‘flags.js’ stores JSON objects for the error flags used in ‘validation\_establishment’, and ‘validation\_shipment’ modules. In this document, variable reflects the variable name storing the flags, key represents the flag identification code, and values represents the attributes such as flag short name, flag value, flag long name, flag description, and priority.

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| **Variable: flags** | | **Key: S1\_1** |
| This flag is set when the shipment destination ZIP code starts with any of the military zip code prefixes referenced in lkup5. | | |
| Key: value | *flag: "S1",*  *value: 1,*  *name: "overseas\_military\_zip",*  *msg: "U.S. destination ZIP contains an overseas military address.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S1\_2** |
| This flag is set when shipment destination state, city, and ZIP code are valid, however their combination does not exist in lkup4. | | |
| Key: value | *flag: "S1",*  *value: 2,*  *name: "inv\_zip\_state",*  *msg: "U.S. destination state/zip combination is invalid.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S2\_1** |
| This flag is set when no value is provided for the shipment transportation mode. | | |
| Key: value | *flag: "S2",*  *value: 1,*  *name: "miss\_mode",*  *msg: "Mode of transportation is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S2\_2** |
| This flag is set when the entered value for the shipment transportation mode contains non-numeric characters. | | |
| Key: value | *flag: "S2",*  *value: 2,*  *name: "nonNumeric\_mode",*  *msg: "Mode of transportation is not numeric.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S2\_3** |
| This flag is set when the entered value for the transportation mode contains invalid modes or combinations of modes. Valid shipment transportation modes are listed in lkup3. | | |
| Key: value | *flag: "S2",*  *value: 3,*  *name: "inv\_mode",*  *msg: "Mode of transportation contains a numeric entry, but is not a valid mode including multi-mode.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S3\_1** |
| This flag is set when no value is provided for the shipment SCTG code attribute. | | |
| Key: value | *flag: "S3",*  *value: 1,*  *name: "miss\_sctg",*  *msg: "SCTG commodity code is missing.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S3\_2** |
| This flag is set when the value entered for the shipment SCTG code attribute is invalid. Valid SCTG codes are listed in lkup1. | | |
| Key: value | *flag: "S3",*  *value: 2,*  *name: "notFound\_sctg",*  *msg: "SCTG commodity code is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S3\_3** |
| This flag is set when the value entered for the shipment SCTG code attribute starts with 16. | | |
| Key: value | *flag: "S3",*  *value: 3,*  *name: "16xxx\_sctg",*  *msg: "SCTG commodity code is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S4\_1** |
| This flag is set when the first two digits of the SCTG code is not among the values listed in ‘lkup6’ (13, 14, 17, 18, 19, or 20) while shipping mode includes values listed in ‘lkup26’ (7). | | |
| Key: value | *flag: "S4",*  *value: 1,*  *name: "inv\_sctg\_mode7",*  *msg: "SCTG commodity code is invalid: mode includes pipeline (7).",*  *priority: ""* | |

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| **Variable: flags** | | **Key: S4\_2** |
| This flag is set when the first two digits of SCTG code is among the values listed in ‘lkup7’ (02, 10, 11, 12, 14, 15, 22, 25, or 41) and shipping mode includes values listed in ‘lkup27’ (1), while shipping weight exceeds 150lbs or the first two digits of SCTG code is among the values listed in ‘lkup8’ (17, or 18), shipping mode includes values listed in ‘lkup27’ (1), shipping weight exceeds 150lbs, and state is not equal to ‘AK’. | | |
| Key: value | *flag: "S4",*  *value: 2,*  *name: "inv\_sctg\_mode1\_weight\_state",*  *msg: "SCTG commodity code is invalid: mode includes parcel (1), shipment weight and state provided.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S4\_3** |
| This flag is set when the first two digits of SCTG code is among the values listed in ‘lkup7’ (02, 10, 11, 12, 14, 15, 22, 25, or 41), shipping mode includes modes listed in ‘lkup28’ (8), and shipping weight exceeds 1,000 lbs. or the first two digits of SCTG code is among the values listed in ‘lkup8’ (17, or 18), shipping mode includes values listed in ‘lkup28’ (8), shipping weight exceeds 1,000 lbs., and state is not equal to ‘AK’. | | |
| *Key: value* | *flag: "S4",*  *value: 3,*  *name: "inv\_sctg\_mode8\_weight\_state",*  *msg: "SCTG commodity code is invalid: mode includes air (8), shipment weight and state provided.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S5\_1** |
| This flag is set when no value is entered for the shipment value attribute. | | |
| Key: value | *flag: "S5",*  *value: 1,*  *name: "miss\_ship\_value",*  *msg: "Shipment value is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S5\_2** |
| This flag is set when a non-positive number is entered for the shipment value attribute. | | |
| Key: value | *flag: "S5",*  *value: 2,*  *name: "nonPositive\_ship\_value",*  *msg: "Shipment value is invalid. The value must be greater than zero."*  *priority:* *1* | |

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| **Variable: flags** | | **Key: S6\_1** |
| This flag is set when no value is provided for the shipment weight attribute. | | |
| Key: value | *flag: "S6",*  *value: 1,*  *name: "miss\_ship\_weight",*  *msg: "Shipment weight is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S6\_2** |
| This flag is set when a non-positive value is provided for the shipment weight attribute. | | |
| Key: value | *flag: "S6",*  *value: 2,*  *name: "nonPositive\_ship\_weight",*  *msg: "Shipment weight is invalid. The value must be greater than zero.",*  *priority: 1* | |
| **Variable: flags** | | **Key: S7\_1** |
| This flag is set when the value entered for the shipment weight exceeds the maximum thresholds for select modes of transportation. Maximum weights and modes are listed in ‘lkup20’. | | |
| *Key: value* | *flag: "S7",*  *value: 1,*  *name: "maxWeight\_threshold\_mode",*  *msg: "Shipment weight exceeds maximum weight for modes 1, 2, 3, 8, 12, 13, 18, 21, 31 and 81.",*  *priority: 1* | |
| **Variable: flags** | | **Key: S7\_2** |
| This flag is set when the value entered for the shipment weight is less than the minimum thresholds for select modes of transportation. Minimum weights and modes are listed in ‘lkup20’. | | |
| Key: value | *flag: "S7",*  *value: 2,*  *name: "minWeight\_threshold\_mode",*  *msg: "Shipment weight is less than minimum weight for modes 4, 5 and 6.",*  *priority: 1* | |
| **Variable: flags** | | **Key: S8\_1** |
| This flag is set when the value to weight ratio for select two-digit SCTG codes listed in ‘lkup18’ is less than the specified minimum value to weight ratio (in ‘lkup1’). | | |
| Key: value | *flag: "S8",*  *value: 1,*  *name: "vw\_sctg\_lessThanExpected",*  *msg: "Shipment value to weight ratio is less than excpected for the 2-digit SCTG commodity codes of 02, 10, 11, 12, 13, 14, 15, 19, 22, 25, 31, 32 and 33.",*  *priority: 2* | |
