



ELECTRONIC INVOICE SPECIFICATIONS

Purpose

This specification represents the Spok Electronic File Invoice standards. Each electronic invoice presented will consist of Header and Detail information. In addition, any Prior Period (PRP) transactions and payments associated with the account since the last billing period will be provided. The information below will further explain the data levels as well as each record type.

Electronic File Offering

The electronic file consists of 8 record types. Each record type represents a unique data type presented on the customer bill. Record types are designed to simplify the location and representation of data. The information in each record type is as follows:

Record Type 01 - Customer Account Summary

The customer profile record represents an overview of the customer account. This record type includes information at the account level such as Bill Customer Name, Number, Address Information, Invoice Number, Cycle Dates, and Customer Account Balance Information.

Record Type 02 - Detail Charge Transactions

The detail level charge transactions represent all charges incurred during a given billing period such as but not limited to, Standard Numeric Charge, Universal Service Charge, Adjustments, Administration Fees, and Overcall Charges. These records may be summed by various criteria

Record Type 20 – Sub-Detail Drill Down Charge Transactions

Sub-Detail records are an option for customers using the **Wireless Device Data**, **Non-Wireless Device Data**, or the **All Data** summation options. Type 20 records allow customers who requested summed transactions to also 'drill down' and see the detail records making up the summary in **Record Type 02 - Detail Charge Transactions**.

Record Type 30 - Prior Period Adjustment Transactions

The prior period adjustment transactions represent amounts applied to the customers balance at the time of entry. Prior period adjustments are informational only and not considered part of the current charges. Prior period transactions include records such as, Equipment Return Credits, Installment Sale Adjustments, Found Equipment Credits, and Service Adjustments.

Record Type 32 – Detail and Prior Period Transactions Combined

The detail and prior period transactions represent all **Record types** for 02 and 30 combined. Using this record type will discontinue the need to pull **Record types 02** (Detail Charge Transactions) and **30** (Prior Period Adjustment Transactions) and then combining them. This record type will be beneficial for customers who pay in full each month.

Record Type 40 - Payment Transactions

The payment transactions represent all payments applied the customers account during the billing period.

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Record Type 50 - Usage Summary Transactions

The usage transactions represent the call or character counts for each wireless device during the current billing period. It must be noted that the usage records in this record type include all call or character counts, some of which may be included in record type 02 if they were chargeable, overcall transactions. This record type is informational only and not intended to represent charges to the account.

Record Type 51 – WME Group Followers, MCC and Alias Transactions

WME Group Followers, **MCC** (message carbon copy) and Alias details are provided for applicable devices on the account to assist with cost center / department reconciliation. The **WME** Group Followers / **MCC** address if applicable will be found within **Reference Field 1** (If multiple addresses exist then there will be multiple records in the file for that unit). If there is a 'Preferred Alias' then **Reference field 3** will contain the preferred alias information. If there is not any **WME Group Followers/ MCC ~or~ Alias** information found for the device(s) then the respective fields will remain blank.



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Sort and Summation Options

The ability to sort and summarize the invoice data is offered in 4 levels as described below and provides a customized approach to packaging the data based on our flexible standards.

Detail Sort Value: Line item by line item charge.

There can be multiple charges per wireless device in this type of data feed. Example: wireless device 123456 may have a USF Charge of \$.33, standard billing charge of \$50.00 and a Protection/Maintenance charge of \$5.00. This level would provide a detail record for each of these charges. Additionally these charges can be sorted by the following fields:

- Bill Customer Number/Customer Number/Contract Number
- Wireless device Phone Number/Pin Number
- Holder Name
- Service ID
- Capcode/wireless device Phone Number/Pin Number
- Serial Number
- PO Number
- Reference Field #1
- Reference Field #2
- Reference Field #3

NOTE: Type 20 records are optional records that can be produced for each summed transaction below.

Wireless Device Data: A summed presentation of the charges on a per wireless device basis.

Example wireless device 123456 would receive 1 detail transaction amount of \$ 55.33. These charges can be summed by any of the following fields:

- Wireless device Phone Number/Pin Number
- Service ID
- Capcode/wireless device Phone Number/Pin Number
- Serial Number

Non-Wireless Device Data: A summed presentation of the charges based on non-wireless device specific data.

