



Billing Consolidator - EDS File Specifications

EDS Layout

The Enhanced Data Stream file format supports customers need to analyze or distributed invoice details within their organizations. The output includes all bill payers (invoices) within the agency per the hierarchy.

The EDS file is formatted as ASCII text with pipe-delimited fields. The various record types are identified by a two-character key at the beginning of each record.

Notes

1. In this document, "Display BTN" means the value that is used as an invoice grouping within the invoice. It may include Billing Telephone Numbers, Circuit Numbers, Subaccount Numbers, Site IDs, etc and is controlled within the hierarchy management function.
2. Data Type Specifications
 - a. **Integer** fields have values ranging from 0 to 2,147,483,647.
 - b. **Decimal** fields are specified with two numbers: total number of digits, and number of digits to the right of the decimal point. For example, "decimal 12,2" allows for 12 total digits, 10 to the left of the decimal point, and 2 to the right.
 - c. **Char** fields are single-byte ASCII characters. There can be 0 to (Max Size) characters in the field.
 - d. Dates are listed as "char" types, with length 8; all dates are formatted as MMDDYYYY.

00 – Header Information

This record contains the Remittance Information. There is one '00' Header record for each Bill Payer (BAN) associated with the Agency for which the file is generated.

| Field # | Description | Type | Max Size | Sample Data |
|---------|---------------------------|---------|----------|--------------|
| 1 | Record Type '00' | Char | 2 | 00 |
| 2 | Bill Run ID | integer | 10 | 1946 |
| 3 | Billing Cycle | integer | 10 | 176 |
| 4 | Bill Date (MMDDYYYY) | Char | 8 | 12252014 |
| 5 | Remittance Name | Char | 40 | AT&T |
| 6 | Remittance Address Line 1 | Char | 50 | PO BOX 9011 |
| 7 | Remittance Address Line 2 | char | 50 | |
| 8 | Remittance City | char | 30 | Carol Stream |
| 9 | Remittance State | char | 2 | IL |
| 10 | Remittance Zip | char | 10 | 60197-9011 |



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01 – Bill Payer Information

The Bill Payer Information contains one record per Bill Payer (BAN), with information about the bill payer and the billing date. The '01' record type indicates the beginning of the records for a given Bill Payer.

| Field # | Description | Type | Max Size | Sample Data |
|---------|-----------------------------------|---------|----------|------------------|
| 1 | Record Type '01' | char | 2 | 01 |
| 2 | Bill Payer (BAN) | char | 13 | 9390012345 |
| 3 | Billing Cycle | integer | 10 | 176 |
| 4 | Bill Date (MMDDYYYY) | char | 8 | 12202014 |
| 5 | Invoice Number | integer | 10 | 8054307 |
| 6 | Bill Payer Name | char | 30 | STATE AGENCY |
| 7 | ATTN | Char | 30 | FRED SMITH |
| 8 | Bill Payer Address 1 | char | 50 | SUITE 100 |
| 9 | Bill Payer Address 2 | char | 50 | 123 STATE STREET |
| 10 | Bill Payer City | char | 30 | LOUISVILLE |
| 11 | Bill Payer State Code | char | 2 | KY |
| 12 | Bill Payer Zip | char | 10 | 77777-5200 |
| 13 | Bill Period Start Date (MMDDYYYY) | char | 8 | 12012014 |
| 14 | Bill Period End Date (MMDDYYYY) | char | 8 | 12312014 |

02 – Invoice Summary

The Invoice Summary totals and balance information. There is one record for each Bill Payer (BAN).

