WISCONSIN BELL CRIS REQUIREMENTS DOCUMENT

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File No. 2008 Subje	ct: <u>A</u>	MERITECH	ISDN PRIME	
Date: 07-01-92 ACIS	Log No: <u>CRI</u>	SS200904T	ASI-IT Ta	sk Code: <u>J\$TK</u>
<pre>TO: (X) ASI-IT (X) ACIS Requirements (X) Billing Svc (X) Business Methods (X) Business Training (X) Marketing (X) CPC Methods (X) Directory (X) Directory No. Assign (X) FA (X) ICSC Methods (X) MAC/ARSB/I&M RCMAC/Assign (X) Maintenance</pre>	F Diedrich K Hoeller M Wojciga J Havill C De Cesar H Wray J Constabl J Rauguth J Monaghan M McClain J Petersen C Neis P Kelley N Roth S Marka M Orlowski C Jones	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	MKIS Network A&M OCS Operator Svo Product Mgr Public Svcs Regulatory Res Methods Res Training Results Marketing Sy	L Bly T Roesch A Kendall S A Sullivan J Kerler J Peters E Harrison L Lucht V Krueger M Larson Vstems L Ondishko P Maki M Rector D Ransaw N James L Ponasik L Hopper H Nelezen S Worner R Brooks K Sampson J Rudig
Author: IRENE HAMDLIN Dist: BILLING REQUIREMENT (x) Reply Requested By: (Reply:	<u>IS</u> Address 07 <u>-15-92</u>	: 200 S E	xecutive Dr.	
Name:		Dept		
Tel. No.:		Date:		
			(06	5-02-92)
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INTRODUCTION

SERVICE DESCRIPTION

Ameritech ISDN Prime Service is a digital business service that provides access to the Company's circuit switched voice, circuit switched data and packet switched data services via a 1.544 Mbps Central Office interface. Optinet DS1 Service is used to connect customer's premises to the Ameritech ISDN Prime interface located in the Company's Central Office. The Ameritech ISDN Prime interface is provided in base capacities of twenty-three 64 Kbps "B" channels and one 64 Kbps "D" channels (23 B+D). The "D" channel is used for out of band signaling and control of the "B" channels. "B" channels can be dedicated to either circuit switched data or voice services. 64 Kbps channel packet data channels are always dedicated to packet service.

Ameritech ISDN Prime Service is provided at the option of the Company and can only be provided from digital Central Offices equipped and programmed to provide such service. The availability, functionality and capabilities of Ameritech ISDN Prime Service features may vary by serving Central Office.

DEFINITIONS

- "B" CHANNEL B-channel (Bearer Channel is a 64 Kbps digital Channel capable of transporting circuit switched data, circuit switched voice and packet switched data.
- "D" CHANNEL D-Channel (Delta Channel) is a 64 Kbps digital channel used to transport signaling and control information.
- Out of Band Signaling Out of Band Signaling is signaling that is separated from the channel carrying the circuit switched data and voice services.

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Ameritech ISDN PRIME service is offered under the Optional Term Payment Plan (OTPP). Customer may elect the one month, 36 month, 60 month, 60 month or 84 month optional payment periods. During the effective term of the selected payment period longer than the one month payment period, is not subject to a monthly rate increase initiated by the Company.

Temporary suspension of service is not offered with Ameritech ISDN Prime Service.





PROPOSAL

Validate the appropriate USOCs, FIDS and Classes of Service necessary to facilitate this service.

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USOC DESCRIPTION	OC&C CODE
ZPAZD - ISDN PRIME Connection	777
REA1F - Change to Existing Trunk Group	778
TN1MX - Facilities Shar - Call by Call	779
ZPBXD - Back Up D Channel	781
9ZRP1 - End User Common Line	000
LTG6X - Cir Switch V/D Tel Num-Per 10	000
T16CX - Combined Trunk - Direct Outwrd	000
W1SSP - OUTWATS Service	000
81NSP - 800 Service	000
81FSP - Custom 800 Service	000
LTG3A - Chan Pack Switc Data - B Chan	780
ZCMCX - Int Interswtch-CKT Swtch Voice	000
ZCMPX - Int Interswtch-PKT Swtch Data	000

CLASSES OF SERVICE CODES

ISDN Prime will be established as a main or secondary class of service. The USOCs above should be validated to be used with the following classes of service.

N1P -	Integrated	Services	Digital	Net-ISDN	Prime	(Pipe)

N1Z - Integrated Services Digital Net-ISDN Prime Packet Switched Data.

