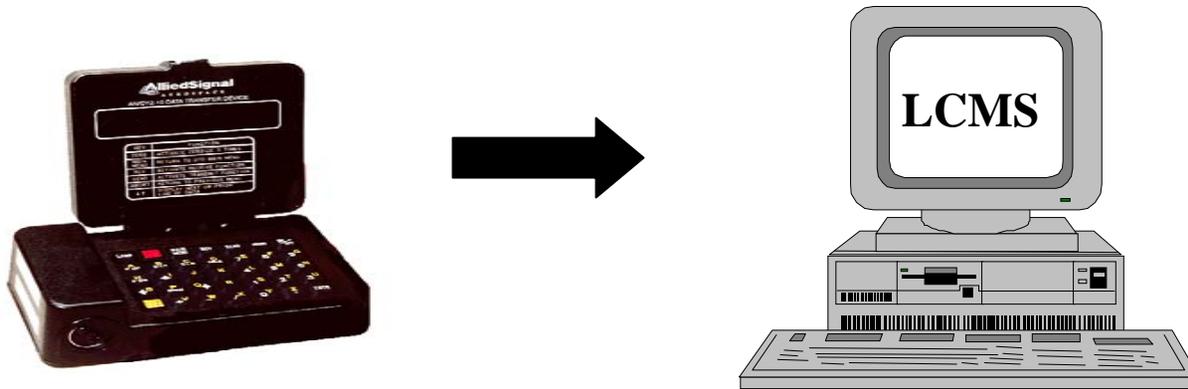
AlliedSignal
ARROSPACE
AN/CYZ-10 DATA TRANSFER DEVICE

KEY	FUNCTION
ZERO	ACTIVATE ZEROIZE 3 TIMES
MAIN MENU	RETURN TO DTD MAIN MENU
RCV	ACTIVATE RECEIVE FUNCTION
SEND	ACTIVATE TRANSMIT FUNCTION
ABORT	RETURN TO PREVIOUS MENU
↑ ↓	DISPLAY NEXT OR PRIOR LINE OF DATA

DTD CIK SPLITS

DTD/LCMS CIK SPLITS PROCEDURES

The “**Ldcik**” (Loading CIK Splits) Capability of the DTD and LCMS Provides the Capability to Duplicate LKEK/SKEK Information on DTD CIKS.



DTD/LCMS CIK SPLITS PROCEDURES

What is DTD CIK Splits ??

- ★ DTD CIK Splits Uses the LMD/KP To Generate Local Key Encryption Key (LKEK) or Storage Key Encryption Key (SKEK) For Loading onto a DTD and Associated CIK.

Why Would I Want to Do That ??

- ★ CIK Splits Allows the EKMS Manager to Build Multiple CIKS (Supervisor and User) Loaded With the Same LKEK/SKEK.

DTD/LCMS CIK SPLITS PROCEDURES

ADVANTAGES

- ★ Any CIK (Supervisor or User) with the same LKEK/SKEK Can Access the Keys Encrypted in the COMSEC Database. E.G.,
- ★ A User Can Transport a DTD to and From the Parent Account Without a CIK.
- ★ More Than 1 User CIK Can Be Created With the Same LKEK/SKEK and Issued to a Remote Local Element to Eliminate Problems Experienced As the Result of CIK Dis-Association.