| Field # | Description | Type | Max Size | Sample Data |
|---------|------------------------------------|---------|----------|-------------|
| 1 | Record Type '02' | char | 2 | 02 |
| 2 | Bill Payer (BAN) | char | 13 | 9390012345 |
| 3 | Bill Date (MMDDYYYY) | char | 8 | 12202014 |
| 4 | Invoice Number | integer | 10 | 9964307 |
| 5 | Previous Balance | decimal | 12,2 | 17.04 |
| 6 | Payments | decimal | 12,2 | 0.00 |
| 7 | Adjustments | decimal | 12,2 | 0.00 |
| 8 | Current Charges | decimal | 12,2 | 17.49 |
| 9 | Total Due | decimal | 12,2 | 34.53 |
| 10 | Monthly Recurring Charges | decimal | 12,2 | 34.89 |
| 11 | Non-Recurring and Prorated Charges | decimal | 12,2 | 9.85 |
| 12 | Usage Charges | decimal | 12,2 | -0.01 |
| 13 | Taxes | decimal | 12,2 | 0.32 |
| 14 | Surcharges | decimal | 12,2 | 5.81 |
| 15 | Due Date (MMDDYYYY) | char | 8 | 12202014 |
| 16 | Late Fee Date (MMDDYYYY) | char | 8 | 12312014 |



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03 – Payments/General Adjustments

The Payments/General Adjustments contain all the Bill Payer (BAN) Payments and Adjustments records. There may be multiple records per Bill Payer (BAN)

| Field # | Description | Type | Max Size | Sample Data |
|---------|---|---------|----------|--------------------------------|
| 1 | Record Type '03' | char | 2 | 03 |
| 2 | Bill Payer (BAN) | char | 13 | 4665559611016 |
| 3 | Invoice Number | integer | 10 | 9894248 |
| 4 | Billing Cycle | integer | 10 | 176 |
| 5 | Bill Date (MMDDYYYY) | char | 8 | 12312014 |
| 6 | Amount | decimal | 12,2 | -382.85 |
| 7 | Account Number (939nnnnnnn) | char | 15 | 9390012345 |
| 8 | Description | char | 80 | Payment received, Thank you |
| 9 | Reference Number | char | 30 | 04/19/2013 |
| 10 | Date (MMDDYYYY) | char | 8 | 04192013 |
| 11 | Type ("P" – Payment, "A" – Adjustment) | char | 1 | P |

04 – Display BTN Information

The Display BTN section reports Display BTN with billed charges in the invoice. There is one record per Display BTN.

| Field # | Description | Type | Max Size | Sample Data |
|---------|--------------------------|---------|----------|---------------------|
| 1 | Record Type '04' | char | 2 | 04 |
| 2 | Bill Payer (BAN) | char | 13 | 9390012345 |
| 3 | Display BTN | char | 50 | 5557654321111 |
| 4 | Billing Cycle | integer | 10 | 176 |
| 5 | Bill Date (MMDDYYYY) | char | 8 | 12202014 |
| 6 | Display BTN Name/Address | char | 50 | CUSTOMER 123 CALNET |



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05 – Monthly Summary by Bill Payer (BAN)

The Monthly Summary by BAN contains one record per Display BTN, with a summary of charges by category.

| Field # | Description | Type | Max Size | Sample Data |
|---------|------------------------------------|---------|----------|---------------|
| 1 | Record Type '05' | char | 2 | 05 |
| 2 | Bill Payer (BAN) | char | 13 | 9390012345 |
| 3 | Display BTN | char | 50 | 5557654321111 |
| 4 | Billing Cycle | integer | 10 | 176 |
| 5 | Bill Date (MMDDYYYY) | char | 8 | 12202014 |
| 6 | Adjustments | decimal | 12,2 | 0.00 |
| 7 | Monthly Recurring Charges | decimal | 12,4 | 12.2307 |
| 8 | Non-Recurring and Prorated Charges | decimal | 12,2 | 9.85 |
| 9 | Usage Charges | decimal | 12,2 | -0.01 |
| 10 | Taxes | decimal | 12,2 | 0.32 |
| 11 | Surcharges | decimal | 12,2 | 5.81 |
| 12 | Invoice Number | integer | 10 | 9964307 |

06 – Adjustments

The Adjustments contain one record for each prior-period adjustment included in the billing period.