| **Variable: flags** | | **Key: S8\_2** |
| This flag is set when the value to weight ratio for select two-digit SCTG codes listed in ‘lkup18’ is greater than the specified maximum value to weight ratio (in ‘lkup1’). | | |
| Key: value | *flag: "S8",*  *value: 2,*  *name: "vw\_sctg\_greaterThanExpected",*  *msg: "Shipment value to weight ratio is greater than excpected for the 2-digit SCTG commodity codes of 02, 10, 11, 12, 13, 14, 15, 19, 22, 25, 31, 32 and 33.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S8\_3** |
| This flag is set when the value to weight ratio for select two-digit SCTG codes listed in ‘lkup19’ is less than the specified minimum value to weight ratio (in ‘lkup1’). | | |
| Key: value | *flag: "S8",*  *value: 3,*  *name: "vw\_sctg16\_17\_18\_lessThanExpected",*  *msg: "Shipment value to weight ratio is less than excpected for the 2-digit SCTG commodity codes of 16, 17 and 18.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S8\_4** |
| This flag is set when the value to weight ratio for select two-digit SCTG codes listed in ‘lkup19’ is greater than the specified maximum value to weight ratio (in ‘lkup1’). | | |
| Key: value | *flag: "S8",*  *value: 4,*  *name: "vw\_sctg16\_17\_18\_greaterThanExpected",*  *msg: "Shipment value to weight ratio is greater than excpected for the 2-digit SCTG commodity codes of 16, 17 and 18.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S8\_5** |
| This flag is set when the value to weight ratio for two-digit SCTG codes other than those listed in ‘lkup18’ and ‘lkup19’ is less than the minimum value to weight ratio (specified in ‘lkup1’). | | |
| Key: value | *flag: "S8",*  *value: 5,*  *name: "vw\_allSctg\_lessThanExpected",*  *msg: "Shipment value to weight ratio is less than excpected for SCTG commodity code provided.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S8\_6** |
| This flag is set when the value to weight ratio for two-digit SCTG codes other than those listed in ‘lkup18’ and ‘lkup19’ is greater than the maximum value to weight ratio (specified in ‘lkup1’). | | |
| Key: value | *flag: "S8",*  *value: 6,*  *name: "vw\_allSctg\_greaterThanExpected",*  *msg: "Shipment value to weight ratio is greater than excpected for SCTG commodity code provided.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S9\_1** |
| This flag is set when the SCTG code is one of the values specified in ‘lkup12’, but UNNA code is not provided. | | |
| Key: value | *flag: "S9",*  *value: 1,*  *name: "sctg\_miss\_unna",*  *msg: "The 4-digit 'UN' or 'NA' number for SCTG commodity code provided is missing.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S9\_2** |
| This flag is set when the value entered for UNNA code attribute is not found in ‘lkup2’ which contains all valid UNNA codes. | | |
| Key: value | *flag: "S9",*  *value: 2,*  *name: "notFound\_unna",*  *msg: "The 4-digit 'UN' or 'NA' number is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S9\_3** |
| This flag is set when the value provided for UNNA code is valid (found in ‘lkup2’), however the SCTG code is not among the values provided in ‘lkup13’. | | |
| Key: value | *flag: "S9",*  *value: 3,*  *name: "notAllowed\_sctg\_unna",*  *msg: "SCTG commodity code/'UN' or 'NA' number combination is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S9\_4** |
| This flag set when the SCTG code is among the values listed in ‘lkup31’, but the combination of SCTG and UNNA codes are not acceptable. | | |
| Key: value | *flag: "S9",*  *value: 4,*  *name: "inv\_sctg\_unna",*  *msg: "SCTG commodity code/'UN' or 'NA' number combination is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S10\_0** |
| This flag set when the partial NAICS and SCTG codes match a record in ‘lkup17’ with the flag value provided in ‘lkup17’ equal to 0. | | |
| Key: value | *flag: "S10",*  *value: 0,*  *name: "sctg\_naics\_provisionalPass",*  *msg: "NAICS code/SCTG commodity code combination is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S10\_1** |
| This flag set when the partial NAICS and SCTG codes match a record in ‘lkup17’ with the flag value provided in ‘lkup17’ equal to 1. | | |
| Key: value | *flag: "S10",*  *value: 1,*  *name: "sctg\_naics\_provisionalPass",*  *msg: "NAICS code/SCTG commodity code combination is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S10\_2** |
| This flag set when the partial NAICS and SCTG codes match a record in ‘lkup17’ with the flag value provided in ‘lkup17’ equal to 2. | | |
| Key: value | *flag: "S10",*  *value: 2,*  *name: "sctg\_naics\_provisionalStop",*  *msg: "NAICS code/SCTG commodity code combination is invalid.",*  *priority: 2* | |
| **Variable: flags** | | **Key: S10\_3** |
| This flag set when the partial NAICS and SCTG codes match a record in ‘lkup17’ with the flag value provided in ‘lkup17’ equal to 3. | | |
| Key: value | *flag: "S10",*  *value: 3,*  *name: "sctg\_naics\_automaticStop",*  *msg: "NAICS code/SCTG commodity code combination is invalid.",*  *priority: 2* | |
| **Variable: flags** | | **Key: S11\_1** |
| This flag is set when no value is provided for the shipment temperature control attribute. | | |
| Key: value | *flag: "S11",*  *value: 1,*  *name: "miss\_tempCont",*  *msg: "No selection is made.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S11\_2** |
| This flag is set when the value provided for the shipment temperature control attribute is invalid. Valid values are listed in ‘lkup25’. | | |
| Key: value | *flag: "S11",*  *value: 2,*  *name: "inv\_tempCont",*  *msg: "Input is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S12\_1** |
| This flag set when the value provided for temperature control attribute, and the SCTG code combination is invalid. ‘lkup9’ contains the list of tow-digit SCTG codes that cannot be combined with response yes for temperature control attribute. | | |
| Key: value | *flag: "S12",*  *value: 1,*  *name: "inv\_sctg\_tempContY",*  *msg: "SCTG commodity code is invalid with a positive temperature control response.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S12\_2** |
| This flag is set when the value provided for temperature control attribute and SCTG code combination is invalid. ‘lkup10’ contains the list of two-digit SCTG codes that cannot be combined with response yes for temperature control attribute. | | |
| Key: value | *flag: "S12",*  *value: 2,*  *name: "inv\_sctg\_tempContY",*  *msg: "SCTG commodity code is invalid with a positive temperature control response.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S12\_3** |
| This flag is set when the value provided for temperature control attribute and SCTG code combination is invalid. ‘lkup11’ contains the list of two-digit SCTG codes that cannot be combined with response no for temperature control attribute. | | |
| Key: value | *flag: "S12",*  *value: 3,*  *name: "inv\_sctg\_tempContN",*  *msg: "SCTG commodity code is invalid with a negative temperature control response.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S13\_1** |