For Example the \$55.33 charge for wireless device 123456 would be included with other charges for the account. These charges can be summed by.

- Bill Customer Number/Customer Number/Contract Number
- PO Number
- Holder Name
- Reference Field #1
- Reference Field #2
- Reference Field #3

All Data: A summed presentation of charges based on the Bill Customer Number.

All charges for the account will be represented in 1 transaction for the total current charges for that customer during the present billing period.

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Electronic Invoice Fields

Customer Account Summary, Record Type 01

The summary information will include customer level data such as the Bill Customer Name, Address Information, Invoice type, Invoice date, and Customer Balance Information. It is the equivalent of the account summary sheet generally presented on a printed invoice.

<u>Field Names</u>	<u>Required / Available</u>
Record Id (01)	Required
Data Sort Field	Required
EDI Process Name	Required
Bill Customer Number	Required
Bill Customer Name	Required
Customer Address Line 1	Required
Customer Address Line 2	Required
Customer Address Line 3	Required
Customer City	Required
Customer State	Required
Customer Zip Code	Required
Customer Zip Code Plus 4	Required
Electronic Password	Required
Bill Customer Email Address	Required
Spok Invoice Number	Required
Paper Invoice Number	Required
Bill Format	Required
Medium Code	Required
Bill Cycle	Required
Cycle Date	Required
Close Date	Required
Due Date	Required
Invoice From Date	Required
Invoice To Date	Required
Beginning Balance	Required
Payments	Required
Prior Period Adjustments	Required
Balance Forward	Required
This Months Charges	Required
Total Local Taxes	Required
Total State Taxes	Required
Total Federal Taxes	Required
Finance Charges	Required
This Months Balance	Required
Current Balance	Required
Over 30 Days Balance	Required

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Cont. Customer Account Summary, Record Type 01

<u>Field Names</u>	<u>Required / Available</u>
Over 60 Days Balance	Required
Over 90 Days Balance	Required
Total Amount Due	Required
Invoice Inquiry Amount	Required
Country Zip Code	Required
Country Name	Required
Bill Cust Office CDE	Required
Print Suppression CDE	Required
Blank Filler	Required

Detail Charge/Prior Period /Payment/Usage Transactions, Record Type 02/20/30/32/40/50/51

This is the transaction level of detail charges that have been incurred since the last billing period. Additionally the prior period adjustments, payments and usage summary transactions follow this same format. These transactions can be presented to the customer in 1 of 4 options. Detail information will include the following fields where applicable. As summarization is selected, fields that no longer contain unique data will be cleared from the database file.

<u>Field Names</u>	<u>Required / Available</u>				
	<u>Detail Sort</u>	<u>Drill Down Sub-Detail</u>	<u>Wireless Device Data</u>	<u>Non Wireless Device</u>	<u>All Data</u>
Record ID (02-20-30-32-40-50-51)	Required	Required	Required	Required	Required
Data Sort Field	Required	Required	Required	Required	Required
Bill Customer Number	Required	Required	Required	Required	Required
Level Customer Number	Required	Required	Required	Required	N/A
Level Customer Name	Required	Required	Required	Required	N/A
DISC Customer Number	Required	Required	Required	Required	N/A
Customer Number	Required	Required	Required	Required	N/A
Contract Suffix Number	Required	Required	Required	Required	N/A
Customer Name	Required	Required	Required	N/A	N/A
Service City	Required	Required	Required	N/A	N/A
Service State	Required	Required	Required	N/A	N/A

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**Continued; Detail Charge/Prior Period /Payment/Usage Transactions, Record Type
02/20/30/32/40/50/51**

