



Important Technical Documentation

NOTIFICATION OF CHANGES TO THE EMBARQ CB105 BILLING EXTRACT FILE EFFECTIVE OCTOBER 2009

EMBARQ has recently completed a merger with CenturyTel and we are now called CenturyLink. As a result of this merger, CenturyLink will convert your business into the new billing and customer care system in October 2009. This will affect your CB105 Billing Extract Files for telecommunications services. (You may identify the CB105 file as the "Bell South" or "Club" format billing file.)

Upon conversion to the new system, the CB105 File will be replaced with the CBFF-100, a comparable billing extract file. This change will impact billing data for local services including voice, data and managed services, and will also change the way you interact with these billing files.

Please note: The CB105 File format is planned to be available again later in 2009 from CenturyLink.

If you currently receive your CB105 Files on CD-Rom, you will need to select another method for receipt of your files. Available options are: Connect Direct, VAN (Value Added Network), or secured FTP (File Transfer Protocol). These options require subscriptions; however, several free Secure FTP utilities may be available.

High-Level Differences in the CB105 and CBFF-100 Files

File Organization

CB105 File is organized by Department (accounts are grouped by Department).
CBFF-100 File will be organized by Carrier instead of Department.

CBFF-100 File Expanded Reporting Options

– Expanded charge detail and call detail layouts.
– Personal account codes and PIN for identification of callers (available where customer has set up this feature).

FOR MORE INFORMATION

- Refer to the new CBFF-100 Implementation Guide within this document.
- Direct additional questions to: IT-CTL-EQ-EDI-INFO@centurytel.com



CenturyLink™

Billing Flat File 100 (CBFF-100) Implementation Guide

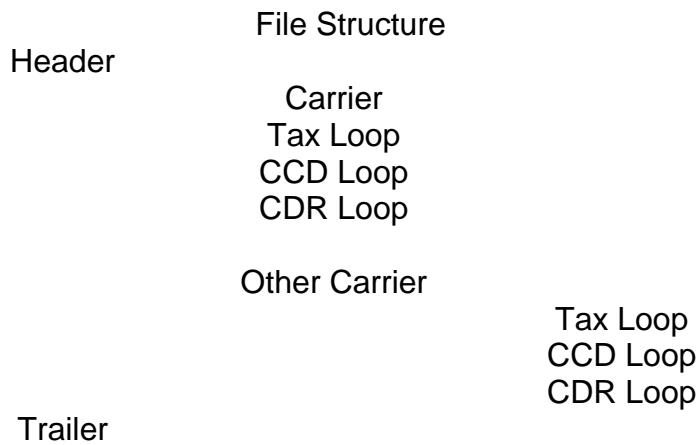
Revision History

Document Version	Date	Primary Author(s)	Description of Version
1	3/13/09	Boyce Stone Tammye Orr	Final Version

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CBFF 100 Looping Structure



Header Layout

Field Name	Format	Size
Record Type HR	Text	2
BAN	Text	12
Bill Date	Text	9
Due Date	Text	9
Customer Name	Text	80
Customer Address	Text	55
Customer City	Text	30
Customer State	Text	3
Customer Zipcode	Text	15

Header Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "HR"

BAN

Definition: X(12)

Description: The number of the account being billed. Positions 3-14 = BAN Number,

Value: Any alphanumeric values – as defined above.

Bill Date

Definition: X(9)

Description: Date of the billing statement in the format of CCYYMMDD + “ “.

Value: Valid date.

Due-Date

Definition: X(9)

Description: The date that the payment is due, in the format of CCYYMMDD + “ “.

Value: Valid date.

Customer Name

Definition: X(80)

Description: The customer name.

Value: Any alphanumeric value.

Customer Address

Definition: X(55)

Description: The customer billing address street or P.O. Box.

Value: Any alphanumeric value.

Customer City

Definition: X(30)

Description: The customer billing address city.

Value: Any alphanumeric value.

Customer State

Definition: X(3)

Description: The customer billing address state.

Value: Any valid two character state code.

Customer Zipcode

Definition: X(15)

Description: The customer billing address zip code+4.

Value: Any valid zip code.

