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| **SS Definitions** | | |  | **Mapping/ Data Source** | |  | |
| **Dimension** | **Attribute Name** | **Data Type** | **Key** | **Data Sources** | **Data Sources Type** | **Definition**: | **Notes** |
| **Time\_Dim** | time\_id | NUMBER | Primary | none | NUMBER | time\_id\_SEQ  This is the unique Identifier of time, e.g. 1, 2, 3, | This is a primary key, that will be populated through Sequence, generated at the staging area. |
|  | year | NUMBER | No | lds\_project.pj\_actual\_start\_date | DATE | This is the Year extracted from data source columns, populated in time dimension as 2010, 2011, 2012 | Will pull in data from two tables, making sure there are no duplicates |
|  | NUMBER |  | mch\_job.prj\_actual\_start\_date | DATE |  |  |
| quarter | NUMBER | No | lds\_project.pj\_actual\_start\_date | DATE | This is the Year extracted from data source columns, The Quarter for time dimension e.g. 1, 2, 3 and 4 | Will need to convert every 3 months to 1 quarter, not every year will have quarters with data |
|  |  |  | mch\_job.prj\_actual\_start\_date | DATE |  |  |
| **Job\_Dim** | Job\_seq\_id | NUMBER | Primary | none | NUMBER | This is the unique Identifier of the job , e.g. 1, 2, 3 | This is a primary key, that will be populated through Sequence, generated at staging are |
|  | Job\_id | NUMBER | Natural PK | job\_id column | NUMBER | This is the unique Identifier of the jobid existing in two sources, e.g. J1\_1,\_J2\_1, J1\_2, J2\_2 | Will pull in data from two tables, make sure there are no duplicates |
| job\_role\_name | VARCHAR2(30) | No | lds\_job\_role.job\_role\_desc | VARCHAR2(30) | This is all the Job Roles within both systems e.g. Chief Operating Officer, PM at NHS, Programmer for WH |  |
|  |  |  | mch\_consultant\_cv.job\_role\_name | VARCHAR2(30) |  |  |
|  | Start\_date |  |  | SCD attribute |  | This value will be populated by the system's date when the value is being populated. | SCD Type 3 |
| **Fact\_Table** | fact\_id | NUMBER | Primary | fact\_SEQ | NUMBER | This is the unique identifier of act table, e.g. 1, 2, 3, | This is a primary key, that will be populated through Sequence |
|  | time\_id | NUMBER | ForeignKey | Time\_dim.time\_id | NUMBER | Values here are linked to measure and Time\_Dim, 1, 2, 3 |  |
|  | job\_seq\_id | NUMBER | Foreign | Job\_Dim.job\_seq\_id | NUMBER | Values here are linked to measure and Job\_Dim, 1, 2, 3 |  |
| num\_of\_overrun | NUMBER | No | This is a Measure so might require temporary tables to hold dates while working out | NUMBER | pseudocode:  Count(\*) where actual\_end\_date > estimated\_end\_date | Measure of the overrun projects for the report, e.g. 4, 8, 5 |
| average\_salary | NUMBER | No | This is a Measure so might require temporary tables to hold data with calculation | NUMBER | Count(actual\_salary) divided by num\_of\_emp | The measure of average salary for the report, e.g. 33000, 30000, 40000 |
| num\_of\_emp | NUMBER | No | This is a Measure so might require temporary tables to hold data | NUMBER | Count(\*) num\_of\_emp | Measure of the number of consultants e.g. 45, 30, 20 |