Service Zip Code	Required	Required	Required	N/A	N/A
Holder	Required	Required	Required	N/A	N/A
Wireless device Phone Number	Required	Required	N/A	N/A	N/A
Wireless device Pin Number	Required	Required	N/A	N/A	N/A
Holder Email Address	Required	Required	Required	N/A	N/A
RCC Number	Required	Required	N/A	N/A	N/A
Paging Terminal	Required	Required	N/A	N/A	N/A
Equipment Status	Required	Required	Required	N/A	N/A
Service ID	Required	Required	Required	N/A	N/A
Cap Code	Required	Required	Required	N/A	N/A
Serial Number	Required	Required	Required	N/A	N/A
Equipment Frequency	Required	Required	Required	N/A	N/A
Purchase Order Number	Required	Required	Required	N/A	N/A
A/R Type Code	Required	Required	N/A	N/A	N/A
A/R Transaction Code	Required	Required	N/A	N/A	N/A
Invoice Line Description	Required	Required	N/A	N/A	N/A
Invoice From Date	Required	Required	N/A	N/A	N/A
Invoice To Date	Required	Required	N/A	N/A	N/A
Detail Charge Amount	Required	Required	Required	Required	Required
Federal Tax Charge	Required	Required	Required	Required	Required
State Tax Charge	Required	Required	Required	Required	Required
Local Tax Charge	Required	Required	Required	Required	Required
Total Amount	Required	Required	Required	Required	Required
Service \$	Required	Required	Required	N/A	N/A
Equipment\$	Required	Required	Required	N/A	N/A
Other \$	Required	Required	Required	N/A	N/A
Prorate Descriptions	Required	Required	N/A	N/A	N/A
Total Pages	Required	Required	Required	N/A	N/A
Pages Charge as Overcalls	Required	Required	Required	N/A	N/A
Contract Type	Required	Required	Required	N/A	N/A
Service Type	Required	Required	Required	N/A	N/A
Owner Code	Required	Required	Required	N/A	N/A

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**Continued; Detail Charge/Prior Period /Payment/Usage Transactions, Record Type
02/20/30/32/40/50/51**

Coverage Code	Required	Required	Required	N/A	N/A
Channel Code	Required	Required	Required	N/A	N/A
Wireless device VM Code	Required	Required	N/A	N/A	N/A
Model Code	Required	Required	Required	N/A	N/A
Reference Field 1	Required	Required	Required	N/A	N/A
Reference Field 2	Required	Required	Required	N/A	N/A
Reference Field 3	Required	Required	Required	N/A	N/A
PGT for 2 nd Phone Number	Required	Required	N/A	N/A	N/A
2 nd Phone Number	Required	Required	N/A	N/A	N/A
2 nd Pin Number	Required	Required	N/A	N/A	N/A
2 nd Coverage Code	Required	Required	N/A	N/A	N/A
2 nd wireless device VM Code	Required	Required	N/A	N/A	N/A
Feature Code 01	Required	Required	N/A	N/A	N/A
Feature Code 02	Required	Required	N/A	N/A	N/A
Feature Code 03	Required	Required	N/A	N/A	N/A
Feature Code 04	Required	Required	N/A	N/A	N/A
Feature Code 05	Required	Required	N/A	N/A	N/A
Feature Code 06	Required	Required	N/A	N/A	N/A
Feature Code 07	Required	Required	N/A	N/A	N/A
Feature Code 08	Required	Required	N/A	N/A	N/A
Feature Code 09	Required	Required	N/A	N/A	N/A
Feature Code 10	Required	Required	N/A	N/A	N/A
Feature Code 11	Required	Required	N/A	N/A	N/A
Feature Code 12	Required	Required	N/A	N/A	N/A
Feature Code 13	Required	Required	N/A	N/A	N/A
Feature Code 14	Required	Required	N/A	N/A	N/A
Feature Code 15	Required	Required	N/A	N/A	N/A
Feature Code 16	Required	Required	N/A	N/A	N/A
Cycle Date	Required	Required	Required	Required	Required
Bill Cycle	Required	Required	Required	Required	Required
P/M Description	Required	Required	Required	N/A	N/A
Overcall Code	Required	Required	Required	N/A	N/A
Overcall Allowance	Required	Required	Required	N/A	N/A

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Continued; Detail Charge/Prior Period /Payment/Usage Transactions, Record Type 02/20/30/32/40/50/51

Charge Per Overage	Required	Required	Required	N/A	N/A
Comment	N/A	N/A	N/A	N/A	N/A
Contract Transaction Type	N/A	N/A	N/A	N/A	N/A
A/R Invoiced Sort	N/A	N/A	N/A	N/A	N/A
A/R Line Number	N/A	N/A	N/A	N/A	N/A
Filler	N/A	N/A	N/A	N/A	N/A

Required - Indicates the data will always be present under the sort option selected.