| This flag is set when the value provided for temperature control attribute and transportation mode combination is invalid. Transportation mode 7 cannot be combined with response yes for the temperature control attribute. | | |
| Key: value | *flag: "S13",*  *value: 1,*  *name: "mode7\_tempContY",*  *msg: "Temperature control response is invalid with pipeline (7) as mode of transport.",*  *priority: 2* | |
| **Variable: flags** | | **Key: S14\_1** |
| This flag is set when the value provided for shipment month is 1,2, or 3 but shipment quarter is not 1. | | |
| Key: value | *flag: "S14",*  *value: 1,*  *name: "ship\_month\_quarter1",*  *msg: "Shipment date (month) is not within the quarter reported.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S14\_2** |
| This flag is set when the value provided for shipment month is 4,5, or 6 but shipment quarter is not 2. | | |
| Key: value | *flag: "S14",*  *value: 2,*  *name: "ship\_month\_quarter2",*  *msg: "Shipment date (month) is not within the quarter reported.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S14\_3** |
| This flag is set when the value provided for shipment month is 7,8, or 9 but shipment quarter is not 3. | | |
| Key: value | *flag: "S14",*  *value: 3,*  *name: "ship\_month\_quarter3",*  *msg: "Shipment date (month) is not within the quarter reported.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S14\_4** |
| This flag is set when the value provided for shipment month is 10,11, or 12 but shipment quarter is not 4. | | |
| Key: value | *flag: "S14",*  *value: 4,*  *name: "ship\_month\_quarter4",*  *msg: "Shipment date (month) is not within the quarter reported.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S14\_5** |
| This flag is set when no value is provided for the shipment month attribute. | | |
| Key: value | *flag: "S14",*  *value: 5,*  *name: "miss\_ship\_month",*  *msg: "Shipment date (month) is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S15** |
| This flag is set when an auto-fill error is detected. Auto-fill error is detected when 3 or more consecutive values incremented by 1 are found for SHIPMENT\_VALUE, SHIPMENT\_WEIGHT, SCTG\_COMMODITY\_CODE, DOMESTIC\_TRANSPORT\_MODE, HAZMAT\_CODE, or DOMESTIC\_ZIP\_CODE. | | |
| Key: value | *flag: "S15",*  *value: [Number of variables for which auto-fill error is detected],*  *name: "autoFill\_error",*  *msg: "Autofill error on : “[list of variable names for which auto-fill error is detected],*  *priority: 2* | |

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| **Variable: flags** | | **Key: S16\_1** |
| This flag is set when the value entered of the export mode, and the export country combination is invalid. If the export mode entered is one of the modes listed in ‘lkup29’ and the export country is not listed in ‘lkup33’ then it is considered an invalid combination. | | |
| Key: value | *flag: "S16",*  *value: 1,*  *name: "inv\_mode\_exportCountry",*  *msg: "Export mode of transport (truck or rail) is invalid for countries other than Mexico or Canada.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S17\_1** |
| This flag is set when the export country is Canada, and the export city name does not exist in ‘lkup14’. | | |
| Key: value | *flag: "S17",*  *value: 1,*  *name: "inv\_exportCity\_country",*  *msg: "Export city is invalid for Canada or Mexico.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S17\_2** |
| This flag is set when the value entered for the export country is not found in ‘lkup16’. | | |
| Key: value | *flag: "S17",*  *value: 2,*  *name: "inv\_exportCountry",*  *msg: "Export country is invalid.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S30\_1** |
| This flag is set when the value entered for the total number of outbound shipments contains non-numeric characters. | | |
| Key: value | *flag: "S30",*  *value: 1,*  *name: "nonNumeric\_numberOfShip",*  *msg: "Total number of outbound shipments is not numeric.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S30\_2** |
| This flag is set when no value is entered for the total number of outbound shipments. | | |
| Key: value | *flag: "S30",*  *value: 2,*  *name: "miss\_numberOfShip",*  *msg: "Total number of outbound shipments is missing.",*  *priority: ""* | |
| **Variable: flags** | | **Key: S31\_1** |
| This flag is set when the value provided for the total value of shipments contains non-numeric characters. | | |
| Key: value | *flag: "S31",*  *value: 1,*  *name: "nonNumeric\_totShipValue",*  *msg: "Total value of shipments is not numeric.",*  *priority: 1* | |
| **Variable: flags** | | **Key: S31\_2** |
| This flag is set when no value is provided for the total value of shipments. | | |
| Key: value | *flag: "S31",*  *value: 2,*  *name: "miss\_totShipValue",*  *msg: "Total value of shipments is missing.",*  *priority: 1* | |
| **Variable: flags** | | **Key: S31\_20** |
| This flag is set when the value entered for the total value of shipments is zero. | | |
| Key: value | *flag: "S31",*  *value: "20",*  *name: "zero\_totShipValue",*  *msg: "Total value of shipments is invalid. The value must be greater than zero.",*  *priority: 1* | |
| **Variable: flags** | | **Key: S32\_2** |
| This flag is set when no value is provided for ‘more than 40 shipments’ attribute. | | |
| Key: value | *flag: "S32",*  *value: 2,*  *name: "miss\_moreThan40ship",*  *msg: "No selection is made.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S32\_5** |
| This flag is set when the value entered for ‘more than 40 shipments’ attribute is invalid. Valid inputs for this attribute are listed in ‘lkup25’. | | |
| Key: value | *flag: "S32",*  *value: 5,*  *name: "inv\_moreThan40ship",*  *msg: "Input is invalid.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S33\_1** |
| This flag is set when the value provided for the shipment ID attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "S33",*  *value: 1,*  *name: "nonAlphanumeric\_ship\_ID",*  *msg: "Shipment ID number is not alphanumeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S33\_2** |
| This flag is set when no value is provided for shipment ID attribute. | | |
| Key: value | *flag: "S33",*  *value: 2,*  *name: "miss\_ship\_ID",*  *msg: "Shipment ID number is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S34\_1** |
| This flag is set when the value provided for shipment month attribute contains non-numeric characters. | | |
| Key: value | *flag: "S34",*  *value: 1,*  *name: "nonNumeric\_ship\_date\_month",*  *msg: "Shipment date (month) is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S34\_20** |
| This flag is set when the value entered for shipment month attribute is not in the allowed range (1-12). | | |
| Key: value | *flag: "S34",*  *value: "20",*  *name: "outOfRange\_ship\_date\_month",*  *msg: "Shipment date (month) is not in range.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S35\_1** |
| This flag is set when the value entered for shipment day attribute contains non-numeric characters. | | |
