‘Config.js’ stores JSON configuration objects used in ‘validation\_base’, ‘validation\_establishment’, and ‘validation\_shipment’ modules. Variable reflects the variable (object) name, key represents the attribute (property) in the object, and value represents the sub-attributes (sub-properties) det for each attribute.

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| **Variable: Conf1** | | **Key: mode** |
| Defines the minimum and maximum length of the number representing the combination of shipping modes. | | |
| Key: value | *min length: 1*  *max length:3* | |
| **Variable: Conf1** | | **Key: email** |
| Specifies the allowed, not allowed, and required characters for email address. The patterns used for allowed, not allowed, and required characters are represented using regex (regular expressions) which is a method used to describe a search pattern. The allowed set consists of the following: ‘a-z’ all lowercase letters; ‘A-Z’ all uppercase letters; ‘0-9’ numbers; and special characters such as !, @, etc. The not allowed characters are special characters such as (), :, etc. which are not allowed in email addresses. Finally, the required characters are the set of symbols in the correct order presented in an email address. | | |
| Key: value | *allowed: /[a-zA-Z0-9!@#$%&'\*+-/=?^\_`{|}~.]/*  *not\_allowed: /[(),:;<>[\]]/*  *required: /^.+@{1}.+[.].+$/* | |
| **Variable: Conf1** | | **Key: numeric** |
| Specifies the allowed characters for numeric input. The allowed characters are represented using regex (regular expressions) which is a method used to describe a search pattern. ‘0-9’ means all numbers are allowed. | | |
| Key: value | *allowed: /[0-9]/* | |
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| **Variable: Conf1** | | **Key: alphabetic** |
| Specifies the allowed characters for alphabetic input. The allowed characters are represented using regex (regular expressions) which is a method used to describe a search pattern. The allowed set consists of the following: ‘a-z’ lowercase letters; and ‘A-Z’ uppercase letters. | | |
| Key: value | *allowed: /[A-Za-z]/* | |
| **Variable: Conf1** | | **Key: alphanumeric** |
| Specifies the allowed characters for alphanumeric input. The allowed characters are represented using regex (regular expressions) which is a method used to describe a search pattern. The allowed set include the following: ‘a-z’ all lowercase letters; ‘A-Z’ all uppercase letters; ‘0-9’ all numbers; and other special characters such as !, @, $, etc. | | |
| Key: value | *allowed: /[^0-9a-zA-Z!@$%\*&'#/.\s]/* | |
| **Variable: Conf1** | | **Key: City** |
| Specifies the characters not allowed in the city name. ‘APO’, ‘FPO’ or ‘DPO’ are not allowed (case insensitive). | | |
| Key: value | *not\_allowed: /(APO|FPO|DPO)/i* | |
| **Variable: Conf1** | | **Key: State** |
| Specifies the characters not allowed in the state name (abbreviation) as well as minimum and maximum length. | | |
| Key: value | *not\_allowed: /(AA|AE|AP)/i*  *minlength:2*  *maxlength:2* | |
| **Variable: Conf1** | | **Key: ZipCode5** |
| Specifies the minimum and maximum length of the input for 5 digit zip code. | | |
| Key: value | *minlength:5*  *maxlength:5* | |
| **Variable: Conf1** | | **Key: ZipCode4** |
| Specifies the minimum and maximum length of the input for 4-digit zip code. | | |
| Key: value | *minlength:4*  *maxlength:4* | |
| **Variable: Conf1** | | **Key: faxNum** |
| Specifies the minimum and maximum length of the input for fax number. | | |
| Key: value | *minlength:10*  *maxlength:10* | |
| **Variable: Conf1** | | **Key: Phone\_main** |
