Numeric Fields

Table 1: EXPORT FILE FROM DESKTOP TO BOSON

Start	End	Len	Description	Comments
001	014	14	Customer Account Number	(right just)
015	017	3	Service Number	(right just)
018	047	30	Customer Name	(left just)
048	077	30	Service Address	(left just)
078	107	30	Meter Comment	(left just)
108	108	1	Demand Meter	(D=Demand, Blank = NoDemand)
109	109	1	Meter Type	E=Electric, W=Water, G=Gas
110	129	20	Meter ID	(left just)
130	134	5	Meter Info Code	(right just), zero filled
135	143	9	Meter Multiplier	(right just)
144	152	9	High read check	(right just)
153	161	9	Low read check	(right just)
162	169	8	Last Reading Date	(right just - MM-DD-YY)
170	173	4	Reading Route	(right just), zero filled
174	174	1	Route/Seq Separator	(decimal)
175	180	6	Reading Sequence	(right just), zero filled
181	182	2	Meter Dials	(right just), zero filled
183	191	9	Prior Reading	(right justified)
192	192	1	Reading Type	S=Sight, P=Probe, R=Radio

Start	End	Len	Description	Comments
193	204	12	Meter Tag No(Electronic ID)	(right just), zero filled

Numeric Fields

All NUMERIC information should be right justified with leading spaces. If a NUMERIC field is empty or zero, please put a number 0 in the last column of the field.

Explicit Decimal - Demand Readings

If possible demand readings should contain the decimal in the apprpriate column(#####.####). If a demand reading is keyed as 1.22 the field should be shown as 00001.2200 or the leading zeros can be blanked out. Any zeros to the right of the decimal should be shown.

Implied Decimal - Demand Readings

If the demand readings have an "implied" decimal, then all of the demand readings should be stored so that the "implied" decimal remains in the same position in the "Import" file. Example: The demand readings has an implied decimal between the second and third position. The demand readings entered into the handheld are 122(1.22) and 1254(12.54 and 25 (.25). The values stored in the Import file would be 0000000122 and 0000001254 and 0000000025. Once again, leading zeros can be left blank.

Table 2: IMPORT FILE FROM BOSON TO DESKTOP

Start	End	Len	Description	Comments
001	014	14	Customer Account Number	(right just)
015	017	3	Service Number	(right just)
018	047	30	Customer Name	(left just)
048	077	30	Service Address	(left just)
078	082	5	Reader Info Code	(left just)
083	088	6	Reading Date	(right just - MMDDYY)
089	097	9	Meter Reading	(zero filled, right justified)
098	107	10	Initials of Operator	(left just)
108	113	6	Reading Time	(right justi-fied - HHMMSS)
114	133	20	Meter ID	(left just - space filled)
134	135	2	Response Code	(2 digits from user defined response code table)
136	195	60	Response Text	(left just)

Purpose

This document serves as a guideline for descibing data between the billing application and Boson meter reading software. Changes and amendments are allowed.

Explanation of Fields in Export File

Customer Account Number / Service Number

Both fields can be used as a combined field or separate fields to track unique account & metering information for the billing software. Boson does not utilize any information contained in the fields but returns the exact characters in the Import file. The billing software should provide all sufficient information to precisely post reading data back into the billing software.

Customer Name

Account title - either customer name or business name.

Service Address

The physical address of the meter to be read.

Meter Comment

Remarks to be displayed on the detail screen on the handheld. Suggestions would be hazards or location of meter on the property.

Meter ID

Serial number stamped on the meter.

Meter Info Code

Additional information provided by the billing software for reference in the Export file. The data contained in this field is not used or returned by Boson.

Meter Multiplier

For information purposes only. Billing software provides any multiplier to be applied to the consumption. The multiplier IS NOT applied to the reading. The handheld software will not calculate consumption.

High read check

If the operator records a reading greater than or equal to this value, Boson will issue an warning that the High read check was exceeded.

Low read check

If the operator records a reading less than or equal to this value, Boson will issue an warning that the reading was below the Low read check.

Last Reading Date

Boson will report the last reading date on the details screen while the route is being read.

Reading Route

The route or book number of the meter. A nominal route number should be supplied even if the route number does not really exist. Values between 0001 and 9999 are acceptible.

Reading Sequence

The order the meters should be read. Boson will present the meters in the order provided in the Export file. However, during the HotSync to download the meter route to the handheld, the sequence number is verfiied to ensure the route is in the correct seqeuence.

Meter Dials

The number of digits expected to be entered by the reading operator. For instance, a Meter Dial value of 4 will reveal 4 boxes during the read. As the operator taps in digits, the boxes are removed until the boxes are depleted. Only when all digits are keyed, Boson will allow the operator to finish the reading.

If the number of Meter Dials is not known, a 0 should be provided in the Export file. A value of 0 will permit Boson to allow an arbitrary number of digits to be keyed by the operator.

Prior Reading

The previous reading which was recorded for this meter. The previous reading is provided on the Entry screen for information purposes only and is not used by Boson.

Read Type

The type of reading which is to be taken at this meter location. The reading may be taken visually (Sight), using a Touch Probe (Probe), or using AMR (Radio)

The character code to be provided:

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S=Sight
P=Probe
R=Radio
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Meter Tag No

The electronic ID associated with the meter.

This value is not used by Sight reading method and can remain all zeros.

For Touch method of reading, the value of the touch pad attached to the meter should be stored in this field. The ID is collected from the touch pad by the probe and transferred to Boson to uniquely report the meter and meter reading.

For Radio method of reading, the value of the transmitter attached to the meter should be stored in this field. The ID is collected by the receiver and transferred to Boson to uniquely report the meter and meter reading.

Explanation of Fields in Import File

Customer Account Number / Service Number

see explanation in Export File

Customer Name

see explanation in Export File

Service Address

see explanation in Export File

Reader Info Code

The field is no longer used and can be ignored.

Reading Date

The date the meter reading was made.

Initials of Operator

The operator intials of the reading operator - if prompted for by the hand-held software. Prompting for operator initials is configured by BosonDT desktop software. Expect blank characters if no initials are captured.

Reading Time

The exact hour, minute, second of the day the reading was taken.

Meter ID

see explanation in Export File

Response Code

A numeric code indicating what problem was found when trying to read the meter. The Response Codes may be the Boson default or a code specified by BosonDT for this installation.

Response Text

Notes which were taken or remarks made by the operator during the read.

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