| Key: value | *flag: "S35",*  *value: 1,*  *name: "nonNumeric\_ship\_date\_day",*  *msg: "Shipment date (day) is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S35\_2** |
| This flag is set when no value is provided for shipment day attribute. | | |
| Key: value | *flag: "S35",*  *value: 2,*  *name: "miss\_ship\_date\_day",*  *msg: "Shipment date (day) is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S35\_20** |
| This flag is set when the value entered for shipment day attribute is not in the allowed range (1-31). | | |
| *Key: value* | *flag: "S35",*  *value: "20",*  *name: "outOfRange\_ship\_date\_day",*  *msg: "Shipment date (day) is not in range.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S36\_1** |
| This flag is set when the value entered for total shipment value attribute contains non-numeric characters. | | |
| Key: value | *flag: "S36",*  *value: 1,*  *name: "nonNumeric\_shipValue",*  *msg: "Shipment value is not numeric.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S37\_1** |
| This flag is set when the value entered for shipment weight attribute contains non-numeric characters. | | |
| Key: value | *flag: "S37",*  *value: 1,*  *name: "nonNumeric\_shipWeight",*  *msg: "Shipment weight is not numeric.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S38\_1** |
| This flag is set when the value provided for SCTG code attribute contains non-numeric characters. | | |
| *Key: value* | *flag: "S38",*  *value: 1,*  *name: "nonNumeric\_sctg",*  *msg: "SCTG commodity code is not numeric.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S38\_4** |
| This flag is set when the value entered for SCTG code attribute is not a 5 digits number. | | |
| Key: value | *flag: "S38",*  *value: 4,*  *name: "inv\_sctg",*  *msg: "SCTG commodity code is not a 5-digit number.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S38\_20** |
| This flag is set when the value entered for SCTG code attribute is not in the allowed range (01001-43999). | | |
| Key: value | *flag: "S38",*  *value: "20",*  *name: "outOfRange\_sctg",*  *msg: "SCTG commodity code is not in range.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: S39\_1** |
| This flag is set when the value entered for SCTG description attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "S39",*  *value: 1,*  *name: "nonAlphanumeric\_sctg\_descr",*  *msg: "Commodity description is not alphanumeric.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S39\_2** |
| This flag is set when no value is provided for SCTG description attribute. | | |
| Key: value | *flag: "S39",*  *value: 2,*  *name: "miss\_sctg\_descr",*  *msg: "Commodity description is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S40\_1** |
| This flag is set when the value entered for UNNA code attribute contains non-numeric characters. | | |
| Key: value | *flag: "S40",*  *value: 1,*  *name: "nonNumeric\_unna",*  *msg: "'UN' or 'NA' code is not numeric.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S40\_4** |
| This flag is set when the value entered for UNNA code is not a 4-digit number. | | |
| Key: value | *flag: "S40",*  *value: 4,*  *name: "inv\_unna",*  *msg: "'UN' or 'NA' code is not a 4-digit number.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S40\_20** |
| This flag is set when the value entered for UNNA code is not in the allowed range (0004-9269). | | |
| Key: value | *flag: "S40",*  *value: "20",*  *name: "outOfRange\_unna",*  *msg: "'UN' or 'NA' code is not in range.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S41\_1** |
| This flag is set when the value entered for shipment destination city attribute contains non-alphabetic characters. | | |
| Key: value | *flag: "S41",*  *value: 1,*  *name: "nonAlphabetic\_destinationCity",*  *msg: "U.S. destination (city) is not alphabetic.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S41\_2** |
| This flag is set when no value is provided for destination city attribute. | | |
| Key: value | *flag: "S41",*  *value: 2,*  *name: "miss\_destinationCity",*  *msg: "U.S. destination (city) is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S41\_5** |
| This flag is set when the value entered for destination city attribute contains invalid characters. | | |
| Key: value | *flag: "S41",*  *value: 5,*  *name: "invChar\_destinationCity",*  *msg: "U.S. destination (city) has invalid character (a value of APO, FPO, and DPO).",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S42\_1** |
| This flag is set when the value entered for destination state attribute contains non-alphabetic characters. | | |
| Key: value | *flag: "S42",*  *value: 1,*  *name: "nonAlphabetic\_destinationState",*  *msg: "U.S. destination (state) is not alphabetic.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S42\_2** |
| This flag is set when no value is provided for destination state attribute. | | |
| Key: value | *flag: "S42",*  *value: 2,*  *name: "miss\_destinationState",*  *msg: "U.S. destination (state) is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S42\_4** |
| This flag is set when the value entered for destination state attribute is not a two letter string of characters. | | |
| Key: value | *flag: "S42",*  *value: 4,*  *name: "inv\_destinationState",*  *msg: "U.S. destination (state) is not a two-letter abbreviation.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S42\_5** |
| This flag is set when the value entered for destination state is AA, AE, or AP. | | |
| Key: value | *flag: "S42",*  *value: 5,*  *name: "invChar\_destinationState",*  *msg: "U.S. destination (state) has invalid character (a value of AA, AE, and AP).",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S42\_22** |
| This flag is set when the value entered for destination state attribute is not one of the values listed in ‘lkup32’. | | |
| Key: value | *flag: "S42",*  *value: "22",*  *name: "notFound\_destinationState",*  *msg: "U.S. destination (state) is invalid.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S43\_1** |
| This flag is set when the value entered for destination state attribute contains non-numeric characters. | | |
| Key: value | *flag: "S43",*  *value: 1,*  *name: "nonNumeric\_destinationZip",*  *msg: "U.S. destination (zip) is not numeric.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S43\_2** |
| This flag is set when no value is provided for shipment destination zip code attribute. | | |
| Key: value | *flag: "S43",*  *value: 2,*  *name: "miss\_destinationZip",*  *msg: "U.S. destination (zip) is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S43\_4** |
| This flag is set when the value entered for shipment destination zip code attribute is not a 5-digit number. | | |
| Key: value | *flag: "S43",*  *value: 4,*  *name: "inv\_destinationZip",*  *msg: "U.S. destination (zip) is not a 5-digit number.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S43\_22** |
| This flag is set when the value entered for destination zip code attribute is not among the values listed in ‘lkup4’. | | |