| Specifies the minimum and maximum length of the input for phone number. | | |
| Key: value | *minlength:10*  *maxlength:10* | |
| **Variable: Conf1** | | **Key: Phone\_extent** |
| Specifies the minimum and maximum length of the input for phone number extension. | | |
| Key: value | *minlength:1*  *maxlength:7* | |
| **Variable: Conf1** | | **Key: Hour** |
| Specifies the maximum value for the ‘hour’ reported in the response preparation time. | | |
| Key: value | *maxRange:8* | |
| **Variable: Conf1** | | **Key: Ship\_date\_day** |
| Specifies the minimum and maximum value for the day in shipping date. | | |
| Key: value | *minRange:1*  *maxRange:31* | |
| **Variable: Conf1** | | **Key: Ship\_date\_month** |
| Specifies the minimum and maximum value for the month in the shipping date. | | |
| Key: value | *minRange:1*  *maxRange:12* | |
| **Variable: Conf1** | | **Key: Ship\_date\_quarter** |
| Specifies the minimum and maximum value for the quarter value. | | |
| Key: value | *minRange:1*  *maxRange:4* | |

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| **Variable: Conf1** | | **Key: Ship\_date\_year** |
| Specifies the minimum and maximum length of the input for the year in shipping date. | | |
| Key: value | *minlength:4*  *maxlength:4* | |
| **Variable: Conf1** | | **Key: totShipValue** |
| Specifies the minimum for total shipping value. | | |
| Key: value | *minRange: 1* | |
| **Variable: Conf1** | | **Key: Ship\_value** |
| Specifies the minimum for shipment value. | | |
| Key: value | *minRange: 1* | |
| **Variable: Conf1** | | **Key: Ship\_weight\_c1** |
| Specifies the minimum value for shipment weight. | | |
| Key: value | *minRange: 0* | |
| **Variable: Conf1** | | **Key: Ship\_weight\_c2** |
| Specifies the minimum value for shipment weight for NAICS sectors 33 (part of manufacturing), 42 (wholesale trade), and 45 (retail trade) with Mode 4. | | |
| Key: value | *minRange: 100* | |
| **Variable: Conf1** | | **Key: Sctg\_m1\_weight** |
| Specifies the maximum value for shipment weight when first 2 digits of SHIP\_SCTG = 02, 10, 11, 12, 14, 15, 22, 25, or 41and SHIP\_MODE includes 1. | | |
| Key: value | *maxRange: 150* | |
| **Variable: Conf1** | | **Key: Sctg\_m8\_weight** |
| Specifies the maximum value for shipment weight the first 2 digits of SHIP\_SCTG = 02, 10, 11, 12, 14, 15, 22, 25, or 41 and SHIP\_MODE includes 8. | | |
| Key: value | *maxRange: 1000* | |
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| **Variable: Conf1** | | **Key: Unna** |
| Specifies the minimum and maximum length as well as the minimum and maximum value that for UN or NA number. | | |
| Key: value | *minlength:4*  *maxlength:4*  *minRange:0004*  *maxRange:9269* | |
| **Variable: Conf1** | | **Key: Sctg** |
| Specifies the minimum and maximum length as well as the minimum and maximum value that for the SCTG code. | | |
| Key: value | *minlength:5*  *maxlength:5*  *minRange:01001*  *maxRange:43999* | |
| **Variable: Conf1** | | **Key: Tot\_ship\_week** |
| Specifies the maximum value for the total number of weekly shipments. | | |
| Key: value | *maxRange:100000* | |
| **Variable: Conf1** | | **Key: RequiredCase1** |
| Specifies the maximum number of shipments required to be reported when EDIT\_FLAG\_E2 = 1. | | |
| Key: value | *maxRange:10* | |
| **Variable: Conf1** | | **Key: requiredRatio** |
| Specifies the maximum relative deviation of the reported shipments from the required number of shipments when EDIT\_FLAG\_E2 = 1. | | |
| Key: value | *maxRange:0.2* | |
| **Variable: Conf1** | | **Key: requiredCase2** |