DQKUX - Digital PBX SVC (For DID and DOD Service Orders)

FIDS

There are 34 FIDs associated with ISDN Prime service. Of the 34, 18 are being validated with this memorandum. The remaining FIDs have already been addressed in SASO24, SASO47, SASO30 and SASO48. The FIDs not included in this memorandum are:

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APZ	GSZ	PIC	SIS
CLS	LCC	PICX	SIT
FSO	LSO	SFG	SPD

RATES AND CHARGES

The following charges and rates are in addition to the charges and rates for any other services required to furnish a communications system:

、	Ins	tallation Charge	12 Mths	Optional I 36 <u>Mths</u>	Payment 1 60 <u>Mths</u>	Periods 84 Mths
Ameritech ISDN PRIME interface, each	ZPAZD	\$2,000	\$450	\$440	\$430	\$420
"D" Channel backup, each	ZPBXD	\$200	\$120	\$115	\$110	\$105
System Inter- communication Service						
per "B" Channel Swtchd Data/Voice	ZCMCX	\$150	\$35	NA	NA	NA
Packet Swtchd Data	ZCMPX	\$150	\$ 35	NA	NA	NA
"B" Channel Packet Swtd. Data, per "B" Chnl	LTG3A	\$200	\$120	\$110	\$100	\$90
Additions, Deletions, Rearrangements, and Changes of one or more trunks to existing trunk groups per interface						
per occasion 🚎 🚝	REA1F	\$50	NA	NA	NA	NA
End User		Mantha ma				070

Common Line 92RP1 - Monthy rate same as existing USOC 92R.

BILLING

The Ameritech ISDN Prime (connection) and Optinet DS1 (local channel) pieces are contracted separately at this time. However they must have the same contract period. They are combined on one Class of Service with an SPP entry.

Mechanization of SPP (Special Payment Plan) is being cared for as a part of Centrex 2000, being addressed in CRIS Memo 2009. Mechanization of Termination Liability is also being cared for as part of Centrex 2000, being addressed in CRIS Memo 2011.

DATA MANAGEMENT

Validate new USOCS in the CRIS Reference Files. The USOCs and USOC descriptions are listed in this document. OC&C codes have been assigned to those USOC's reflecting non-recurring charges. If a USOC carries only monthly charges, or is "0.00" rated, the description in the OC&C section of the bill is taken from the USOC File. All of the numerics shown before have to do with the sequencing assignment in the OC&C section.

IC (Installation Charge) Schematics for the nonrecurring charges will be provided separately to Data Management.

The effective date of these USOCs will be that of the approval date of the tariff.

The USOC 92RP1 should generate twice the rate of existing USOC 92R. 92RP1 is subject to the same rate changes as 92R.

CRIS/SORD EDITS

Edit requirements for 18 FIDs are attached. (SEE ATTACHMENTS 1-18)

ACCOUNTING

Recurring revenues for ISDN Prime should be classified to 5060.1130, Other Local Exchange Revenues - Business - Central Office Features-Recurring. 3

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Nonrecurring rebenues for ISDN Prime should be classified to 5060.1130, Other Local Exchange Revenues - Business - Central Office Nonrecurring.

The following values should be assigned to USOCS ZPAZD, REA1F, TN1MX, ZPBXD, LTG6X, LTG3A, ZCMCZ and ZCMPX:

ACCOUNTING POINTER (AP)	2
ACCOUNTING EXCEPTION (AE)	N
MAIN ACCOUNT CODE (MACT)	0000
SUB ACCOUNT BUSINESS (SA-B)	0000
SUB ACCOUNT RESIDENCE (SA-R)	0000
SUB ACCOUNT ICHG (SA-I)	0000
SUB ACCOUNT MULTI-ELEMENT (SA-M)	0000
OWNERSHIP (OWN)	R

The following values should be asigned to USOCS T16CX, W1SSP, 81NSP and 81FSP:

ACCOUNTING POINTER (AP)	1
ACCOUNTING EXCEPTION (AE)	N
MAIN ACCOUNT CODE (MACT)	0000
SUB ACCOUNT BUSINESS (SA-B)	0000
SUB ACCOUNT RESIDENCE (SA-R)	0000
SUB ACCOUNT ICHG (SA-I)	0000
SUB ACCOUNT MULTI-ELEMENT (SA-M)	0000
OWNERSHIP (OWN)	R

The following values should be assigned to USOC 9ZRP1:

ACCOUNTING POINTER (AP)	4
ACCOUNTING EXCEPTION (AE)	N
MAIN ACCOUNT CODE (MACT)	0000
SUB ACCOUNT BUSINESS (SA-B)	0000
SUB ACCOUNT RESIDENCE (SA-R)	0000
SUB ACCOUNT ICHG (SA-I)	0000
SUB ACCOUNT MULTI-ELEMENT (SA-M)	0000
OWNERSHIP (OWN)	R

Classes of Service N1P, N1Z and DQKUK should be assigned to Account Type of AA for Business.