| Key: value | *flag: "S43",*  *value: "22",*  *name: "notFound\_destinationZip",*  *msg: "U.S. destination (zip) is invalid.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S44\_4** |
| This flag is set when the value entered for transportation mode attribute is not between 1-3 digits. | | |
| Key: value | *flag: "S44",*  *value: 4,*  *name: "outOfRange\_mode",*  *msg: "Mode of transport is not in range.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S45\_2** |
| This flag is set when no value is provided for export (yes/no) attribute. | | |
| Key: value | *flag: "S45",*  *value: 2,*  *name: "YN\_export",*  *msg: "No selection is made.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S45\_5** |
| This flag is set when the value entered for export attribute is invalid. Valid inputs are listed in ‘lkup25’. | | |
| Key: value | *flag: "S45",*  *value: 5,*  *name: "inv\_export",*  *msg: "Input is invalid.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S46\_1** |
| This flag is set when the value entered for export city attribute contains non-alphabetic characters. | | |
| Key: value | *flag: "S46",*  *value: 1,*  *name: "nonAlphabetic\_exportCity",*  *msg: "Foreign destination (city) is not alphabetic.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S46\_2** |
| This flag is set when no value is provided for export city attribute. | | |
| Key: value | *flag: "S46",*  *value: 2,*  *name: "miss\_exportCity",*  *msg: "Foreign destination (city) is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S47\_1** |
| This flag is set when the value entered for export country attribute is contains non-alphabetic characters. | | |
| Key: value | *flag: "S47",*  *value: 1,*  *name: "nonAlphabetic\_exportCountry",*  *msg: "Foreign destination (country) is not alphabetic.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S47\_2** |
| This flag is set when no value is provided for export country attribute. | | |
| Key: value | *flag: "S47",*  *value: 2,*  *name: "miss\_exportCountry",*  *msg: "Foreign destination (country) is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S48\_1** |
| This flag is set when the value entered for export mode attribute contains non-numeric characters. | | |
| Key: value | *flag: "S48",*  *value: 1,*  *name: "nonNumeric\_exportMode",*  *msg: "Export mode of transport is not numeric.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S48\_2** |
| This flag is set when no value is provided for export mode attribute. | | |
| Key: value | *flag: "S48",*  *value: 2,*  *name: "miss\_exportMode",*  *msg: "Export mode of transport is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: S49\_1** |
| This flag is set when the value entered for NAICS code attribute is contains non-numeric characters. | | |
| Key: value | *flag: "S49",*  *value: 1,*  *name: "nonNumeric\_NAICS",*  *msg: "NAICS code is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S49\_2** |
| This flag is set when no value is provided for NAICS code attribute. | | |
| Key: value | *flag: "S49",*  *value: 2,*  *name: "miss\_NAICS",*  *msg: "NAICS code is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S49\_4** |
| This flag is set when the value entered for NAICS code attribute is not between 2-6 digits. | | |
| Key: value | *flag: "S49",*  *value: 4,*  *name: "inv\_NAICS",*  *msg: "Number of NAICS code's digit is invalid.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S49\_20** |
| This flag is set when the value entered for NAICS code attribute is not in the allowed range (11-928120). | | |
| Key: value | *flag: "S49",*  *value: "20",*  *name: "outOfRange\_NAICS",*  *msg: "NAICS code is not in range.",*  *priority: 3* | |
| **Variable: flags** | | **Key: S50\_1** |
| This flag is set when the value entered for MOS (measure of size) attribute contains non-numeric characters. | | |
| Key: value | *flag: "S50",*  *value: 1,*  *name: "nonNumeric\_MOS",*  *msg: "MOS is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S50\_2** |
| This flag is set when no value is provided for MOS attribute. | | |
| Key: value | *flag: "S50",*  *value: 2,*  *name: "miss\_MOS",*  *msg: "MOS is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S51\_1** |
| This flag is set when the value entered for ATV attribute is contains non-numeric characters. | | |
| Key: value | *flag: "S51",*  *value: 1,*  *name: "nonNumeric\_ATV",*  *msg: "ATV is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S51\_2** |
| This flag is set when no value is provided for ATV attribute. | | |
| Key: value | *flag: "S51",*  *value: 2,*  *name: "miss\_ATV",*  *msg: "ATV is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S51\_20** |
| This flag is set when the value entered for ATV attribute is not in the allowed range (0-infinity). | | |
| Key: value | *flag: "S51",*  *value: "20",*  *name: "outOfRange\_ATV",*  *msg: "ATV is not in range.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S52\_1** |
| This flag is set when the value entered for shipment quarter attribute contains non-numeric characters. | | |
| Key: value | *flag: "S52",*  *value: 1,*  *name: "nonNumeric\_ship\_date\_quarter",*  *msg: "Shipment date (quarter) is not numeric.",*  *priority: 3* | |
| **Variable: flags** | | **Key: S52\_2** |
| This flag is set when no value is entered for shipment quarter attribute. | | |
| Key: value | *flag: "S52",*  *value: 2,*  *name: "miss\_ship\_date\_quarter",*  *msg: "Shipment date (quarter) is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: S52\_20** |
| This flag is set when the value entered for shipment quarter attribute is not in the allowed range (1-4). | | |
| Key: value | *flag: "S52",*  *value: "20",*  *name: "outOfRange\_ship\_date\_quarter",*  *msg: "Shipment date (quarter) is not in range.",*  *priority: 3* | |
| **Variable: flags** | | **Key: E4\_1** |
| This flag is set when the value entered for shipping state and zip code combination is invalid. A list of all valid combinations of state, city and zip code are listed in ‘lkup4’. | | |
| Key: value | *flag: "E4",*  *value: 1,*  *name:"shipAddress\_inv\_state\_zip",*  *msg: "Shipping address state/zip combination is invalid.",*  *priority: 1* | |
| **Variable: flags** | | **Key: E4\_3** |
| This flag is set when the value entered for the shipping state attribute contains invalid characters. | | |
| Key: value | *flag: "E4",*  *value: 3,*  *name: "shipAddress\_invChar\_state",*  *msg: "Shipping address (state) has invalid character (a value of P.O.Box).",*  *priority: 1* | |

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| **Variable: flags** | | **Key: E5\_1** |
| This flag is set when the value entered for operating status is not consistent with ceased operation date. | | |
| Key: value | *flag: "E5",*  *value: 1,*  *name: "operatingStatus\_dateOfCeased",*  *msg: "Ceased operation is selected for the establishment operating status or a date for ceased operation is provided.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E6\_1** |
| This flag is set when the value provided for mailing state and zip code combination is invalid. All valid combinations of state, city name and zip codes are listed in ‘lkup4’. | | |