Carrier Layout

Field Name	Format	Size
Record Type CA	Text	2
PDR Description	Text	50
PDR Amount	Text	20
CUR BAN	Text	12
CUR Bill Amount	Text	20
CUR Service Date	Text	9
CUR Begin Date	Text	9
CUR End Date	Text	9

Carrier Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "CA"

PDR Description

Definition: X(50)

Description: General description of the charges.

Value: Any alphanumeric value.

PDR Amount

Definition: X(20)

Description: The amount being billed for this provider.

Value: Positive or negative amount USD.

CUR Ban

Definition: X(12)

Description: The billing account number.

Value: Any alphanumeric value. BAN Number

CUR Bill Amount

Definition: x(20)

Description: Total amount of current charges.

Value: Positive or negative amount USD

CUR Service Date

Definition: X(9)

Description: Service Effective Date.

Value: Valid date.

CUR Begin Date

Definition: X(9)

Description: The start date of services for this telephone within the current billing period, in the format of CCYYMMDD. If this telephone was put into service during the current billing period, this date will be the date that the telephone was put into service.

Value: Valid date.

CUR End Date

Definition: X(9)

Description: The end date of services for this telephone within the current billing period, in the format of CCYYMMDD. If service for this telephone was terminated before the end of the current billing period, this date will be the date that the telephone was removed from service.

Value: Valid date.

Tax Loop Layout

Field Name	Format	Size
Record Type TX	Text	2
Tax Description	Text	80
Tax Line Total	Text	20
Tax Type ID	Text	3
Tax Amount	Text	20

Tax Loop Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "TX"

Tax Description

Definition: X(80)

Description: The text description of the tax charge.

Value: Any alphanumeric value.

Tax Line Total

Definition: X(20)

Description: The total of ALL taxes for this account.

Value: Positive or negative amount USD. Trailing +/- sign.

Tax Type ID

Definition: X(3)

Description: The code that identifies the type of tax being charged with this record.

Value: FD = Federal

LO = Local (not sales tax)

SL = State & Local

SU = Tax on Service & Equipment

Tax Amount

Definition: X(20)

Description: Total amount of current tax type.

Value: Positive or negative amount USD.

CCD Loop Layout

Field Name	Format	Size
Record Type CD	Text	2
Detail ID	Text	26
ICH Unit Price	Text	20
CDH Phone Number	Text	11
CDH Circuit ID	Text	50
CCD Detail Description	Text	80
CCD Charge	Text	16
CCD Group Code	Text	5
CCD Group Description	Text	50
CCD Sub-Group Code	Text	5
CCD Sub-Group Description	Text	50

CCD Loop Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "CD"

Detail ID

Definition: X(26)

Description: A text description of the charges

Value: Hard Coded "Recurring and One Time Charges"

ICH Unit Price

Definition: X(20)

Description: The total charges for this service.

Value: Positive or negative amount USD.

CDH Phone Number

Definition: X(11)

Description: The telephone number for which these charges apply.

Value: A valid telephone number within this account.

CDH Circuit ID

Definition: X(20)

Description: Circuit ID identifier

Value: A valid circuit id for this account

CCD Detail Description

Definition: X(80)

Description: A text description of the charges.

Value: Any alphanumeric value.

CCD Charge

Definition: X(16)

Description: The charge or adjustment amount for this record.

Value: Positive or negative amount USD.

CCD Group Code

Definition: X(5)

Description: A unique numeric value assigned to the group.

Value: Any alphanumeric value.

CCD Group Description

Definition: X(50)

Description: A text description assigned to the group.

Value: Any alphanumeric value.

CCD Sub-Group Code

Definition: X(5)

Description: A unique numeric value assigned to the sub group.

Value: Any alphanumeric value.

CCD Sub-Group Description

Definition: X(50)

Description: A text description assigned to the sub group.

Value: Any alphanumeric value.