| Field # | Description | Type | Max Size | Sample Data |
|---------|------------------------|---------|----------|------------------|
| 1 | Record Type '06' | char | 2 | 06 |
| 2 | Display BTN | char | 50 | 4665596031611 |
| 3 | Service ID | char | 30 | 4665596031 |
| 4 | Billing Cycle | integer | 10 | 176 |
| 5 | Bill Period (MMDDYYYY) | char | 8 | 12202014 |
| 6 | Provider Name | char | 20 | AT&T |
| 7 | Reference Number | char | 30 | 030413BQW56373XY |
| 8 | From Date (MMDDYYYY) | char | 8 | 09302014 |
| 9 | To Date (MMDDYYYY) | Char | 8 | 10292014 |
| 10 | Description | Char | 80 | MISCELLANEOUS |
| 11 | Amount | decimal | 12,2 | 24.35 |
| 12 | Invoice Number | integer | 10 | 9942105 |



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07 – Monthly Recurring Detail

The Monthly Recurring Detail record details monthly service charges by Service ID. The file may contain many records for each Service ID.

| Field # | Description | Type | Max Size | Sample Data |
|---------|------------------------|---------|----------|--------------------------------|
| 1 | Record Type '07' | char | 2 | 07 |
| 2 | Display BTN | char | 50 | 5557654321111 |
| 3 | Quantity | integer | 10 | 1 |
| 4 | Feature Name | char | 80 | Measured Rate Business Service |
| 5 | Product ID | char | 7 | 1MB |
| 6 | Bill Period (MMDDYYYY) | char | 8 | 12022014 |
| 7 | Charge | decimal | 12,4 | 8.6034 |
| 8 | Invoice Number | integer | 10 | 9964307 |
| 9 | Service ID | char | 30* | 8875073519 |

*Please note: As of July 15, 2020, Service IDs will be alphanumeric only. All special characters, such as dashes or periods, have been removed.

08 – Inbound Call Detail

There is one Inbound Call Detail record for each Toll Free Usage item billed during the billing period

| Field # | Description | Type | Max Size | Sample Data |
|---------|-------------------------------|---------|----------|---------------|
| 1 | Record Type '08' | char | 2 | 08 |
| 2 | Display BTN | char | 50 | 1869658663333 |
| 3 | Call Date(MMDDYYYY) | char | 8 | 07232014 |
| 4 | Call Time (HH:mm) | char | 8 | 12:06 |
| 5 | Call Duration (Total Seconds) | integer | 10 | 205 |
| 6 | From Number | char | 15 | 4587154948 |
| 7 | From Place | char | 13 | EDSON NJ |
| 8 | To Number | char | 15 | 8005555397 |
| 9 | To Place | char | 13 | MAYBURY NJ |
| 10 | Call Type Code | char | 2 | TF |
| 11 | Usage Type Code | char | 2 | RR |
| 12 | Call Count | integer | 10 | 1 |
| 13 | Usage Provider | char | 20 | ATTLD |
| 14 | Service ID | char | 15 | 8005555397 |
| 15 | Provider Name | char | 20 | AT&T |
| 16 | Rate Period | char | 3 | Day |
| 17 | Contract | Char | 1 | Y |
| 18 | Product ID | Char | 7 | USGLT |
| 19 | Total Charge | Decimal | 12,2 | 123.45 |
| 20 | Invoice Number | integer | 10 | 8583931 |



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09 – Outbound Call Detail

There is one Outbound Call Detail record for each billed usage charge not identified as Toll Free (see type 08) or Local (type 10).