N/A - Indicates data may or may not be present based on the sort option selected.

Electronic File Layouts

Electronic Bill Header Record, Record ID 01

<u>File Field Name</u>	<u>Type</u>	<u>Length</u>	<u>From</u>	<u>To</u>	<u>Description</u>
SEHRCID	A	2	1	2	RECORD ID (01)
SHDSRT	A	22	3	24	DATA SORT FIELD
SHEDIPRN	A	17	25	41	EDI PROCESS NAME
SHBCNO	S	7,0	42	48	BILL CUSTOMER NUMBER
SHBCNM	A	30	49	78	BILL CUSTOMER NAME
SHCAD1	A	40	79	118	CUSTOMER ADDR LINE1
SHCAD2	A	40	119	158	CUSTOMER ADDR LINE2
SHCAD3	A	40	159	198	CUSTOMER ADDR LINE3
SHCITY	A	30	199	228	CUSTOMER CITY
SHSTATE	A	2	229	230	CUSTOMER STATE
SHZIP	S	5,0	231	235	CUSTOMER ZIP CODE
SHZIP4	S	4,0	236	239	CUSTOMER ZIP PLUS 4
SHPSWD	A	10	240	249	ELECTRONIC PASSWORD
SHEMAD	A	65	250	314	EMAIL ADDRESS
SHINV#	S	11,0	315	325	ELECTRONIC INVOICE NUMBER
SHPINV#	A	10	326	335	PAPER INVOICE NUMBER
SHBFMT	A	3	336	338	BILL FORMAT
SHMDCD	A	3	339	341	MEDIA CODE
SHCYCLE	S	2,0	342	343	BILL CYCLE
SHCYCDATE	S	8,0	344	351	CYCLE DATE
SHCDTE	S	8,0	352	359	CLOSE DATE
SHDDTE	S	8,0	360	367	DUE DATE
SHINVFROM	S	8,0	368	375	INVOICE FROM DATE
SHINVTO	S	8,0	376	383	INVOICE TO DATE
SHBBAL	S	9,2	384	392	BEGINNING BALANCE
SHPYMT	S	9,2	393	401	PAYMENTS
SHBPPA	S	9,2	402	410	PRIOR PERIOD ADJUSTS
SHBFWD	S	9,2	411	419	BALANCE FORWARD
SHMCHG	S	9,2	420	428	THIS MONTHS CHARGES

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SHLTAX	S	9,2	429	437	TOTAL LOCAL TAX
SHSTAX	S	9,2	438	446	TOTAL STATE TAX
SHFTAX	S	9,2	447	455	TOTAL FEDERAL TAX
SHFCHG	S	9,2	456	464	FINANCE CHARGE
SHMBAL	S	9,2	465	473	THIS MONTH BALANCE
SHBCUR	S	9,2	474	482	CURRENT BALANCE
SHBO30	S	9,2	483	491	OVER 30 BALANCE
SHBO60	S	9,2	492	500	OVER 60 BALANCE
SHBO90	S	9,2	501	509	OVER 90 BALANCE
SHTDUE	S	9,2	510	518	TOTAL DUE
SHINVDSP	S	9,2	519	527	INVOICE INQUIRY AMOUNT
SHCNZP	S	11	528	538	COUNTRY ZIP CODE
SHCOUNTRY	S	30	539	568	COUNTRY NAME
SHOFCD	S	3	569	571	BILL CUST OFFICE CDE
SHPRTSUPP	S	3	572	574	PRINT SUPPRESSION CDE
SHBLNK	A	229	575	803	BLANK FILLER

Electronic Bill Header Record, Record ID 01 – Field Descriptions

This section describes each field contained in the Electronic Billing Header record.

RECORD ID (01)

Record identifier 01 indicates the Header record of the transmission data.

DATA SORT FIELD

The Sort Value field is used to sequence the records in the file to be representative of the Sort selection.

EDI PROCESS NAME

Used Internally by Spok.

BILL CUSTOMER NUMBER

Billing Customer Number is an Spok assigned 7-digit numeric number that uniquely identifies a customer to the Spok billing system.