CDR Loop Layout

Field Name	Format	Size
Record Type CR	Text	2
Detail ID	Text	26
ICH Unit Price	Text	20
CDH Phone Number	Text	11
CDH Circuit ID	Text	50
CDR Telephone Number	Text	11
CDR Call Date	Text	9
CDR Call Time	Text	5
CDR Location	Text	3
CDR Terminating City	Text	30
CDR Terminating State	Text	3
CDR Originating City	Text	30
CDR Originating State	Text	3
CDR Duration	Text	10
CDR Duration Seconds	Text	10
CDR Amount	Text	20
CDR Number Called	Text	11
CDR Message Type	Text	3
CDR Settle Code	Text	3
CDR Account Code	Text	6
CDR Account Code Description	Text	50
CDR Group Code	Text	5
CDR Group Code Description	Text	50
CDR Sub-Group Code	Text	5
CDR Sub-Group Code Description	Text	50
CDR Call Type	Text	2
CDR Service Type	Text	2
CDR Jurisdiction	Text	4
CDR Originating Number	Number	15
CDR Calling Period	Text	2

CDR Loop Description**Record Type**

Definition: X(2)

Description: Record identifier

Value: Hard coded "CR"

Detail ID

Definition: X(26)

Description: A text description of the charges

Value: Hard Coded "Recurring and 1 Time Charges"

ICH Unit Price

Definition: X(20)

Description: The total charges for this service.

Value: Positive or negative amount USD.

CDH Phone Number

Definition: X(11)

Description: The telephone number for which these charges apply.

Value: A valid telephone number within this account.

CDH Circuit ID

Definition: X(20)

Description: Circuit ID identifier

Value: A valid circuit id for this account

CDR Telephone Number

Definition: X(11)

Description: The telephone number for which these charges apply.

Value: A valid telephone number within this account.

CDR Call Date

Definition: X(9)

Description: Date of the call in the format of CCYYMMDD.

Value: Valid date.

CDR Call Time

Definition: X(5)

Description: Time of the call in the format HHMMSS.

Value: Valid time.

CDR Location

Definition: X(3)

Description: Type of call terminating information that follows.

Value: CC = Country CI = City

CDR Terminating City

Definition: X(30)

Description: If CDR-LOCATION = CC, the country in which the call terminated.
If CDR-LOCATION = CI, the city in which the call terminated

Value: Any alphanumeric value.

CDR Terminating State

Definition: X(3)

Description: If CDR-LOCATION = CC, this field is spaces.

If CDR-LOCATION = CI, the state in which the call terminated.

Value: Any valid two character state abbreviation.

CDR Originating City

Definition: X(30)

Description: If CDR-ORIG-LOC-IDD = CI, the city in which the call originated.

Value: Any alphanumeric value.

CDR Originating State

Definition: X(3)

Description: If CDR-ORIG-LOC-IDD = CI, the state in which the call terminated.

Value: Any valid two character state abbreviation.

CDR Duration

Definition: X(10)

Description: The call duration measured in minutes and tenths of minutes.

Value: Any positive value.

CDR Duration Seconds

Definition: X(10)

Description: The call duration measured in seconds and tenths of seconds.

Value: Any positive value.

CDR Amount

Definition: X(20)

Description: The total charges for this call.

Value: Positive amount USD.

CDR Number Called

Definition: X(11)

Description: The telephone number called.

Value: Any alphanumeric value.

CDR Message Type

Definition: X(3)
Description: A code indicating the type of call.
Value: Any two character code from the following:
AH = Operator Assisted Calls
CA = Person to Person Callback
CC = Card Calls
CF = Conference Calls
CP = Coin Paid Calls
CW = Call Forward
LI = Verify Interrupt
MC = Messenger Charge
PR = Person to Person
SP = Direct Dialed Calls
TG = Telegram
TN = Third Number
WD = Watts Data

CDR Settle Code

Definition: X(3)
Description: The settlement code used to rate this call.
Value: Any two character code from the following:
EE = Interstate/Interlata
ER = Intrastate/ Intralata
IT = International
LO = Local
RE = Interstate/Interlata
RR = Intrastate/Intralata

CDR Account Code

Definition: X(6)
Description: The Personal Account Code assigned to employee used to make Long Distance calls
Value: Any alphanumeric value.

CDR Account Code Description

Definition: X(50)
Description: A text description of the Personal Account Code assigned to employee used to make Long Distance calls
Value: Any alphanumeric value.