| Key: value | *flag: "E6",*  *value:1,*  *name: "mailAddress\_inv\_state\_zip",*  *msg: "Mailing address state/zip combination is invalid.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E7\_1** |
| This flag is set when the value entered for fax number contains non-numeric characters. | | |
| Key: value | *flag: "E7",*  *value: 1,*  *name: "nonNumeric\_fax",*  *msg: "Fax number in not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E7\_2** |
| This flag is set when the value entered for fax number is not a 10-digit number. | | |
| Key: value | *flag: "E7",*  *value: 2,*  *name: "inv\_fax",*  *msg: "Fax number is not a 10 digit number.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E10\_1** |
| This flag is set when no value is provided for survey completion time attribute. | | |
| Key: value | *flag: "E10",*  *value: 1,*  *name: "miss\_completeTime",*  *msg: "Completion time (hours or minutes) are missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E10\_2** |
| This flag is set when the value entered for survey completion time attribute contains non-numeric characters. | | |
| Key: value | *flag: "E10",*  *value: 2,*  *name: "nonNumeric\_completeTime",*  *msg: "Completion time (hours or minutes) are not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E10\_3** |
| This flag is set when the value entered for survey completion time attribute is not in the allowed range (<8). | | |
| Key: value | *flag: "E10",*  *value: 3,*  *name: "8hours\_completeTime",*  *msg: "The value of completion time is more than 8 hours.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E21\_1** |
| This flag is set when the value entered for company name 1 attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "E21",*  *value: 1,*  *name: "nonAlphanumeric\_companyShipName1",*  *msg: "Shipping company name is not alphanumeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E21\_2** |
| This flag is set when no value is provided for company name 1 attribute. | | |
| Key: value | *flag: "E21",*  *value: 2,*  *name: "miss\_companyShipName1",*  *msg: "Shipping company name 1 is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E22\_1** |
| This flag is set when the value entered for company name 2 attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "E22",*  *value: 1,*  *name: "nonAlphanumeric\_companyShipName2",*  *msg: "Shipping company name 2 is not alphanumeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E22\_2** |
| This flag is set when no value is provided for company name 2 attribute. | | |
| Key: value | *flag: "E22",*  *value: 2,*  *name: "miss\_companyShipName2",*  *msg: "Shipping company name 2 is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E23\_1** |
| This flag is set when the value provided for shipping address attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "E23",*  *value: 1,*  *name: "nonAlphanumeric\_shipAddress",*  *msg: "Shipping address is not alphanumeric. ",*  *priority: 1* | |

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| **Variable: flags** | | **Key: E23\_2** |
| This flag is set when no value is provided for shipping address attribute. | | |
| Key: value | *flag: "E23",*  *value: 2,*  *name: "miss\_shipAddress",*  *msg: "Shipping address is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: E23\_5** |
| This flag is set when the value entered for shipping address attribute contains invalid characters. | | |
| Key: value | *flag: "E23",*  *value: 5,*  *name: "invChar\_shipAddress",*  *msg: "Shipping address contains invalid characters (a value of P\_O\_/P.O\_/P..B/P.O\_/P.O./PO\_B/PO\_D/POB\_/POST).",*  *priority: 1* | |

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| **Variable: flags** | | **Key: E24\_1** |
| This flag is set when the value entered for shipping address city attribute is contains non-alphabetic characters. | | |
| Key: value | *flag: "E24",*  *value: 1,*  *name: "nonAlphabetic\_shipCity",*  *msg: "Shipping address city is not alphabetic.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E24\_2** |
| This flag is set when no value is provided for shipping address city attribute. | | |
| Key: value | *flag: "E24",*  *value: 2,*  *name: "miss\_shipCity",*  *msg: "Shipping address city is missing.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E25\_1** |
| This flag is set when the value entered for shipping address state attribute contains non-alphabetic characters. | | |
| Key: value | *flag: "E25",*  *value: 1,*  *name: "nonAlphabetic\_shipState",*  *msg: "Shipping address state is not alphabetic.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: E25\_2** |
| This flag is set when no value is provided for shipping address state attribute. | | |
| Key: value | *flag: "E25",*  *value: 2,*  *name: "miss\_shipState",*  *msg: "Shipping address state is missing.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: E25\_4** |
| This flag is set when the value entered for shipping address state attribute is not a two-letter string. | | |
| Key: value | *flag: "E25",*  *value: 4,*  *name: "inv\_shipState",*  *msg: "Shipping address state is not a two-letter abbreviation.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: E25\_22** |
| This flag is set when the value entered for shipping address state attribute is invalid. The list of all valid state abbreviations are in ‘lkup32’. | | |
| Key: value | *flag: "E25",*  *value: "22",*  *name: "notFound-state",*  *msg: "Shipping address state is not found.",*  *priority: 1* | |

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| **Variable: flags** | | **Key: E26\_1** |
| This flag is set when the value entered for shipping address 5-digit zip code contains non-numeric characters. | | |
| Key: value | *flag: "E26",*  *value: 1,*  *name: "nonNumeric\_shipZip",*  *msg: "Shipping address 5 digit zip code is not numeric.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E26\_2** |
| This flag is set when no value is provided for shipping address 5-digit zip code attribute. | | |
| Key: value | *flag: "E26",*  *value: 2,*  *name: "miss\_shipZip",*  *msg: "Shipping address 5 digit zip code is missing.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E26\_4** |
| This flag is set when the value entered for shipping address 5-digit zip code attribute is not a 5-digit number. | | |
| Key: value | *flag: "E26",*  *value: 4,*  *name: "inv\_shipZip",*  *msg: "Shipping address 5 digit zip code is not a 5-digit number.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E26\_22** |
| This flag is set when the value entered for shipping address 5-digit zip code attribute is invalid. The list of all valid 5-digit zip codes are in ‘lkup4’. | | |
| Key: value | *flag: "E26",*  *value: "22",*  *name: "notFound\_shipZip",*  *msg: "Shipping address 5 digit zip code is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E26\_23** |
| This flag is set when the combination of values provided for sipping city, state and the zip code is invalid. The list of all valid combinations of state, city name, and zip codes is in ‘lkup4’. | | |