| Specifies the minimum number of shipments required to be reported when EDIT\_FLAG\_E2 = 2. | | |
| Key: value | *minRange:10* | |
| **Variable: Conf1** | | **Key: difReNos** |
| Specifies the maximum absolute difference between the required and reported number of shipments. | | |
| Key: value | *maxRange:1* | |
| **Variable: Conf1** | | **Key: Interval1** |
| Specifies the sampling rate, minimum, and maximum number of samples for the first sampling interval (1-400). | | |
| Key: value | *minRange:1*  *maxRange:400*  *sample\_rate:40* | |
| **Variable: Conf1** | | **Key: Interval2** |
| Specifies the sampling rate, minimum, and maximum number of samples for the second sampling interval (401 - 800). | | |
| Key: value | *minRange:401*  *maxRange:800*  *sample\_rate:200* | |
| **Variable: Conf1** | | **Key: Interval3** |
| Specifies the sampling rate, minimum, and maximum number of samples for the third sampling interval (801 - 1200). | | |
| Key: value | *minRange:801*  *maxRange:1200*  *sample\_rate:600* | |
| **Variable: Conf1** | | **Key: Interval4** |
| Specifies the sampling rate, minimum, and maximum number of samples for the fourth sampling interval (1201-3600). | | |
| Key: value | *minRange:1201*  *maxRange:3600*  *sample\_rate:600* | |
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| **Variable: Conf1** | | **Key: Interval5** |
| Specifies the sampling rate, minimum, and maximum number of samples for the fifth sampling interval (3601-4800). | | |
| Key: value | *minRange:3601*  *maxRange:4800*  *sample\_rate:1600* | |
| **Variable: Conf1** | | **Key: Interval6** |
| Specifies the sampling rate, minimum, and maximum number of samples for the sixth sampling interval (4801-8000). | | |
| Key: value | *minRange:4801*  *maxRange:8000*  *sample\_rate:1600* | |
| **Variable: Conf1** | | **Key: Interval7** |
| Specifies the sampling rate, minimum, and maximum number of samples for the seventh sampling interval (8001-80000). | | |
| Key: value | *minRange:8001*  *maxRange:80000*  *sample\_rate:4000* | |
| **Variable: Conf1** | | **Key: Interval8** |
| Specifies the sampling rate, minimum, and maximum number of samples for the eighth sampling interval (80000- infinity). | | |
| Key: value | *minRange:80000*  *maxRange: infinity*  *sample\_rate:8000* | |
| **Variable: Conf1** | | **Key: Naics** |
| Specifies the minimum and maximum length, and the minimum and maximum value for NAICS code. | | |
| Key: value | *minlength:2*  *maxlength:6*  *minRange:11*  *maxRange:928120* | |

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| **Variable: Conf1** | | **Key: Atv** |
| Specifies the minimum and maximum value for ATV. | | |
| Key: value | *minRange:0*  *maxRange: infinity* | |
| **Variable: ATV\_MOS\_case1** | | **Key: Dif** |
| Specifies the maximum absolute difference between ATV and MOS when EDIT\_FLAG\_E3 = 1. | | |
| Key: value | *maxRange: 1000000* | |
| **Variable: ATV\_MOS\_case1** | | **Key: Ratio** |
| Specifies the minimum and maximum MOS/ATV ratio when EDIT\_FLAG\_E3 = 1. | | |
| Key: value | *minRange:0.2*  *maxRange: 5* | |
| **Variable: ATV\_MOS\_case2** | | **Key: Dif** |
| Specifies the maximum absolute difference between ATV and MOS when EDIT\_FLAG\_E3 = 2. | | |
| Key: value | *maxRange: 20000* | |
| **Variable: ATV\_MOS\_case2** | | **Key: estabWeight** |
| Specifies the maximum establishment weight when EDIT\_FLAG\_E3 = 2. | | |
| Key: value | *maxRange: 5* | |
| **Variable: ATV\_MOS\_case2** | | **Key: Ratio** |
| Specifies the minimum and maximum MOS/ATV ratio when EDIT\_FLAG\_E3 = 2. | | |
| Key: value | *minRange:0.1*  *maxRange: 10* | |