CDR Group Code

Definition: X(5)
Description: A unique numeric value assigned to the group.
Value: Any alphanumeric value.

CDR Group Code Description

Definition: X(50)

Description: A text description assigned to the group.

Value: Any alphanumeric value.

CDR Sub Group Code

Definition: X(5)

Description: A unique numeric value assigned to the sub group.

Value: Any alphanumeric value.

CDR Sub Group Code Description

Definition: X(50)

Description: A text description assigned to the sub group.

Value: Any alphanumeric value.

CDR Call Type

Definition: X(2)

Description: Code for different usage call types.

Value: Calling Card = "CC"
Operator Handled = "AH"
Person To Person = "PR"
Third Number = "IN"
All others = "SP"

CDR Service Type

Definition: X(2)

Description: Hardcoded "AN"

Value: "AN"

CDR Jurisdiction

Definition: X(4)

Description: Jurisdiction of usage call.

Value: "ASAL" – Intrastate/Intralata
"ASEL" – Intrastate/Interlata
"ESAL" – Interstate/Intralata
"ESEL" – Interstate/Interlata
"ILIL" – International to International
"USIL" – US to International
"ILUS" – International to US

CDR Originating Number

Definition: X(15)

Description: The originating phone number the call was made from.

Value: Valid phone number

CDR Calling Period

Definition: X(2)

Description: Period of the day the call was made.

Value: Day = "03"

Night = "04"

Evening & Weekends = "05"

Other Carrier Layout

Field Name	Format	Size
Record Type OC	Text	2
PDR Description	Text	50
PDR Amount	Text	20
CUR BAN	Text	12
CUR Bill Amount	Text	20
CUR Service Date	Text	9
CUR Begin Date	Text	9
CUR End DateOC	Text	9

Other Carrier Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "OC"

PDR Description

Definition: X(50)

Description: General description of the charges.

Value: Any alphanumeric value.

PDR Amount

Definition: X(20)

Description: The amount being billed for this provider.

Value: Positive or negative amount USD.

CUR BAN

Definition: X(12)

Description: The telephone number for which these charges apply.

Value: Any alphanumeric value. BAN Number

CUR Bill Amount

Definition: x(20)

Description: Total amount of charges for this Provider.

Value: Positive or negative amount USD

CUR Service Date

Definition: X(9)

Description: Service Effective Date.

Value: Valid date.

CUR Begin Date

Definition: X(9)

Description: The start date of services for this telephone within the current billing period, in the format of CCYYMMDD. If this telephone was put into service during the current billing period, this date will be the date that the telephone was put into service.

Value: Valid date.

CUR End Date

Definition: X(9)

Description: The end date of services for this telephone within the current billing period, in the format of CCYYMMDD. If service for this telephone was terminated before the end of the current billing period, this date will be the date that the telephone was removed from service.

Value: Valid date.

Tax Loop OC Layout

Field Name	Format	Size
Record Type OT	Text	2
Tax Description	Text	80
Tax Line Total	Text	20
Tax Type ID	Text	3
Tax Amount	Text	20

Tax Loop OC Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "OT"

Tax Description

Definition: X(80)

Description: The text description of the tax charge.

Value: Any alphanumeric value.

Tax Line Total

Definition: X(20)

Description: The total of ALL taxes for this account.

Value: Positive or negative amount USD. Trailing +/- sign.

Tax Type ID

Definition: X(3)

Description: The code that identifies the type of tax being charged with this record.

Value: FD = Federal
 LO = Local (not sales tax)
 SL = State & Local
 SU = Tax on Service & Equipment

Tax Amount

Definition: X(20)

Description: Total amount of current tax type.

Value: Positive or negative amount USD.

CCD Loop OC Layout

Field Name	Format	Size
Record Type OD	Text	2
Detail ID	Text	26
ICH Unit Price	Text	20
CDH Phone Number	Text	11
CDH Circuit ID	Text	50
CCD Detail Description	Text	80
CCD Charge	Text	16
CCD Group Code	Text	
CCD Group Description	Text	
CCD Sub-Group Code	Text	
CCD Sub-Group Description	Text	

CCD Loop OC Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "OD"

Detail ID

Definition: X(26)

Description: A text description of the charges

Value: Hard Coded "Recurring and 1 Time Charges"

ICH Unit Price

Definition: X(20)

Description: The total charges for this service.