EXTRAORDINARY BILLING (EOB)

No EOB charges will be generated from this memo.

BDUCTS

The BDUCTS BAC Code 001D should be assigned to those USOCs reflecting non-recurring charges.

SERVICE ORDER EXHIBITS

Service order exhibits will be submitted at a later date.

TESTING

A testplan will be submitted under separate cover.

IMPLEMENTATION Implementation is required by 01-01-93.

PREPARED: 04-28-92 by Irene Hamdlin

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*** CRIS ONLY *** BUPD - BACKUP D CHANNEL - CIRCUIT NUMBER DESCRIPTION: The circuit number of the PRA ISDN pipe whose D channel is used as the backup D channel for signaling USAGE: SECTION POSTION EXAMPLE S&E FL /BUPD 10.IPZD.456 ..WT SORD: - Required - if applicable (if code appears, it is edited) - Placement - floating - Data content - alpha-numeric characters with periods - Appearance - once per USOC on all order types except P - Length - minimum 11, maximum 27 - SORD Sequence Group - 4 CRIS: - Retained - yes - Sequence Code -- FID Err Code -

CABS: N/A

END

UP 5/5/92 BUPD

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*** CRIS ONLY ***

CHNA - CHANNEL NUMBER ASSIGNMENT

DESCRIPTION: The channel number(s) assigned to an Intergrated Services Digital Network (ISDN) bearer services capabilities.

USAGE:

SECTION	POSTION	EXAMPLE
S&E	FL	/CHNA B2
ASGM	FL	

SORD:

S&E SECTION

- Required if applicable (if code appears, it is edited)
 DSNA is required with CHNA
- Placement floating
- Data content 1 to 3 alpha-numeric characters, B1-B24 (ISDN B Channel) or D (ISDN D Channel)
- Appearance once per USOC on all order types except P
- Length minimum 1, maximum 3
- SORD Sequence Group 4

CRIS:

- S&E SECTION
 - Retained -- yes
 - Sequence Code -
 - FID Err Code -

CABS: N/A

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END

CHNA

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*** CRIS ONLY ***

CS7 - CODESET 7

DESCRIPTION: The Primary Rate ISDN Trunk Group can send or receive Codeset 7 information.

USAGE:

SECTION	POSTION	EXAMPLE
S&E	FL	/CS7

SORD:

- Required - if applicable (if code appears, it is edited)

- Placement floating
- Data content none
- Appearance once per USOC on all order types except P
- Length minimum 0, maximum 0
- SORD Sequence Group 4

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CRIS:

- Retained yes
- Sequence Code -
- FID Err Code -

CABS: N/A

END

CS7

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PREPARED 04-28-92 BY IRENE HAMDLIN Marketing Systems Support *** CRIS ONLY *** CXC - CALL BY CALL DESCRIPTION: The Primary Rate ISDN Trunk Group will have Call by Call services. USAGE: SECTION POSTION EXAMPLE S&E FL /CXC SORD: - Required - if applicable (if code appears, it is edited) - Placement - floating - Data content - None - Appearance - once per USOC on all order types except P - Length - minimum 0, maximum 0 - SORD Sequence Group - 4 CRIS: - Retained - yes - Sequence Code -

- FID Err Code -

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CABS: N/A

END

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CXC

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*** CRIS ONLY ***

DID - DIRECT INWARD DIALING

DESCRIPTION: That a trunk or line is to be used for direct inward dialed calls and may or may not have a telephone number assigned.

USAGE:

SECTION	POSTION	EXAMPLE
S&E	FL	/DID 1
ASGM	FL	

SORD:

S&E SECTION

- Required if applicable (if code appears, it is edited)
- Placement floating
- Data content numeric characters (1 thru 9999)
- Appearance once per USOC on all order types except P
- Length minimum 1, maximum 4
- SORD Sequence Group 4

CRIS:

S&E SECTION

- --Retained Yes
- Sequence Code -
- FID Err Code -

CABS: N/A

END

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DID

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CABS: N/A

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END

JP 5/5/92

DSNA

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*** CRIS ONLY ***

LTAP - LOGICAL TERMINAL ACCESS PRIVILEGE

DESCRIPTION: The access privilege for the Primary Rate Access (PRA) ISDN logical terminal.

