

Data Documentation and Mappings

CSV File Fields

The table below outlines data fields in the given sample asset data CSV file.

Field	Data	Data Type	May be Null?	Restrictions
ID	Asset Identifier	Text	No	Must be of the pattern <code>nn/nnnnnn</code> , where <code>n</code> is a numerical digit (e.g. <code>01/123456</code>)
TYPE	Asset Type Code	Text	No	Must be one of <code>DC</code> , <code>MP</code> , <code>P</code> , <code>PD</code> , or <code>TN</code> only
TYPE_DESC	Asset Type Description	Text	No	Must be no more than 11 characters long
INSTALL_DATE	Asset Installation Date	Date	Yes	When given, must be a valid date in format <code>dd-MMM-yyyy</code> , where <code>dd</code> is a two-digit day of month value (e.g. <code>01</code> for the first day of the month), <code>MMM</code> is the first three letters of the month's name in uppercase (e.g. <code>JUL</code> for July) and <code>yyyy</code> is the full year value (e.g. <code>2001</code>). For example, 1st of July 2001 would equate to <code>01-JUL-2001</code> .
EASTING	Asset BNG Location Horizontal Co-ordinate	Number	No	Must be between <code>500000</code> and <code>560000</code> , inclusive
NORTHING	Asset BNG Location Vertical Co-ordinate	Number	No	Must be between <code>150000</code> and <code>200000</code> , inclusive
LOCATION	Asset Road Address	Text	Yes	When given, must be no more than 100 characters long
CELL	Asset Control Server	Text	Yes	When given, must be one of <code>CNTR</code> , <code>EAST</code> , <code>NORT</code> , <code>OUTR</code> , or <code>SOUT</code> only
SIGNAL_GROUP	Asset Signal Group Identifier	Text	Yes	When given, must be no more than 5 characters long
STATUS	Asset Status	Text	No	Must be one of <code>Active</code> or <code>Proposed</code> only
INSTALL_ENGINEER	Name of Engineer who Installed the Asset	Text	Yes	Must be no more than 15 characters long

CSV to JSON Mappings

Each CSV record is to be represented by a single JSON object. Mappings between the CSV record fields and the corresponding members of the JSON record object are given below. If the JSON record objects are output together, they may be placed within an array-type member of another JSON object, where the member is named `records`.

CSV Field Name	Corresponding JSON Record Object Member Name	Required Value Conversion from CSV to JSON
ID	<code>id</code>	Capture as a string
TYPE	<code>type</code>	Capture as a string
TYPE_DESC	<code>typeDescription</code>	Capture as a string
INSTALL_DATE	<code>installationDate</code>	<code>nulls</code> must be given as empty strings (i.e. <code>""</code>). When not null, this must be captured as a string in <code>yyyy-mm-dd</code> format, where <code>yyyy</code> is the full year value (e.g. <code>2001</code>), <code>mm</code> is the month value (e.g. <code>07</code> for July), and <code>dd</code> is the day of month value (e.g. <code>01</code> for the first day of the month). For example <code>01-JUL-2001</code> from CSV data must be captured as <code>"2001-07-01"</code> in JSON data.
EASTING	<code>easting</code>	Capture as a real numerical value
NORTHING	<code>northing</code>	Capture as a real numerical value
LOCATION	<code>location</code>	<code>nulls</code> must be given as empty strings (i.e. <code>""</code>). Other values must be captured as strings
CELL	<code>controlServer</code>	<code>nulls</code> must be given as empty strings (i.e. <code>""</code>). Other values must be captured as strings
SIGNAL_GROUP	<code>signalGroup</code>	<code>nulls</code> must be given as empty strings (i.e. <code>""</code>). Other values must be captured as strings
STATUS	<code>status</code>	Capture as a string
INSTALL_ENGINEER	<code>installedBy</code>	<code>nulls</code> must be given as empty strings (i.e. <code>""</code>). Other values must be captured as strings