Value: Positive or negative amount USD.

CDH Phone Number

Definition: X(11)

Description: The telephone number for which these charges apply.

Value: A valid telephone number within this account.

CDH Circuit ID

Definition: X(20)

Description: Circuit ID identifier

Value: A valid circuit id for this account

CCD Detail Description

Definition: X(80)

Description: A text description of the charges.

Value: Any alphanumeric value.

CCD Charge

Definition: X(16)

Description: The charge or adjustment amount for this record.

Value: Positive or negative amount USD.

CCD Group Code

Definition: X(5)

Description: A unique numeric value assigned to the group.

Value: Any alphanumeric value.

CCD Group Description

Definition: X(50)

Description: A text description assigned to the group.

Value: Any alphanumeric value.

CCD Sub-Group Code

Definition: X(5)

Description: A unique numeric value assigned to the sub group.

Value: Any alphanumeric value.

CCD Sub-Group Description

Definition: X(50)

Description: A text description assigned to the sub group.

Value: Any alphanumeric value.

CDR Loop OC Layout

Field Name	Format	Size
Record Type OR	Text	2
Detail ID	Text	26
ICH Unit Price	Text	20
CDH Phone Number	Text	11
CDH Circuit ID	Text	50
CDR Telephone Number	Text	11
CDR Call Date	Text	9
CDR Call Time	Text	5
CDR Location	Text	3
CDR Terminating City	Text	30
CDR Terminating State	Text	3
CDR Originating City	Text	30
CDR Originating State	Text	3
CDR Duration	Text	10
CDR Duration Seconds	Text	10
CDR Amount	Text	20
CDR Number Called	Text	11
CDR Message Type	Text	3
CDR Settle Code	Text	3
CDR Account Code	Text	6
CDR Account Code Description	Text	50
CDR Group Code	Text	5
CDR Group Code Description	Text	50
CDR Sub-Group Code	Text	5
CDR Sub-Group Code Description	Text	50
CDR Call Type	Text	2
CDR Service Type	Text	2
CDR Jurisdiction	Text	4
CDR Originating Number	Number	15
CDR Calling Period	Text	2

CDR Loop OC Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "OR"

Detail ID

Definition: X(26)

Description: A text description of the charges

Value: Hard Coded "Recurring and 1 Time Charges"

ICH Unit Price

Definition: X(20)

Description: The total charges for this service.

Value: Positive or negative amount USD.

CDH Phone Number

Definition: X(11)

Description: The telephone number for which these charges apply.

Value: A valid telephone number within this account.

CDH Circuit ID

Definition: X(20)

Description: Circuit ID identifier

Value: A valid circuit id for this account

CDR Telephone Number

Definition: X(11)

Description: The telephone number for which these charges apply.

Value: A valid telephone number within this account.

CDR Call Date

Definition: X(9)

Description: Date of the call in the format of CCYYMMDD.

Value: Valid date.

CDR Call Time

Definition: X(5)

Description: Time of the call in the format HHMMSS.

Value: Valid time.

CDR Location

Definition: X(3)

Description: Type of call terminating information that follows.

Value: CC = Country CI = City

CDR Terminating City

Definition: X(30)

Description: If CDR-LOCATION = CC, the country in which the call terminated.
If CDR-LOCATION = CI, the city in which the call terminated

Value: Any alphanumeric value.

CDR Terminating State

Definition: X(3)

Description: If CDR-LOCATION = CC, this field is spaces.

If CDR-LOCATION = CI, the state in which the call terminated.

Value: Any valid two character state abbreviation.

CDR Originating City

Definition: X(30)

Description: If CDR-ORIG-LOC-IDD = CI, the city in which the call originated.

Value: Any alphanumeric value.

CDR Originating State

Definition: X(3)

Description: If CDR-ORIG-LOC-IDD = CI, the state in which the call terminated.

Value: Any valid two character state abbreviation.

