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| ELEMENT DESCRIPTION FORM | |
| ID: Contract\_num | |
| Name: Contract Number | |
| Description: The identifying number for each contract, entered by the supervisor | |
| Element Characteristics  Length: 9 Decimal Point:  Input Format: 9 (Variable)  Output Format: 9 (9)  Default Value: 000000000  Continuous or Discrete | Alphabetic  Alphanumeric  Date  Numeric  Base or Derived |
| Validation Criteria | |
| Continuous  Upper Limit  <999999999  Lower Limit  >=000000000 | Discrete  Value Meaning |
| * No two contracts can share a Contract Number * The Contract Number acts as the primary key in the datastore * If the number isn’t entered as 9 digits, the system will add leading zeroes to complete the number | |

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| ELEMENT DESCRIPTION FORM | |
| ID: Contract\_due | |
| Name: Due Date | |
| Description: The date that the given contract is due by | |
| Element Characteristics  Length: 10 Decimal Point:  Input Format: MMDDYYYY  Output Format: MM/DD/YYYY  Default Value: 00/00/0000  Continuous or Discrete | Alphabetic  Alphanumeric  Date  Numeric  Base or Derived |
| Validation Criteria | |
| Continuous  Upper Limit  N/A  Lower Limit  N/A | Discrete  Value Meaning  N/A |

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| ELEMENT DESCRIPTION FORM | |
| ID: Contract\_processes | |
| Name: Necessary Processes | |
| Description: The processes that a contract must undergo before it is completed | |
| Element Characteristics  Length: 2 Decimal Point:  Input Format: 9 (2)  Output Format: 9 (2)  Default Value: N/A  Continuous or Discrete | Alphabetic  Alphanumeric  Date  Numeric  Base or Derived |
| Validation Criteria | |
| Continuous  Upper Limit  Lower Limit | Discrete   * Each value corresponds to a numbered work area   + 1 indicates work area 1, etc. |
| * The system will allow for 99 work areas to be present in the facility * The processes must be listed in sequential order | |

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| ELEMENT DESCRIPTION FORM | |
| ID: Contract\_completion\_date | |
| Name: Expected Completion | |
| Description: The date that the contract is estimated to be completed by | |
| Element Characteristics  Length: 10 Decimal Point:  Input Format: MMDDYYYY  Output Format: MM/DD/YYYY  Default Value: 00/00/0000  Continuous or Discrete | Alphabetic  Alphanumeric  Date  Numeric  Base or Derived |
| Validation Criteria | |
| Continuous  Upper Limit  N/A  Lower Limit  N/A | Discrete  Value Meaning  N/A |
| * This date is an estimation based on the contract’s current progress, and is likely to change throughout the manufacturing process | |

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| ELEMENT DESCRIPTION FORM | |
| ID: Contract\_start\_location | |
| Name: Start Location | |
| Description: The starting work area for a contract, where the initial process will be completed | |
| Element Characteristics  Length: 2 Decimal Point:  Input Format: 9(2)  Output Format: 9(2)  Default Value: N/A  Continuous or Discrete | Alphabetic  Alphanumeric  Date  Numeric  Base or Derived |
| Validation Criteria | |
| Continuous  Upper Limit  Lower Limit | Discrete  Value Meaning   * Each value corresponds to a numbered work area   + 1 indicates work area 1, etc. |
| * The starting work area will also be listed as the first necessary process in the necessary processes field | |

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| ELEMENT DESCRIPTION FORM | |
| ID: Contract\_entry | |
| Name: Contract Entry Date | |
| Description: The date that the contract is entered into the system | |
| Element Characteristics  Length: 10 Decimal Point:  Input Format: MM/DD/YYYY  Output Format: MM/DD/YYYY  Default Value: 00/00/0000  Continuous or Discrete | Alphabetic  Alphanumeric  Date  Numeric  Base or Derived |
| Validation Criteria | |
| Continuous  Upper Limit  N/A  Lower Limit  N/A | Discrete  Value Meaning  N/A |
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| ELEMENT DESCRIPTION FORM | |
| ID: Contract\_location | |
| Name: Current Location | |
| Description: The current location of the work area, given as a work area number | |
| Element Characteristics  Length: Decimal Point:  Input Format: 9(2)  Output Format: 9(2)  Default Value: N/A  Continuous or Discrete | Alphabetic  Alphanumeric  Date  Numeric  Base or Derived |
| Validation Criteria | |
| Continuous  Upper Limit  Lower Limit | Discrete  Value Meaning   * Each value corresponds to a numbered work area   + 1 indicates work area 1, etc. |
| * Location will be updated by a machinist once they have completed their respective process | |