USAGE:

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	SECTION	POSTION	EXAMPLE
	S&E	FL	/LTAP B
SORD:	Required - if applica - if FIDs LT	ble (if code appears, CA and LTDF appear	it is edited)
-	Placement - floating		
-	Data content - one al	pha B (Cicuit Switche	đ)
-	Appearance - once per	USOC on all order ty	pes except P
-	Length - minimum 1, m	aximum 1	_
-	SORD Sequence Group 4		-
CRIS:			
-	Retained - yes		

- Sequence Code -
- FID Err Code -

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CABS: N/A

END

LTAP

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*** CRIS *** only

LTCA - LOGICAL TERMINAL CALL TYPES

DESCRIPTION: The call types for the Primary Rate Access (PRA) ISDN logical terminal. Data content is PUB (PUBLIC) or PVT (Private) or WATS (Outwats) or INWATS (Inwats) or FX (Foreign Exchange) or TIE (TIE Line).

USAGE:	SECTION	POSTION	EXAMPLE	
	S&E	FL	/LTCA PUB,	WATS

SORD:

- Required if applicable (if code appears, it is edited) - if FIDs LTAP and LTDF appear
- Placement floating
- Data content two to six alphas without spaces allowed in a series separated by comma space.
- Appearance once per USOC on all order types except P.
- Length minimum 2, maximum 31

- SORD Sequence Group 4

CRIS:

- Retained yes
- Sequence Code ~
- FID Err Code -
- TID FIT COME

CABS: N/A

END

LTCA

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*** CRIS ONLY ***

LTCL - LOGICAL TERMINAL CLASS

DESCRIPTION: The Logical Terminal class, the Bearer Service Type, and the Protocol Version Control data for a DMS-100 ISDN logical terminal.

USAGE:

SECTION	POSTION	EXAMP	LE			
S&E	FL	/LTCL	PRA	cs	PS	в

SORD:

Required - if applicable (if code appears, it is edited)
 - if FIDs LTAP, LTCA and LTDF appear

- Placement floating
- Data content alpha-numerics with spaces
- Appearance once per USOC on all order types except P
- Length minimum 11, maximum 35
- SORD Sequence Group 4

CRIS:

- Retained yes
- Sequence Code -
- FID Err Code -

CABS: N/A

END

LTCL

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*** CRIS ONLY ***

LTDF - LOGICAL TERMINAL DEFINITION

DESCRIPTION: The number of incoming and outgoing calls allowed over the trunk group and the number of B channels associated with the trunk group for Primary Rate Access (PRA) ISDN. The sum of the number of outgoing calls (OUCL) plus the number of incoming calls (INCL) cannot be greater than the total number of calls allowed to be active on a trunk group (NUCL).

USAGE:

SECTION	POSTION	EXAMPLE
S&E	FL	/LTDF NUBC.23, NUCL. 23, INCL.16, OUCL.7

SORD:

- Required - if applicable (if code appears, it is edited) - if FIDs LTAP and LTCA appear

- Placement floating
- Data content alpha-numerics with periods and comma spaces
- Appearance once per USOC on all order types except P
- Length minimum 30, maximum 38
- SORD Sequence Group 4

CRIS:

- Retained yes
- -- Sequence Code -
- FID Err Code -

CABS: N/A

END

LTDF

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*** CRIS ONLY ***

LTID - LOGICAL TERMINAL IDENTIFIER

DESCRIPTION: The logical terminal identifier for Integrated Services Digital Network (ISDN) service.

USAGE:

SECTION	POSTION	EXAMPLE
S&E	FL	/LTID ISDN 101
ASGM	FL	

SORD:

S&E SECTION

- Required if applicable (if code appears, it is edited)
 if FIDs LTAP, LTCA and LTDF appear
- Placement floating
- Data content one to eight alpha-numerics followed by a space followed by one to four numerics (1-1022)
- Appearance once per USOC on all order types except P
- Length minimum 3, maximum 13
- SORD Sequence Group 4

CRIS:

S&E SECTION

- Retained --Yes
- Sequence Gode -
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- FID Err Code -

CABS: N/A

END

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LTID

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*** CRIS ONLY ***

OGO - OUTGOING ONLY SERVICE

DESCRIPTION: The number given to a trunk that is used for outgoing only service when it is not assigned a telephone number.