BILL CUSTOMER NAME

The name of the Billing Customer assigned by Spok.

CUSTOMER ADDR LINE1, 2, 3

The Customers Address used for mailing purposes.

CUSTOMER CITY, STATE, ZIP CODE, PLUS 4

The Customer Zip Code as supplied. Typically the 5-digit zip code with the capability of storing the additional 4 digits for a total of 9-digits.

ELECTRONIC PASSWORD

Not applicable

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EMAIL ADDRESS

Not applicable

ELECTRONIC INVOICE NUMBER, PAPER INVOICE NUMBER

Billing and Paper Invoice Numbers. The Spok invoice number is represented using the Billing Customer number and Billing Month & Year. **Example: Customer 1234567 Billing Date 2002/09/01 – (12345670902)**. The Spok paper invoice number is represented using a letter prefix to represent year, the Billing Customer number and a letter representing the month of the year. **Example: Customer 1234567 Billing Date 2002/09/01 (L1234567I)**

BILL FORMAT

Billing invoice print format determines the style of invoice print Spok produces. Contact your Spok Representative for questions regarding these codes.

MEDIA CODE

The selected delivery media type for the electronic data. Spok offers EDI & Download options from our Web Site.

BILL CYCLE

Spok generates cyclical billing. Billing Cycles are representative of days of the month. Spok supports 28 different billing cycles (Cycle 01 thru 28).

CYCLE DATE

Billing Cycle date is the actual calendar date in which the billing period begins.

Example: Billing for September 1st, 2002 would appear as 20020901.

CLOSE DATE

Closing date of the billing period, which indicates the date the bill, was generated.

DUE DATE

The date payment is due based on terms of the invoice.

INVOICE FROM & TO DATE

Start and End dates for a given billing period.

Example: A monthly bill for September 2002 – Invoice From 20020901 – Invoice To 20020930.

BEGINNING BALANCE

This amount is the overall balance of the customer account at the time of billing. This balance includes any past due amounts owed.

PAYMENTS

This amount includes any payments made on the customer account since the last invoice was generated.

PRIOR PERIOD ADJUSTS

Any adjustments made to the account for a previous billing period. * **Note - Prior Period Adjustment amounts have already been applied to the Customer Balance.**

BALANCE FORWARD

Balance Forward is the summation of **(Beginning Balance + Payments + Prior Period Adjustments)**.

THIS MONTHS CHARGES

Total charge amount for the current billing period.

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TOTAL LOCAL TAX

Total local tax charge amount for the current billing period.

TOTAL STATE TAX

Total state tax charge amount for the current billing period.

TOTAL FEDERAL TAX

Total federal tax charge amount for the current billing period.

FINANCE CHARGE

Fee charged against past due balances.

THIS MONTH BALANCE

This amount is the summation of **(Current Month Charges + Taxes + Finance Charges)**.

CURRENT BALANCE

This amount is the total chargeable amount due for the current billing period.
(Dependant upon bill plan)

OVER 30 BALANCE

This is the aged amount due between 30 & 59 days.

OVER 60 BALANCE

This is the aged amount due between 60 & 89 days.

OVER 90 BALANCE

This is the aged amount due over 90 days.

TOTAL DUE

Total amount due is the summation of **(Balance Forward + Current Balance + Aged Balance)**.

INVOICE INQUIRY AMOUNT

Total amount of transactions being researched for previous invoices.

COUNTRY ZIP CODE

The customer zip code if bill address is outside USA

COUNTRY NAME

The customer bill address country name if bill address is outside USA

BILL CUSTOMER OFFICE CODE

Used internally by Spok

PRINT SUPPRESSION CODE

Used internally by Spok

BLANK FILLER

Space reserved for future use.