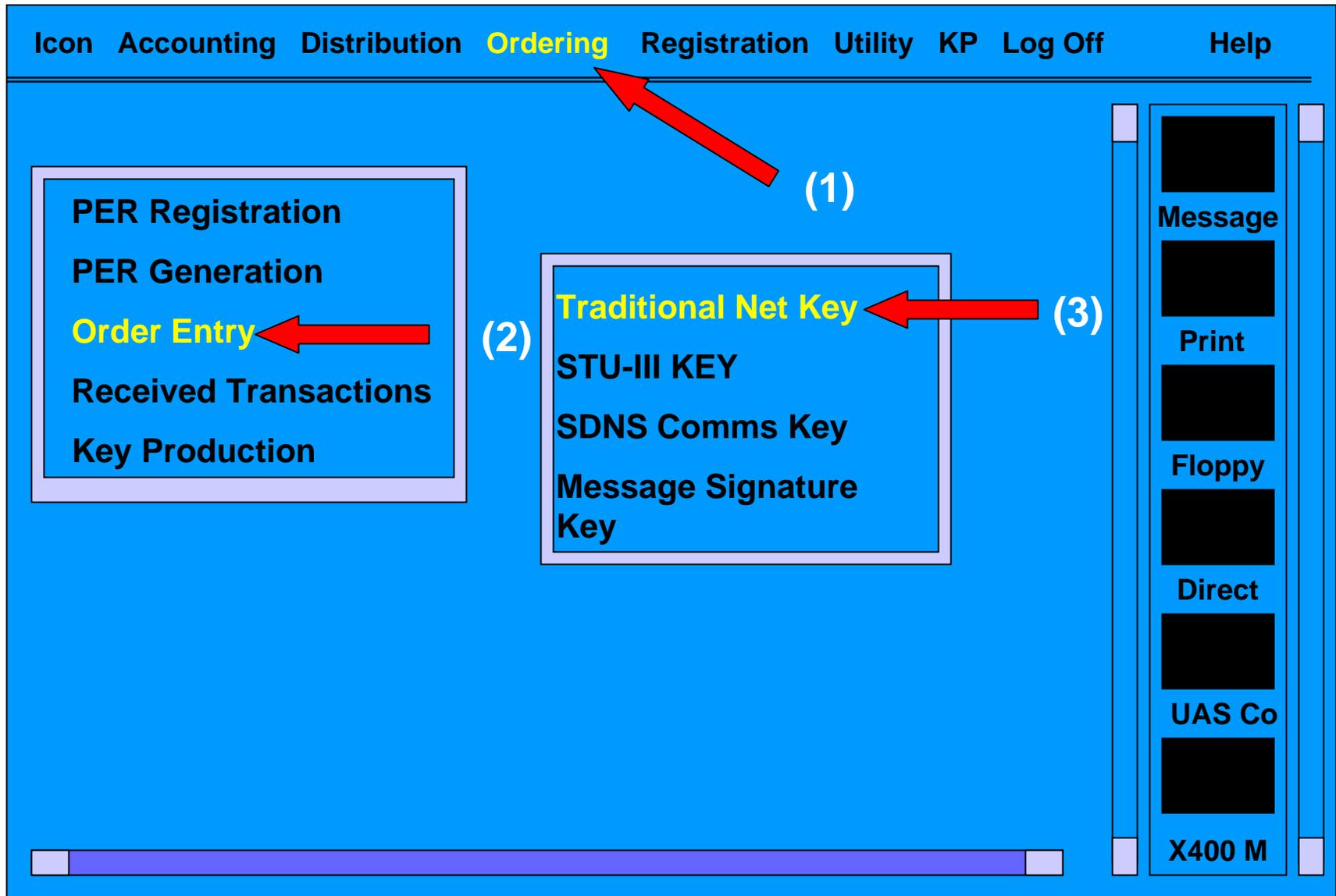
DTD/LCMS CIK SPLITS PROCEDURES

ADVANTAGES (Cont)

- ★ All DTDs in an Account Could Have the Same LKEK/SKEK.
- ★ One Supervisor CIK Could Support Multiple DTDs (Vice Making One Unique Supervisor CIK for Each DTD)
- ★ The CIK Splits Process Works Independently of the Def_CIK Function of the DTD.

DTD/LCMS CIK SPLITS UPLOAD PROCEDURES

From the LCMS Desktop Menu Bar:



DTD/LCMS CIK SPLITS UPLOAD PROCEDURES

From the Traditional Net Key Order Screen:

Traditional Net Key Order

Order Selection

Display All Sort Local ID

Local ID	Order Status	Transaction ID	Order Type	Short Title	Dest CF	Equipment Type
1	Confirmed	358150 19990601	1 AssnGen	USEAD 1 358150	No	CYZ10
2	Confirmed	358150 19990601	2 AssnGen	USEAD 2 358150	No	CYZ10
3	Confirmed	358150 19990601	3 AssnGen	USEAD 3 358150	No	CYZ10
4	Confirmed	358150 19990601	4 AssnGen	USEAD 4 358150	No	CYZ10

DTD/LCMS CIK SPLITS UPLOAD PROCEDURES

From the Order Pre-Selection Screen:

Traditional Net Key Order	
Order Pre-Selection	
Dest = Central Facility:	No <input type="checkbox"/>
Equipment Type:	CYZ10 ...
Desired Order Type:	AssnGen <input type="checkbox"/>
<input type="button" value="Select Order Pre-Selection"/>	
<input type="button" value="Cancel"/> <input type="button" value="Help"/>	

DTD/LCMS CIK SPLITS UPLOAD PROCEDURES

Traditional Net Key Order

Traditional Net Key Assignment Data Entry

Local ID: Overall Order Status:
Transaction ID: CF Order ID:
Order Type: AssnGen Equipment Type: CYZ10
Dest EKMS ID: 358150 ... Element name: Account H
Short Title:
Remarks: Account H DTD

Key Use: KEK ALC: 7
Key Purpose: Operational Classification: S
Handling Rest: No Restrictions Supersession Rate: 1 Year
Net Size: 1 Dist Control: Implicit
CryptoPeriod: 1 Year Authorized IDs: Y...
Segments/Edition: 1 Compact Short Titles: N...
Caveats: Y ...
Release: US ONLY