| Field # | Description | Type | Max Size | Sample Data |
|---------|-------------------------------|---------|----------|---------------|
| 1 | Record Type '09' | char | 2 | 09 |
| 2 | Display BTN | char | 50 | 1869658663333 |
| 3 | Call Date (MMDDYYYY) | char | 8 | 07232014 |
| 4 | Call Time (HH:mm) | char | 8 | 12:06 |
| 5 | Call Duration (Total Seconds) | integer | 10 | 205 |
| 6 | Total Charge | decimal | 12,2 | 0.05 |
| 7 | From Number | char | 15 | 4587154948 |
| 8 | From Place | char | 10 | EDSON |
| 9 | To Number | char | 15 | 8005555397 |
| 10 | To Place | char | 10 | MAYBURY |
| 11 | Call Type Code | char | 2 | TF |
| 12 | Usage Type Code | char | 2 | RR |
| 13 | Account Code | char | 25 | |
| 14 | Call Count | integer | 10 | 1 |
| 15 | Usage Provider | char | 20 | ATTLTD |
| 16 | Service ID | char | 15 | 8005555397 |
| 17 | Provider Name | char | 20 | AT&T |
| 18 | Rate Period | char | 3 | Day |
| 19 | From State | Char | 2 | MI |
| 20 | To State | Char | 2 | KY |
| 21 | Invoice Number | integer | 10 | 8583931 |

10 – Zone 1 & 2 Usage Summary

This contains one record of aggregated Local Usage Detail per Invoice / Display BTN / Service ID.

| Field # | Description | Type | Max Size | Sample Data |
|---------|--|---------|----------|---------------|
| 1 | Record Type '10' | char | 2 | 10 |
| 2 | Display BTN | char | 50 | 6815302074555 |
| 3 | Total Number of Calls | decimal | 16,0 | 18 |
| 4 | Total Number of Minutes (listed in seconds) | decimal | 32,1 | 11.0 |
| 5 | Total Amount | decimal | 12,2 | 0.31 |
| 6 | Invoice Number | integer | 10 | 9877077 |
| 7 | Service ID | char | 15 | 6815302074 |



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11 – Taxes

Tax records are provided at the Display BTN level; there can be multiple Tax records for a Display BTN.

| Field # | Description | Type | Max Size | Sample Data |
|---------|------------------------|---------|----------|--|
| 1 | Record Type '11' | char | 2 | 11 |
| 2 | Display BTN | char | 50 | 5557654321111 |
| 3 | Provider Name | char | 20 | AT&T |
| 4 | Description Identifier | integer | 10 | 5967 |
| 5 | Description | char | 80 | Universal Lifeline Telephone Service Surcharge |
| 6 | Amount | decimal | 12,2 | 0.13 |
| 7 | Tax Code | char | 7 | 1234567 |
| 8 | Invoice Number | integer | 10 | 9964307 |

12 – Surcharges

Surcharges are detailed at the Display BTN level; there can be multiple Surcharge records for a Display BTN.

| Field # | Description | Type | Max Size | Sample Data |
|---------|------------------------|---------|----------|-----------------------------------|
| 1 | Record Type '12' | char | 2 | 12 |
| 2 | Display BTN | char | 50 | 5557654321111 |
| 3 | Provider Name | char | 20 | AT&T |
| 4 | Description Identifier | integer | 10 | 2794 |
| 5 | Description | char | 80 | Federal Subscriber Line Charge |
| 6 | Amount | decimal | 12,2 | 4.59 |
| 7 | Tax Code | char | 7 | 1234567 |
| 8 | Invoice Number | integer | 10 | 9964307 |



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13 – Non Recurring Charges

These are the Non-Recurring and Prorated Charges; there will be one record for each non-recurring or prorated charge during the billing period.

| Field # | Description | Type | Max Size | Sample Data |
|---------|--------------------|---------|----------|--|
| 1 | Record Type '13' | char | 2 | 13 |
| 2 | Display BTN | char | 50 | 5557654321111 |
| 3 | Provider Name | char | 20 | AT&T |
| 4 | Product ID | char | 7 | 9PZLM |
| 5 | Quantity | integer | 10 | 1 |
| 6 | Feature Name | char | 100 | Rate Change Federal Universal Service Fee - Change |
| 7 | From date MMDDYYYY | Char | 8 | 12012014 |
| 8 | To date MMDDYYYY | Char | 8 | 12312014 |
| 9 | SR Number | char | 24 | N77566918 |
| 10 | Monthly Rate | decimal | 12,2 | 0.03 |
| 11 | One Time Charge | decimal | 12,2 | 0.00 |
| 12 | Prorated Charges | decimal | 12,2 | -0.01 |
| 13 | Total Charges | decimal | 12,2 | -0.01 |
| 14 | Invoice Number | integer | 10 | 9964307 |
| 15 | Service ID | char | 50 | 9165551212 |

