BI&A Technical Solution Documentation

Prepared for Client Name

Date

**CLIENT LOGO**

Purpose:

This document is intended to serve as a generic 3Cloud deliverable template for deliverables that don’t have specific templates created.

How To Use:

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# Power BI:

Power BI is a collection of software services, apps, and connectors that work together to turn your sources of data into coherent, visually immersive, and interactive insights. Your data might be an Excel spreadsheet, or a collection of cloud-based and on-premises hybrid data warehouses.   
(reference: <https://learn.microsoft.com/en-us/power-bi/fundamentals/power-bi-overview)>

# Solution Overview:

This project used Power BI semantic model as a consumption layer of the Reports. Power BI desktop was used for the development of the report and Power BI service with a premium capacity license to host the reports and/or dashboards.

|  |  |  |
| --- | --- | --- |
| **Semantic Model** | **Environment** | **Workspace** |
| **DEV\_WAV Model 2691 BETA TEST\_WAV Model 2691** | Development and Test | Test – Worker & Asset Visibility |
| **WAV Model 2702** | Production | Worker Visibility |

# Process Deployment

This project used Sharepoint site as a Software Development Cycle (SDLC) for Power BI reports.

# SQL Server Analysis Services (SSAS):

Current Implementation:

Future Considerations:

# Power BI Service:

Current Implementation:

Future Considerations:

# Git Control and Repositories

# SQL Server View Layer:

## Data Sources:

## Considerations for the View Layer:

## Utilized Views:

|  |  |  |  |
| --- | --- | --- | --- |
| **View** | **Purpose** | **Models Utilized In** | **Source Tables** |
|  |  |  |  |
|  |  |  |  |

# Tabular Models:

## Deployment Servers:

## Deployment Process:

## Considerations for Deploying Models:

## Model Roles:

## Tabular Model Tables:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table** | **Type** | **Model** | **Relationships** | **Hierarchies** | **Description** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## Hierarchies:

|  |  |  |  |
| --- | --- | --- | --- |
| **Hierarchy Name** | **Levels** | **Source Dimension** | **Model** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Calculation Groups

## Time Intelligence

|  |  |  |
| --- | --- | --- |
| **Intelligence field name** | **Dax Formula** | **Business Definition** |
|  |  |  |
|  |  |  |

## Rolling Periods

|  |  |  |
| --- | --- | --- |
| **Intelligence field name** | **Dax Formula** | **Business Definition** |
|  |  |  |
|  |  |  |

## Measures/Calculated Columns:

|  |  |  |
| --- | --- | --- |
| **Intelligence field name** | **Dax Formula** | **Business Definition** |
|  |  |  |
|  |  |  |

## On Premise Enterprise Gateway:

# Power BI Service:

## Data Gateway Configuration:

## Gateways

## User Mapping

## Current State:

## Future State:

## Workspaces:

# Power BI Reports:

## Report Name:

### Filters:

|  |  |  |
| --- | --- | --- |
| **Filter Name** | **Default Value** | **Origin Table** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

### Features:

### 5Report Pages

### Page Name:

### Visuals:

### Tooltips:

### Drill Through Pages:

### Page Level Filters:

### Buttons:

# Document Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Authors** | **Version** | **Change Description** |
|  |  |  |  |

# Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
|  |  |