‘lkup5-28’ stores several lookup tables used in ‘validation\_base’, ‘validation\_establishment’, and ‘validation\_shipment’ modules. Variable reflects the variable (object) name (look up table name).

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| **Variable: lkup5** |  | |
| This table stores 3-digit overseas military zip code prefixes. ‘lkup5’ is presented as an array of strings. | | |
| example | | Lkup5 = […,"092","093","094","095",…] |

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| **Variable: lkup6** |  | |
| This table stores the first two digits of SCTG codes for which the transportation mode ‘pipeline’ is not allowed. ‘lkup6’ is presented as an array of strings. | | |
| example | | lkup6= ["13","14","17","18","19","20"] |

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| **Variable: lkup7** |  | |
| This table stores the first two digits of SCTG codes for which the transportation mode ‘parcel’ or ‘air’ is not allowed. ‘lkup7’ is presented as an array of strings. | | |
| example | | Lkup7 = [ "17","18" "02","10","11","12","14","15","22","25","41"] |

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| --- | --- | --- |
| **Variable: lkup8** |  | |
| This table stores the first two digits of the SCTG codes for which the transportation mode ‘parcel’ or ‘air’ is not allowed when the destination state is ‘AK’. ‘lkup8’ is presented as an array of strings. | | |
| example | | Lkup8=[ "17","18"] |

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| --- | --- | --- |
| **Variable: lkup9** |  | |
| This table stores the first two digits of SCTG codes for which S12 flag is set to 1 when temperature control response is YES. ‘lkup9’ is presented as an array of strings. | | |
| example | | Lkup9 = ["10","11","12","13","14","15","25","26","27","28","29","30","32","33","35","36","37","41"] |

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| --- | --- | --- |
| **Variable: lkup10** |  | |
| This table stores the first two digits of SCTG codes for which S12 flag is set to 2 when temperature control response is YES. ‘lkup10’ is presented as an array of strings. | | |
| example | | lkup10 = ["02","24","31","34","38","39","40"] |

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| --- | --- | --- |
| **Variable: lkup11** |  | |
| This table stores the SCTG codes for which negative temperature control is not acceptable (Error flag S12 is set to 3). ‘lkup11’ is presented as an array of strings. | | |
| example | | Lkup11 = […,"03211","03213","03219","03311",…] |

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| **Variable: lkup12** |  | |
| This table stores SCTG codes that are required to have a UNNA code (if UNNA code is not provided, flag S9 is set to 1). ‘lkup12’ is presented as an array of strings. | | |
| example | | Lkup12 = […,"17110","17120","17201","17202",…] |

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| --- | --- | --- |
| **Variable: lkup13** |  | |
| This table stores SCTG codes for which a UNNA code is acceptable. If a valid UNNA code is provided for a shipment, and the SCTG codes is not among the 97 codes provided in ‘lkup13’, flag S9 is set to 3. ‘lkup13’ is presented as an array of strings. | | |
| example | | Lkup13 = […,"07731","07732","08310","08320",…] |

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| --- | --- | --- |
| **Variable: lkup14** |  | |
| This table stores the list of valid city names in Canada. ‘lkup14’ is presented as an array of strings. | | |
| example | | Lkup14= […,"MISSISSIPPI MILLS","MISTATIM","MISTAWASIS 103",…] |

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| --- | --- | --- |
| **Variable: lkup15** |  | |
| This table stores the list of city names in Mexico. ‘lkup15’ is presented as an array of strings. | | |
| example | | Lkup15 = […,"ACTOPAN","ACTOPAN","ACUAMANALA",…] |

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| --- | --- | --- |
| **Variable: lkup16** |  | |
| This table stores the list of valid export country names. ‘lkup16’ is presented as an array of strings. | | |
| example | | Lkup16 = […,"GABON","THE GAMBIA","GAMBIA",…] |

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| --- | --- | --- |
| **Variable: lkup17** |  | |
| This table stores the combinations of the two digit SCTG and partial NAICS codes for which flag S10 is set to 0, 1, 2, or 3. ‘lkup17’ is presented as an array of JSON objects. The objects in the table are sorted by partial NAICS code in ascending order. Each object has the following attributes:   |  |  | | --- | --- | | Attributes: | *partial\_naics: partial NAICS code*  sctg\_2digit*: two digit SCTG code*  flag\_value: value for flag S10 | | | |
| example | | Lkup17 = [{"partial\_naics":"212","sctg\_2digit":"01","flag\_value":"3"}, {"partial\_naics":"212","sctg\_2digit":"02","flag\_value":"3"}, {"partial\_naics":"212","sctg\_2digit":"03","flag\_value":"2"},…] |