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Electronic Detail Records, Record ID 02,20,30,32,40,50,51

<i>File Field Name</i>	<i>Type</i>	<i>Length</i>	<i>From</i>	<i>To</i>	<i>Description</i>
S2RCID	A	2	1	2	REC ID (02-20-30-40-50)
S2DSRT	A	22	3	24	DATA SORT FIELD
S2BCNO	S	7,0	25	31	BILL CUSTOMER NUMBER
SE2LVCN	S	7,0	32	38	LEVEL CUSTOMER NUMB
S2LVNM	A	30	39	68	LEVEL CUSTOMER NAME
S2DCNO	S	7,0	69	75	DISC CUSTOMER NUMBER
S2CUNO	S	7,0	76	82	CUSTOMER NUMBER
S2SFNO	S	3,0	83	85	CONTRACT SFX NUMBER
S2CUNM	A	30	86	115	CUSTOMER NAME
S2SCITY	A	30	116	145	SERVICE CITY
S2SSTATE	A	2	146	147	SERVICE STATE
S2SCZP	S	5,0	148	152	SERVICE ZIP
S2HLDR	A	30	153	182	HOLDER
S2IPHN	S	10,0	183	192	WIRELESS DEVICE PHONE NUMBER
S2ITLX	S	7,0	193	199	WIRELESS DEVICE PIN NUMBER
S2EMAD	A	65	200	264	EMAIL ADDRESS
S2RCNO	S	5,0	265	269	RCC NUMBER
S2PGT1	A	3	270	272	PAGING TERMINAL
S2QSTS	A	3	273	275	EQUIPMENT STATUS
S2SVID	A	10	276	285	SERVICE ID NUMBER
S2CPCD	A	10	286	295	CAP CODE
S2SRNO	A	15	296	310	SERIAL NUMBER
S2FREQ	S	9,4	311	319	EQUIPMENT FREQUENCY
S2PONO	A	30	320	349	PURCHASE ORDER NUMB
S2TTCD	A	3	350	352	A/R TYPE CODE
S2TRCD	A	3	353	355	A/R TRNX CODE
S2INDC	A	30	356	385	INV LINE DESCRIPTION
S2FRDT	S	8,0	386	393	INVOICE FROM DATE
S2TODT	S	8,0	394	401	INVOICE TO DATE
S2DAMT	S	9,2	402	410	AMOUNT
S2FTAX	S	9,2	411	419	FEDERAL TAX
S2STAX	S	9,2	420	428	STATE TAX
S2LTAX	S	9,2	429	437	LOCAL TAX
S2TAMT	S	9,2	438	446	TOTAL AMOUNT
S2SER\$	S	9,2	447	455	SERVICE \$
S2EQM\$	S	9,2	456	464	EQUIPMENT \$
SE2OTHER\$	S	9,2	465	473	OTHER \$
S2PRDC	A	10	474	483	PRORATE DESCRIPTION
S2OVCS	S	15,0	484	498	TOTAL CALLS / CHARACTERS
S2OVCG	S	15,0	499	513	PAGES CHRG AS OVERCALLS
S2CNTY	A	3	514	516	CONTRACT TYPE
S2SVCD	A	3	517	519	SERVICE TYPE
SE2OWCD	A	3	520	522	OWNER CODE
S2CVCD	A	3	523	525	COVERAGE CODE
S2CHCD	A	3	526	528	CHANNEL CODE
S2VMCD	A	3	529	531	WIRELESS DEVICE VM CODE
S2MODL	A	3	532	534	MODEL CODE
S2REF1	A	30	535	564	REFERENCE FIELD1
S2PCNO	A	20	565	584	REFERENCE FIELD2