Create Order

Cancel

Help

DTD/LCMS CIK SPLITS UPLOAD PROCEDURES

Traditional Net Key Order

Traditional Net Key Assignment Data Entry

Local ID: Overall Order Status:
Transaction ID: CF Order ID:
Order Type: AssnGen Equipment Type: CYZ10
Dest EKMS ID: 358150 ... Element name: Account H
Short Title:
Remarks: Account H DTD

In Place Date: 19990615

Effective Date: 19990615

Standing Order: Y

Edition Info:

- ◇ Quantity: 1
- ◇ Editions First Last
- 1 1

Distribution Profile				
EKMS ID	Quantity	Line	Item	Status
358150	1			

EKMS ID: 358150 ... Quantity: 100

Add Modify Delete

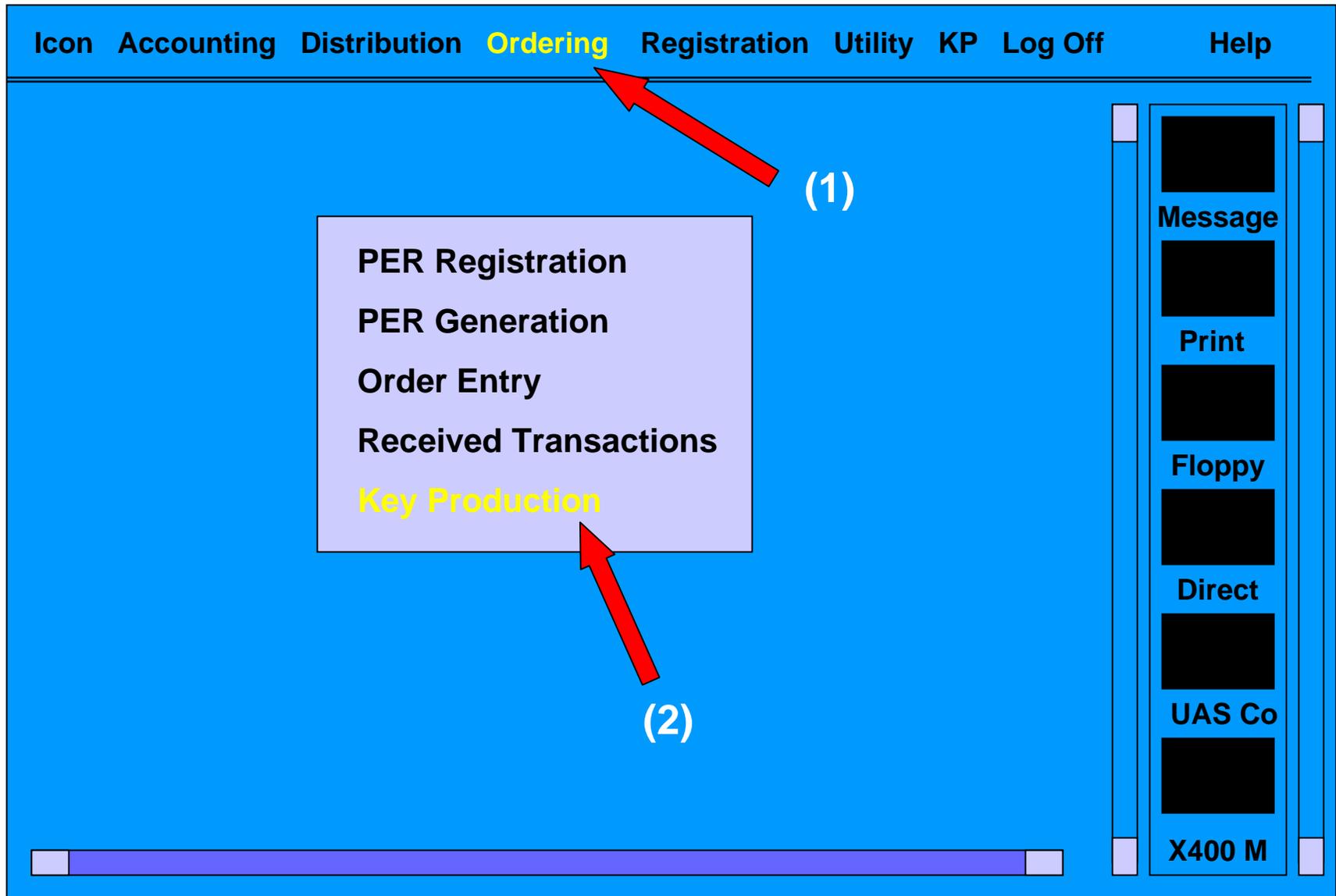
Create Order

Cancel

Help

DTD/LCMS CIK SPLITS UPLOAD PROCEDURES

From the LCMS Desktop Menu Bar:

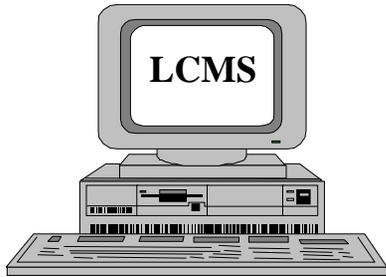


DTD/LCMS CIK SPLITS UPLOAD PROCEDURES

From the Key Production Screen:

Produce Key					
Key Selection					
Display	<input type="checkbox"/> All		Sort	<input type="checkbox"/> Short Title	
Short Title	Equipment Type	Key Use	Standing Order	Sch'd Prod Date	
USEAD 1 358150	CYZ10	TrKEK	Y	19990614	
USEAD 2 358150	CYZ10	KEK	Y	19990614	
USEAD 3 358150	KG84	TEK	Y	19990614	
USEAD 4 358150	CYZ10	TrKEK	Y	19990614	
<input type="button" value="Select All"/>		<input type="button" value="View Production Instructions"/>			
Keys to be Produced					
Short Title	Equipment Type	Key Use	Standing Order	Sch'd Prod Date	
USEAD 1 358150	CYZ10	TrKEK	Y	19990614	
<input type="button" value="Produce Key"/>		<input type="button" value="Suspend Processing"/>		<input type="button" value="Exit"/>	<input type="button" value="Help"/>

DTD/LCMS CIK SPLITS UPLOAD PROCEDURES



From the LCMS Desktop, Select:

Distribution, Device_Ops, Fill DTD Splits

LCMS Release 2.0.2.2 Operator:

Icon Accounting **Distribution** Ordering Registration Utility KP Log Off Help

Manual
Auto
Benign Fill
ReKey Equipment
Device_Ops
Effective Date
Emergency Supersession
Distribution Instructions
FIREFLY Credential Tool
Shipping Data Tool

Fill DTD CIK Splits

CIK Type : User

Supervisor

[CIK SLOT:]

[CIK Serial Num:] Yes

Overwrite CIK : No

[CIK SLOT:]

Short Title	Edition	Register #	Seg	Rg
USEAD 3	872805	A	000000000Q	001 001

OK

Cancel

Help

Printer

Floppy

Direct

UAS Co

X400 M

Fri May 04 1500Z

DTD/LCMS CIK SPLITS PROCEDURES



Starting at the
DTD Main
Menu:

Setup

More

Comm_Mode

Change Comm Mode

RS 101

Appl	Date	Time	Setup
Util	Bit		(MAIN)

Home_Addr	Serial#	Batt
More...	Keypad	{SETUP}

Auto_Off	Def_Cik	Program
Comm_Mode	Light	Files

Display Comm Mode
Change Comm Mode

Select New Comm Mode:	
RS 232	DS-101

DTD/LCMS CIK SPLITS PROCEDURES

After Connecting the DTD to the KP:



From the
Main Menu:

Util

clk

Ldcik

RCV

Appl Util	Date Bit	Time	Setup (MAIN)
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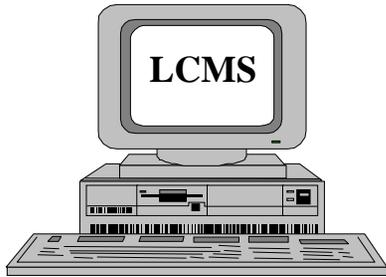
Audit clk	Load Ckdat	Erase Revno	Format More...
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Itcik	Ldcik	
		{CIK}

Connect to KP, then Press [RCV]

Waiting for connect Press [ABORT] to exit
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DTD/LCMS CIK SPLITS UPLOAD PROCEDURES



From the LCMS Desktop, Select:

Distribution, Device_Ops, Fill DTD Splits

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Icon Accounting **Distribution** Ordering Registration Utility KP Log Off Help

Manual
Auto
Benign Fill
ReKey Equipment
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OK

Cancel

Help

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Fri May 04 1500Z

DTD/LCMS CIK SPLITS PROCEDURES

★ As the Tier 2 Operator Loads the CIK SPLIT From the LMD/KP, (Presses “OK”) the Following Screens Will Appear.

★ The DTD Will Display Operation Successful or a Reason for the Load Failure: Operation Failed, Overwrite Failed, Invalid CIK Index, CIK Write Failed, CIK S/N Not Unique, CIK Not Installed, CRC on Split Failed

★ Upon Successful Load, the DTD Will Display the CIK Status: Valid Supr, Valid User, Null Supr, Empty, No CIK, or Invalid

**Loading CIK
Please wait. . .**

**Operation Successful
For CIK split load; Wait**

**CIK Status: VALID SUPR
Press [RCV] or [ABORT]**