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| PGE Logo | |
| Component Specification | |
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Validate-PGE ED Annotation

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| Document | Date | Author | Summary of Changes |
| Component Specification PGE Validate Annotation | 6/03/2014 | Bhaskar Singh | Initial Draft |
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## Security Classification

Tool will run in ArcMap context so all the security would automatically be handled by ArcMap.

## Retention Requirements

## Document Audience

Intended audience would be all developers, QA’s (Data Developer), PGE Development programmer manager, UDC development manager and all stack holder for this project.

# Introduction

## Goals and objectives

The purpose of this document is to detail requirement specifications and design for custom functionality to be developed for PG&E Data-Conversion.

## Business Requirements

Implements the following requirements:

| Requirement | ID | Notes | Source |
| --- | --- | --- | --- |
| Custom tool will verify the annotations. |  |  | Editing-LabelText - DLM Component Specification, PGE ED Annotation and Labels v8.8 |

## Software context

This section defines the software requirements for implementing the custom extensions with specific version numbers. The software requirements are

ArcGIS 10 SP3

.Net 3.5

Oracle 11g

The development of custom components will be carried out using C# as the programming language.

## Major assumptions

* The component is designed to work in ArcMap.
* The component is designed for data conversion verification.
* The component will not modify the existing data.
* It will generate the report only.

# Component Design

**Data-Condition Level**

Components often fit into a larger context of data integrity and data validation. The concept of Data-Condition is meant to illustrate a point in the editing process at which time a components can be executed and perform some sort of data integrity check: verify Annotation in provided feature class. The following is a brief description of the tool.

1. Tool is created for verify the PGE- ED annotations.
2. Tool would be an add-in command in ArcMap and it would be fully configurable. User will be able to configure what annotation to validate
3. When user will click the command tool will ask user preference’s

A) Run for entire workspace

B) Run for map extent

**If option A** is selected then tool will take currently selected database (workspace) and verify that each annotation rule is satisfied in current workspace for the based on configured annotation.

**If option B** isselected then tool will take current selected map extent and look for all annotation feature classes in current selection (based on configured annotation). Then it would verify each annotation rule.

1. If an annotation found, which is not verified then tool would log (Global id, Feature class name, Annotation ObjectId, Feature Id, Annotation SubType, Element text) the information in excel.