USAGE:

SECTION	POSTION	EXAMPLE
S&E	FL	/0G0 1
ASGM	FL	

SORD:

S&E SECTION

- Required if applicable (if code appears, it is edited)
- Placement floating
- Data content numeric characters (1-9999)
- Appearance once per USOC on all order types except P
- Length minimum 1, maximum 4
- SORD Sequence Group 4

CRIS:

S&E SECTION

- Retained yes
- Sequence Code -
- FID Err Code--

CABS: N/A

END

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*** CRIS ONLY ***

PI - PBX (Private Branch Exchange) IDENTIFICATION

DESCRIPTION: The identification number that has been assigned to the PBX which is served by Primary Rate ISDN out of a 5ESS.

USAGE:

SECTION	POSTION	EXAMPLE
S&E	FL	/PI 1

SORD:

- Required - if applicable (if code appears, it is edited)

- Placement floating
- Data content numeric characters (1-4095)
- Appearance once per USOC on all order types except P.
- Length minimum 1, maximum 4
- SORD Sequence Group 4

CRIS:

- Retained yes
- Sequence Code -
- FID Err Code -

CABS: N/A

END

PI

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PREPARED 04-28-92-BY IRENE HAMDLIN Marketing Systems Support *** CRIS ONLY *** PSBD - PRA ISDN PIPE SIGNALING - BACKED-UP DESCRIPTION: The circuit number of the PRA ISDN pipe whose signaling is backed up by the D channel of another PRA ISDN pipe. USAGE: SECTION POSTION EXAMPLE S&E FL /PSBD 10.IPZD.123.1, 2.NJ SORD: - Required - if applicable (if code appears, it is edited) - Placement - floating - Data content - alpha-numeric characters with periods and (optional) comma spaces - Appearance - once per USOC on all order types except P - Length - minimum 11, maximum 27 - SORD Sequence Group 4 CRIS:

- Retained yes
- Sequence Code -
- FID Err Code -

CABS: N/A

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END

PSBD

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- SORD Sequence Group 4

CRIS:

- Retained yes
- Sequence Code -
- FID Err Code -
- CABS: N/A

END

STD

JS 15 192

Wisconsin Bell USO Practice FIDs:

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TGP - TRUNK GROUP PREK-UP NUMBER

This FID is used to indicate the predetermined trunk group number in which a trunk or associated equipment is wired. Trunk group numbers are arranged for in the original design of the system according to usage.

SECTION POSITION EXAMPLE FL /TGP 22 S&E EDITS - Required - if applicable (if code appears, it is edited) -IF FID UNI appears - Placement - floating - Data content Four - one to three numeric characters (0-1023) or (0000-9999) <-- once per USOC entry mall ndy types afcipt P -- Appearance - Length - minimum 1, maximum 24 - Retained - yes - SORD Sequence Group - 4 END

B 5/5/92 TGP

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*** CRIS ONLY ***

TKD - TRUNK DIRECTION

DESCRIPTION: The transmission direction of the Primary ISDN trunk that is served by the 5ESS.

USAGE:

SECTION	POSTION	EXAMPLE		
S&E	FL	/TKD	2WF	

SORD:

- Required - if applicable (if code appears, it is edited)

- Placement floating
- Data content 2 to 4 alpha-numeric characters 2W (two way) or INC (incoming) or OUT (outgoing) or SGNL (D channel signaling) or ANN (announcement)
- Appearance once per USOC on all order types except P
- Length minimum 2, maximum 4
- SORD Sequence Group 4

CRIS:

- Retained Yes
- Sequence Code -
- FID Err Code -

CABS: N/A

END

A 2 1/2 /9' TKD

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*** CRIS ONLY ****

UUI - USER TO USER INFORMATION

DESCRIPTION: The Primary Rate ISDN Trunk Group is equipped with User to User information capabilities.

USAGE:

SECTION	POSTION	EXAMPLE
S&E	FL	/UUI

SORD:

- Required if applicable (if code appears, it is edited) - if FID CS7 appears
- Placement floating
- Data content none
- Appearance once per USOC on all order types except P

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- Length minimum 0, maximum 0
- SORD Sequence Group 4

CRIS:

- Retained yes
- Sequence Code -
- FID Err Code -

CABS: N/A

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UUI