CDR Duration

Definition: X(10)

Description: The call duration measured in minutes and tenths of minutes.

Value: Any positive value.

CDR Duration Seconds

Definition: X(10)

Description: The call duration measured in seconds and tenths of seconds.

Value: Any positive value.

CDR Amount

Definition: X(20)

Description: The total charges for this call.

Value: Positive amount USD.

CDR Number Called

Definition: X(11)

Description: The telephone number called.

Value: Any alphanumeric value.

CDR Message Type

Definition: X(3)

Description: A code indicating the type of call.

Value: Any two character code from the following:

AH = Operator Assisted Calls

CA = Person to Person Callback

CC = Card Calls

CF = Conference Calls

CP = Coin Paid Calls

CW = Call Forward

LI = Verify Interrupt

MC = Messenger Charge

PR = Person to Person

SP = Direct Dialed Calls

TG = Telegram

TN = Third Number

WD = Wats Data

CDR Settle Code

Definition: X(3)

Description: The settlement code used to rate this call.

Value: Any two character code from the following:

EE = Interstate/Interlata

ER = Intrastate/ Intralata

IT = International

LO = Local

RE = Interstate/Interlata

RR = Intrastate/Intralata

CDR Account Code

Definition: X(6)

Description: The Personal Account Code assigned to employee used to make Long Distance calls

Value: Any alphanumeric value.

CDR Account Code Description

Definition: X(50)

Description: A text description of the Personal Account Code assigned to employee used to make Long Distance calls

Value: Any alphanumeric value.

CDR Group Code

Definition: X(5)

Description: A unique numeric value assigned to the group.

Value: Any alphanumeric value.

CDR Group Code Description

Definition: X(50)

Description: A text description assigned to the group.

Value: Any alphanumeric value.

CDR Sub Group Code

Definition: X(5)

Description: A unique numeric value assigned to the sub group.

Value: Any alphanumeric value.

CDR Sub Group Code Description

Definition: X(50)

Description: A text description assigned to the sub group.

Value: Any alphanumeric value.

CDR Call Type

Definition: X(2)

Description: Code for different usage call types.

Value: Calling Card = "CC"
Operator Handled = "AH"
Person To Person = "PR"
Third Number = "IN"
All others = "SP"

CDR Service Type

Definition: X(2)

Description: Hardcoded "AN"

Value: "AN"

CDR Jurisdiction

Definition: X(4)

Description: Jurisdiction of usage call.

Value: "ASAL" – Intrastate/Intralata
"ASEL" – Intrastate/Interlata
"ESAL" – Interstate/Intralata
"ESEL" – Interstate/Interlata
"ILIL" – International to International
"USIL" – US to International
"ILUS" – International to US

CDR Originating Number

Definition: X(15)

Description: The originating phone number the call was made from.

Value: Valid phone number

CDR Calling Period

Definition: X(2)

Description: Period of the day the call was made.

Value: Day = "03"

Night = "04"

Evening & Weekends = "05"

Trailer Layout

Field Name	Format	Size
Record Type TR	Text	2
BAN	Text	12
Customer Name	Text	80
Inventory Amount	Text	20
Previous Balance	Text	20
Payments	Text	20
Adjusted Amount	Text	20
Current Amount	Text	20

Trailer Description

Record Type

Definition: X(2)

Description: Record identifier

Value: Hard coded "TR"

BAN

Definition: X(12)

Description: The number of the account being billed. Positions 3-14 = BAN Number,

Value: Any alphanumeric values – as defined above.

Customer Name

Definition: X(80)

Description: The customer name.

Value: Any alphanumeric value.

Inventory Amount

Definition: X(20)

Description: Total amount due.

Value: Positive or negative amount USD.

Previous Balance

Definition: X(20)

Description: Previous balance from last billing.

Value: Positive or negative amount USD.

Payments

Definition: X(20)

Description: Total amount of all payments since the previous bill.

Value: Positive or negative amount USD.

Adjusted Amount

Definition: X(20)

Description: Total amount of immediate adjustments applied to the previous balance.

Value: Positive or negative amount USD.

Current Amount

Definition: X(20)

Description: Total amount of current charges.

Value: Positive or negative amount USD.