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S2PSID	A	40	585	624	REFERENCE FIELD3
S2PGT2	A	3	625	627	PGT FOR 2ND PHONE NUMBER
S2PHN2	S	10,0	628	637	2ND PHONE NUMBER
S2TLX2	S	7,0	638	644	2ND PIN NUMBER
S2CVC2	A	3	645	647	2ND COVERAGE CODE
S2VMC2	A	3	648	650	2ND WIRELESS DEVICE VM CODE
S2FT01	A	3	651	653	FEATURE CODE 01
S2FT02	A	3	654	656	FEATURE CODE 02
S2FT03	A	3	657	659	FEATURE CODE 03
S2FT04	A	3	660	662	FEATURE CODE 04
S2FT05	A	3	663	665	FEATURE CODE 05
S2FT06	A	3	666	668	FEATURE CODE 06
S2FT07	A	3	669	671	FEATURE CODE 07
S2FT08	A	3	672	674	FEATURE CODE 08
S2FT09	A	3	675	677	FEATURE CODE 09
S2FT10	A	3	678	680	FEATURE CODE 10
S2FT11	A	3	681	683	FEATURE CODE 11
S2FT12	A	3	684	686	FEATURE CODE 12
S2FT13	A	3	687	689	FEATURE CODE 13
S2FT14	A	3	690	692	FEATURE CODE 14
S2FT15	A	3	693	695	FEATURE CODE 15
S2FT16	A	3	696	698	FEATURE CODE 16
S2CYCDATE	S	8,0	699	706	CYCLE DATE
S2CYCLE	S	2,0	707	708	BILL CYCLE
S2PMDESC	A	30	709	738	P/M DESCRIPTION
S2OVCD	A	30	739	741	OVERCALL CODE
S2OVALLOW	A	15	742	756	OVERCALL ALLOWANCE
S2OVCHARGE	A	8	757	764	CHARGE PER OVERCHARGE
S2COMMENT	A	30	765	795	COMMENT
S2CNTRTYP	A	3	796	798	CONTRACT TRANS TYPE
S2INSR	A	1	799	799	A/R INVOICED SORT
S2LNNO	A	3	800	803	A/R LINE NUMBER
S2FILL	A	2	803	805	FILLER

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Electronic Detail Records, Record ID – 02,20,30,32,40,50,51 Field Descriptions

RECORD ID (02-20-30-32-40-50-51) See Detail Record Types on page one.

Record identifier indicates the Detail record type.

DATA SORT FIELD

The Sort Value field is used to sequence the records in the file to be representative of the Sort selection.

BILL CUSTOMER NUMBER

Billing Customer Number is an Spok assigned 7-digit numeric number that uniquely identifies a customer to the Spok billing system. This number can be used to group one or more customers together at the time of billing.

LEVEL CUSTOMER NUMBER & NAME

The Level customer if different from the contract customer number, indicates a Parent/Child Account structure is present. This value is the Parent account number of this account. If no Parent/Child structure exists, the level customer number will default to the contract customer number.

DISC CUSTOMER NUMBER

The Discount Customer is the customer number used for pricing of the wireless devices.

CUSTOMER NUMBER

Customer Number is an Spok assigned 7-digit numeric number that uniquely identifies a customer to Spok.

CONTRACT SFX NUMBER

A Suffix number appended to the customer number to uniquely identify a contract. A given customer can have from 1 to 999 contracts.

CUSTOMER NAME

The name of the Customer as it appears in the Spok billing system.

SERVICE CITY, STATE, ZIP CODE

The city, state, & zip code where the wireless device is in service.

HOLDER

The name of the person that is using this wireless device.

WIRELESS DEVICE PHONE NUMBER

The 10-digit phone number assigned to a wireless device.

WIRELESS DEVICE PIN NUMBER

Personal identification number assigned to the wireless device.

EMAIL ADDRESS

Email address of the person the wireless device is assigned to.

RCC NUMBER

Designates a phone number as a non-Spok owned phone number.

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ELECTRONIC INVOICE SPECIFICATIONS

PAGING TERMINAL

A 3-character identification code assigned to each paging terminal on the Spok network.

EQUIPMENT STATUS

The current status the wireless device is in. Contact your Spok Representative for questions regarding these codes.

SERVICE ID NUMBER

A unique 10 digit numeric value assigned to each wireless device by Spok.

CAP CODE

A code assigned by the manufacturer to each wireless device.

SERIAL NUMBER

A manufacturer assigned number that uniquely identifies a wireless device.

EQUIPMENT FREQUENCY

The network frequency used to transmit pages across Spok transmission towers.

PURCHASE ORDER NUMB

The purchase order number attached to a wireless device contract.

A/R TYPE CODE

Identifies the type of transaction that was generated by the billing system. Contact your Spok Representative for questions regarding these codes.

A/R TRNX CODE

The transaction code sub defines the type of transaction generated by the billing system. Contact your Spok Representative for questions regarding these codes.

INV LINE DESCRIPTION

A description of the transaction generated by the billing system.

INVOICE FROM & TO DATES

Invoice from and to dates represents the range of the billing period for this transaction.