| Key: value | *flag: "E26",*  *value: "23",*  *name: "inv\_shipCity\_state\_zip",*  *msg: "City/state/zip combination is invalid.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E27\_1** |
| This flag is set when the value entered for shipping address 4-digit zip code extension attribute contains non numeric characters. | | |
| Key: value | *flag: "E27",*  *value: 1,*  *name: "nonNumeric\_shipZip",*  *msg: "Zip code 4 digit extension is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E27\_2** |
| This flag is set when no value is provided for shipping address 4-digit zip code attribute. | | |
| *Key: value* | *flag: "E27",*  *value: 2,*  *name: "miss\_shipZip",*  *msg: "Zip code 4 digit extension is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E27\_4** |
| This flag is set when the value entered for shipping address 4-digit zip code extension attribute is not a 4-digit number. | | |
| Key: value | *flag: "E27",*  *value: 4,*  *name: "inv\_shipZip",*  *msg: "Zip code 4 digit extension is not a 4-digit number.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E29\_1** |
| This flag is set when the value entered for mailing company name 1 attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "E29",*  *value: 1,*  *name: "nonAlphanumeric\_companyMailName1",*  *msg: "Mailing company name 1 is not alphanumeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E29\_2** |
| This flag is set when no value is provided for mailing company name 1 attribute. | | |
| Key: value | *flag: "E29",*  *value: 2,*  *name: "miss\_companyMailName1",*  *msg: "Mailing company name 1 is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E30\_1** |
| This flag is set when the value entered for mailing company name 2 attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "E30",*  *value: 1,*  *name: "nonAlphanumeric\_companyMailName2",*  *msg: "Mailing company name 2 is not alphanumeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E30\_2** |
| This flag is set when no value is provided for mailing company name 2 attribute. | | |
| Key: value | *flag: "E30",*  *value: 2,*  *name: "miss\_companyMailName2",*  *msg: "Mailing company name 2 is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E31\_1** |
| This flag is set when the value entered for mailing address attention attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "E31",*  *value: 1,*  *name: "nonAlphanumeric\_mailAddressAttention",*  *msg: "Mailing address attention is not alphanumeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E31\_2** |
| This flag is set when no value is provided for mailing address attention attribute. | | |
| Key: value | *flag: "E31",*  *value: 2,*  *name: "miss\_mailAddressAttention",*  *msg: "Mailing address attention is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E32\_1** |
| This flag is set when the value entered for mailing address attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "E32",*  *value:1,*  *name:"nonAlphanumeric\_mailAddress\_address",*  *msg: "Mailing address is not alphanumeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E32\_2** |
| This flag is set when no value is provided for mailing address attribute. | | |
| Key: value | *flag: "E32",*  *value: 2,*  *name: "miss\_mailAddress\_address",*  *msg: "Mailing address is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E33\_1** |
| This flag is set when the value entered for mailing address city attribute contains non-alphabetic characters. | | |
| Key: value | *flag: "E33",*  *value: 1,*  *name: "nonAlphabetic\_mailCity",*  *msg: "Mailing address city is not alphabetic.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E33\_2** |
| This flag is set when no value is provided for mailing address city attribute. | | |
| Key: value | *flag: "E33",*  *value: 2,*  *name: "miss\_mailCity",*  *msg: "Mailing address city is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E34\_1** |
| This flag is set when the value entered for mailing address state attribute contains non-alphabetic characters. | | |
| Key: value | *flag: "E34",*  *value: 1,*  *name: "nonAlphabetic\_mailState",*  *msg: "Mailing address state is not alphabetic.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E34\_2** |
| This flag is set when no value is provided for mailing address state attribute. | | |
| Key: value | *flag: "E34",*  *value: 2,*  *name: "miss\_mailStat",*  *msg: "Mailing address state is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E34\_4** |
| This flag is set when the value entered for mailing address state attribute is not a two-letter string. | | |
| Key: value | *flag: "E34",*  *value: 4,*  *name: "inv\_mailState",*  *msg: "Mailing address state is not a two-letter abbreviation.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E34\_22** |
| This flag is set when the value entered for mailing address state attribute is invalid. The list of all valid state name abbreviations is stored in ‘lkup32’. | | |
| Key: value | *flag: "E34",*  *value: "22",*  *name: "notFound\_mailState",*  *msg: "Mailing address state is invalid.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E35\_1** |
| This flag is set when the value entered for mailing address 5-digit zip code attribute contains non-numeric characters. | | |
| Key: value | *flag: "E35",*  *value: 1,*  *name: "nonNumeric\_mailZip",*  *msg: "Mailing address 5-digit zip code is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E35\_2** |
| This flag is set when no value is provided for mailing address 5-digit zip code attribute. | | |
| Key: value | *flag: "E35",*  *value: 2,*  *name: "miss\_mailZip",*  *msg: "Mailing address 5-digit zip code is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E35\_4** |
| This flag is set when the value entered for mailing address 5-digit zip code attribute is not a 5-digit number. | | |
| Key: value | *flag: "E35",*  *value: 4,*  *name: "inv\_mailZip",*  *msg: "Mailing address 5-digit zip code is not a 5-digit number.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E35\_22** |
| This flag is set when the value entered for mailing address 5-digit zip code attribute is invalid. The list of all valid 5-digit zip codes is stored in ‘lkup4’. | | |
| Key: value | *flag: "E35",*  *value: "22",*  *name: "notFound\_mailZip",*  *msg: "Mailing address 5-digit zip code is invalid.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E35\_23** |
| This flag is set when the combination of values entered for mailing city, state and the zip code is invalid. The list of all valid combinations of states, city names, and zip codes is stored in ‘lkup4’. | | |
| Key: value | *flag: "E35",*  *value: "23",*  *name: "inv\_mailCity\_state\_zip",*  *msg: "City/state/zip combination is invalid.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E36\_1** |
| This flag is set when the value entered for mailing address 4-digit zip code extension attribute contains non-numeric characters. | | |
| Key: value | *flag: "E36",*  *value: 1,*  *name: "nonNumeric\_mailZip",*  *msg: "Mailing address 4-digit zip code extension is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E36\_2** |
