1. Introduction

The purpose of this document is to provide the GeoSpatial Data submission guidelines to all DEWA customers. The Layers/levels in the GDS submission shall be in line with DEWA requirements. Therefore, DEWA customers are requested to submit Power Supply Master Plan projects to DEWA PTP in a predefined format, which will enable us to work in an orderly manner. This guideline is intended to understand and facilitate DEWA II&P requirements to upload the project's landbase on DEWA GIS system.

Any questions concerning these standards or exceptions to these standards due to special circumstances should be referred to DEWA II&P Department for further clarification.

The format and the content of the GDS template file are explained in the following sections.

1.1 GDS File Format

The format of the GDS file can be either ESRI GeoDatabase (GDB), AutoCAD (DWG) or MicroStation (DGN). DEWA will agree all above formats for data exchange from Data Submitter.

The GDS file defines the following;

a. What coordinate system to be used in drawing preparation

b. How map features are organized into layers

c. How those layers are named

d. How existing features and layers in DEWA's GIS are symbolized.

Once the customers started to submit the drawings in the above specified manner then DEWA's II&P Department GIS team can update database in DEWA GIS.

Important note:

Drawing files submitted by the customers should strictly follow this guidelines such as "Level or Layer/Feature Class Name" "Symbology" "Coordinate system" etc…, that are mentioned in the **Layers Data field definition** (Ref 2.1) for example If customer not comply with specified **Layers Data field definition**, the GDS will not be recognized as data.

Most importantly, the drawing file submitted by the customer must not contain the following.

1. Title block

2. Border line