AMOUNT

The dollar amount associated with this transaction before taxes.

FEDERAL TAX

Federal taxing amount associated with this transaction.

STATE TAX

State taxing amount associated with this transaction.

LOCAL TAX

Local taxing amount associated with this transaction.

TOTAL AMOUNT

Total dollar amount associated with this transaction. **(Amount + Taxes)**

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ELECTRONIC INVOICE SPECIFICATIONS

SERVICE \$

The dollar amount associated with wireless device service for this transaction.

EQUIPMENT \$

The dollar amount associated with wireless device rental for this transaction.

OTHER \$

The dollar amounts that are not associated specifically with service or equipment.

Example: Device Protection or Maintenance.

PRORATE DESCRIPTION

The description associated with a prorated billing charge.

TOTAL CALLS/CHARACTERS

Total number of calls or characters the wireless device received during the billing period.

PAGES CHRG AS OVERCALLS

Total number of calls or characters that exceeded the allowable call limit.

CONTRACT TYPE

A 3-character code that denotes the type of contract set up in the Spok Billing System.

Contact your Spok Representative for questions regarding these codes.

SERVICE TYPE

A 3-character code that denotes the type of service set up in the Spok Billing System for this wireless device.

Contact your Spok Representative for questions regarding these codes.

OWNER CODE

A 3-character code that denotes who is the owner of the wireless device.

Contact your Spok Representative for questions regarding these codes.

COVERAGE CODE

A 3-character code that denotes the type of coverage attached to the wireless device.

Contact your Spok Representative for questions regarding these codes.

CHANNEL CODE

Represent the equipment the wireless device is programmed on.

Contact your Spok Representative for questions regarding these codes.

WIRELESS DEVICE VM CODE

A 3-character code that denotes the voice mail feature assigned to this wireless device.

Contact your Spok Representative for questions regarding these codes.

MODEL CODE

A 3-character code representing the model type of this wireless device.

Example: BPT-Bravo Plus 1200

Contact your Spok Representative for questions regarding these codes.

REFERENCE FIELD1

A 30-character field reserved for customer specific data.

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ELECTRONIC INVOICE SPECIFICATIONS

REFERENCE FIELD2

A 20-character field reserved for customer specific data.

REFERENCE FIELD3

A 40-character field reserved for customer specific data.

PGT FOR 2ND PHONE NUMBER

A 3-character identification code assigned to each paging terminal on the Spok network.

2ND PHONE NUMBER

Additional 10-digit phone number assigned to a wireless device.

When Applicable

2ND PIN NUMBER

Additional Personal identification number assigned to the wireless device.

When Applicable

2ND COVERAGE CODE

Additional 3-character code that denotes the type of coverage attached to the wireless device.

When Applicable

Contact your Spok Representative for questions regarding these codes.

2ND VM CODE

A 3-character code that denotes the voice mail feature assigned to this wireless device.

When Applicable

Contact your Spok Representative for questions regarding these codes.

FEATURE CODES 01 through 16

Sixteen 3-character fields used to house the feature codes assigned to this wireless device.

Contact your Spok Representative for questions regarding these codes.

CYCLE DATE

Billing Cycle date is the actual calendar date in which the billing period begins.

Example: Billing for September 1st, 2002 would appear as 20020901.

BILL CYCLE

Spok generates cyclical billing. Billing Cycles are representative of days of the month. Spok supports 28 different billing cycles (Cycle 01 thru 28).

P/M DESCRIPTION

A description of the protection or maintenance charge for this wireless device.

OVERCALL CODE

A three-character code that denotes the overcall allowance and charges for this wireless device.

OVERCALL ALLOWANCE

The total number of calls/characters included in the monthly rate for this wireless device.

CHARGE PER OVERCALL

The per call/character charge for calls/characters exceeding the monthly allowance.

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ELECTRONIC INVOICE SPECIFICATIONS

COMMENT

Adjustment comment

CONTRACT TRANS TYPE

Used internally by Spok. (If populated will indicate the contract transaction code ~or~ the service type)

A/R INVOICED SORT

Used internally by Spok

A/R LINE NUMBER

Used internally by Spok

FILLER

Space reserved for future use.

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