14 – CSR Detail

| Field # | Description | Type | Max Size | Sample Data |
|---------|------------------------|---------|----------|---------------------------------|
| 1 | Record Type '14' | char | 2 | 14 |
| 2 | Display BTN | char | 50 | 4715553435741 |
| 3 | Service ID | char | 30 | 32HCQS000555-001PT |
| 4 | Quantity | integer | 10 | 0 |
| 5 | Location | char | 60 | 123 CALNET STREET FLR 2 RM F |
| 6 | City | char | 30 | SOMETOWN |
| 7 | Contract | char | 1 | Y |
| 8 | FID | char | 30 | OOBA |
| 9 | Node | char | 4 | 02 |
| 10 | Product ID | char | 7 | NCI |
| 11 | Feature name | char | 80 | 04CX9 |
| 12 | Charge | decimal | 12,2 | 0.00 |
| 13 | Bill Period (MMDDYYYY) | Char | 8 | 12232014 |
| 14 | Invoice Number | integer | 10 | 94306642 |



Code values

Usage Type

| Code | Description |
|------|-----------------------|
| AC | Audio Conferencing |
| CN | Canada |
| DA | Directory Assistance |
| DO | Domestic |
| EE | Interstate-InterLATA |
| ER | Interstate-IntraLATA |
| IA | Intrastate |
| IE | Interstate |
| IN | International |
| LT | Local Toll |
| MX | Mexico |
| RA | Intrastate-IntraLATA |
| RE | Intrastate-InterLATA |
| RR | Intralata |
| TF | Toll Free |
| WC | Webmeeting Conference |
| Z1 | Local Zone 1 & 2 |
| Z3 | Local Zone 3 |

Call Type

| Code | Description |
|------|--|
| 1 | Roam + (MOBILE-2-LAND OR RETREIVAL-OUT) |
| 2 | Roam + (LAND-2-MOBILE OR DEPOSIT-IN) |
| 3 | Roam + (CFW-2-LAND |
| 4 | Roam and (MOBILE-2-MOBILE) |
| 5 | Not applicable for Mobility flow |
| 6 | Not(roam,CTR) + (MBL-2-LAND OR RETR-OUT) |
| 7 | Not(roam,CTR) + (LAND-2-MBL OR DEPOS-IN) |
| 8 | Not(roam,CTR) + (CFW-2-LAND) |
| 9 | Not(roam,CTR) + (MOBILE-2-MOBILE) |
| AC | Audio Conferencing |



Billing Consolidator - EDS File Specifications

| | |
|----|---|
| CL | Collect |
| CP | Caller Paid |
| DL | AT&T Digital Link |
| DS | Dial Station |
| MT | Mobile Terminated |
| OC | Operator Completed with Dial Rate Applied |
| OS | Operator Station |
| OT | Other |
| SD | Software Defined Data Network |
| SM | SMS |
| TF | Toll Free |
| VD | Voice Message Delivery |
| VH | Virtual Hold |
| VM | Voice Over IP Mobile Outbound |
| VO | Voice Over IP Outbound |

Rate Period

| Code | Description |
|------|--------------------|
| Day | Day |
| Dsc | Discount |
| Eco | Economy |
| Eve | Evening |
| MP | Multi Period |
| Mid | Late Night |
| Ngt | Night/Weekend |
| Off | Offpeak |
| Pk | Peak |
| Prm | Prime |
| Reg | Regular |
| Spc | Special Intrastate |
| Std | Standard |
| Wkd | Weekend |