| This flag is set when no value is provided for mailing address 4-digit zip code extension attribute. | | |
| Key: value | *flag: "E36",*  *value: 2,*  *name: "miss\_mailZip",*  *msg: "Mailing address 4 digit zip code extension is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E36\_4** |
| This flag is set when the value entered for mailing address 4-digit zip code extension attribute is not a 4-digit number. | | |
| Key: value | *flag: "E36",*  *value: 4,*  *name: "inv\_mailZip",*  *msg: "Mailing address 4-digit zip code extension is not a 4-digit number.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E37\_2** |
| This flag is set when no value is provided for operating status attribute. | | |
| Key: value | *flag: "E37",*  *value: 2,*  *name: "checkBox\_operatingStatus",*  *msg: "Operating status is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E38\_1** |
| This flag is set when the value entered for (at least on of ) date of ceased operation day, month, or year attributes contain non-numeric characters. | | |
| Key: value | *flag: "E38",*  *value:1,*  *name: "nonNumeric\_dateOfCeased",*  *msg: "Date for ceased operation is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E38\_2** |
| This flag is set when there no value is provided for (at least one of ) date of ceased operation day, month, or year attributes. | | |
| Key: value | *flag: "E38",*  *value:2,*  *name: "miss\_dateOfCeased",*  *msg: "Month or day or year of operation cease date is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E38\_3** |
| This flag is set when the value entered for (at least one of) date of ceased operation day, month, or year attributes are not in the allowed range (1-31, 1-12, 4 digits respectively). | | |
| Key: value | *flag: "E38",*  *value: 3,*  *name: "invFormat\_dateOfCeased",*  *msg: "Date of cease operation is not in correct range and format of MM/DD/YYYY.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E38\_40** |
| This flag is set when the value entered for date of ceased operation is not consistent with the ceased operation attribute value. | | |
| Key: value | *flag: "E38",*  *value: "40",*  *name: "dateOfCeased\_CrossConst",*  *msg: "Ceased operation is selected but the date of cease is missing or date of cease is provided but ceased operation status is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E39\_2** |
| This flag is set when no value is provided for primary industry attribute. | | |
| Key: value | *flag: "E39",*  *value: 2,*  *name: "checkBox\_priIndustryActivity",*  *msg: "No selection is made.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E40\_1** |
| This flag is set when the value entered for primary industry activity attribute contains non-alphanumeric characters. | | |
| Key: value | *flag: "E40",*  *value: 1,*  *name: "nonAlphanumeric\_priIndustryActivity",*  *msg: "Primary industry activity is not alphanumeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E40\_2** |
| This flag is set when no value is provided for primary industry activity attribute. | | |
| Key: value | *flag: "E40",*  *value: 2,*  *name: "miss\_priIndustryActivity",*  *msg: "Primary industry activity is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E40\_40** |
| This flag is set when the value entered for primary industry activity is not consistent with primary industry description attribute value. | | |
| Key: value | *flag: "E40",*  *value: "40",*  *name: "primIndustAct\_CrossConst",*  *msg: "Checkbox is checked as 'No' but primary industry activity description is not provided.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E41\_1** |
| This flag is set when the value entered for contact name attribute contains non-alphabetic characters. | | |
| Key: value | *flag : "E41",*  *value: 1,*  *name: "nonAlphabetic\_contactName",*  *msg: "Contact information (name) is not alphabetic.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E41\_2** |
| This flag is set when no value is provided for contact name attribute. | | |
| Key: value | *flag: "E41",*  *value: 2,*  *name: "miss\_contactName",*  *msg: "Contact information (name) is missing.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E42\_1** |
| This flag is set when the value entered for contact title attribute contains non-alphabetic characters. | | |
| Key: value | *flag: "E42",*  *value: 1,*  *name: "nonAlphabetic\_contactTitle",*  *msg: "Contact information (title) is not alphabetic.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E42\_2** |
| This flag is set when no value is provided for contact title attribute. | | |
| Key: value | *flag: "E42",*  *value: 2,*  *name: "miss\_contactTitle",*  *msg: "Contact information (title) is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E43\_1** |
| This flag is set when the value entered for contact information phone number contains non-numeric characters. | | |
| Key: value | *flag: "E43",*  *value: 1,*  *name: "nonNumeric\_contactPhone",*  *msg: "Contact information (phone number) is not numeric.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E43\_2** |
| This flag is set when no value is provided for contact information phone number attribute. | | |
| Key: value | *flag: "E43",*  *value: 2,*  *name: "miss\_contactPhone",*  *msg: "Contact information (phone number) is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E43\_4** |
| This flag is set when the value provided for contact information phone number attribute is not a 10-digit number. | | |
| Key: value | *flag: "E43",*  *value: 4,*  *name: "inv\_contactPhone",*  *msg: "Contact information (phone number) is not a 10 digit number.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E44\_2** |
| This flag is set when no value is provided for contact information phone number extension attribute. | | |
| Key: value | *flag: "E44",*  *value: 2,*  *name: "miss\_contactPhone\_extention",*  *msg: "Contact information (phone number extension) is missing.",*  *priority: 2* | |

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| **Variable: flags** | | **Key: E45\_2** |
| This flag is set when no value is provided for contact information fax number attribute | | |
| Key: value | *flag: "E45",*  *value: 2,*  *name: "miss\_contactFax",*  *msg: "Contact information (fax number) is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E46\_2** |
| This flag is set when no value is provided for remarks attribute | | |
| Key: value | *flag: "E46",*  *value: 2,*  *name: "miss\_reamrk",*  *msg: "remark is missing.",*  *priority: 3* | |

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| **Variable: flags** | | **Key: E46\_40** |
| This flag is set when the value entered for operating status is not consistent with description of operation change attribute value. | | |
| Key: value | *flag: "E46",*  *value: "40",*  *name: "Remark\_CrossConst\_OperatStatusCheck",*  *msg: "Operating status is checked as 'in operation' but description of operation change is not provided.",*  *priority: 3* | |