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| --- | --- | --- |
| **Variable: lkup18** |  | |
| This table stores the list of two-digit SCTG codes for which flag S8 is set to 1, 2, or 0 if the shipment value to weight ratios is less than the specified lower bound, greater than the specified upper bound, or none of the two former conditions are met respectively. ‘lkup18’ is presented as an array of strings. | | |
| example | | Lkup18 = ["02","10","11","12","13","14","15","19","22","25","31","32","33"] |

|  |  |  |
| --- | --- | --- |
| **Variable: lkup19** |  | |
| This table stores the list of two-digit SCTG codes for which flag S8 is set to 3, 4, or 0 if the shipment value to weight ratios is less than the specified lower bound, greater than the specified upper bound, or none of the two former conditions are met respectively. ‘lkup19’ is presented as an array of strings. | | |
| example | | Lkup19 = ["16","17","18"] |

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| --- | --- | --- |
| **Variable: lkup20** |  | |
| This table stores the minimum and maximum weight for select transportation modes. that can be shipped through each transportation mode. ‘lkup20’ is presented as an array of JSON objects. The objects in the table are sorted by transportation mode in ascending order. Each object has the following attributes:   |  |  | | --- | --- | | Attributes: | *mode: transportation mode*  minWeight*: minimum acceptable transportation weight*  maxWeight: *maximum acceptable transportation weight* | | | |
| example | | Lkup20 = {"mode": 1, "minWeight": 0,"maxWeight": 150}, {"mode": 2,"minWeight": 0,"maxWeight": 80000}, …] |

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| --- | --- | --- |
| **Variable: lkup25** |  | |
| This table stores acceptable responses for temperature control variable. ‘lkup25’ is presented as an array of strings. | | |
| example | | Lkup25 = [“Y”, “N”] |

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| --- | --- | --- |
| **Variable: lkup26** |  | |
| This table stores ship mode(s) for which the flag S4 is set to 1 if the first two digits of SHIP\_SCTG do not equal 13, 14, 17, 18, 19, or 20. ‘lkup26’ is presented as an array of strings. | | |
| example | | Lkup26 = [“7”] |

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| --- | --- | --- |
| **Variable: lkup27** |  | |
| This table stores ship mode(s) for which the flag S4 is set to 2 if the first two digits of SHIP\_SCTG = 02, 10, 11, 12, 14, 15, 22, 25, or 41 and SHIP\_WEIGHT ≥150 or or the first 2 digits of SHIP\_SCTG = 17 or 18 and SHIP\_WEIGHT≥ 150 and STATE\_SHIP\_CURR does not equal AK. ‘lkup27’ is presented as an array of strings. | | |
| example | | Lkup27 = ["1"] |

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| --- | --- | --- |
| **Variable: lkup28** |  | |
| This table stores ship mode(s) for which the flag S4 is set to 3 the first two digits of SHIP\_SCTG = 02, 10, 11, 12, 14, 15, 22, 25, or 41 and SHIP\_WEIGHT ≥ 1000 or the first two digits of SHIP\_SCTG = 17 or 18 and SHIP\_WEIGHT ≥ 1000 and STATE\_SHIP\_CURR does not equal AK. ‘lkup28’ is presented as an array of strings. | | |
| example | | Lkup28 = ["8”] |

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| --- | --- | --- |
| **Variable: lkup29** |  | |
| This table stores the list of export shipment transportation modes for which export countries other than Mexico or Canada are not acceptable (Flag S16 is set to 1). ‘lkup29’ is presented as an array of strings. | | |
| example | | Lkup29 = ["2","3","4"] |

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| --- | --- | --- |
| **Variable: lkup30** |  | |
| This table stores the list of partial NAICS codes for which flag S7 is set to 2 when transportation mode is 4 and shipment weight is less than 100lbs. ‘lkup30’ is presented as an array of strings. | | |
| example | | lkup30 = [“33”, “42”, “45”] |

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| --- | --- | --- |
| **Variable: lkup31** |  | |
| This table stores the list of acceptable SCTG-UNNA combinations for the 26 SCTG codes in the ‘ALWAYS’ category. ‘lkup31’ is presented as a array of JSON objects. Each object has the following attributes:   |  |  | | --- | --- | | Attributes: | *sctg: SCTG code*  unna*: UNNA code* | | | |
| example | | lkup31 = [{“sctg”:””,”unna”:””}, {“sctg”:””,”unna”:””},…] |

|  |  |  |
| --- | --- | --- |
| **Variable: lkup32** |  | |
| This table stores the list of all 2-letters US state abbreviations. ‘lkup32’ is presented as an array of strings. | | |
| example | | lkup32 = [“AZ”, AR”, …] |