

1.1 Introduction

This document establishes standards for DCII for logical and physical objects generated from the Oracle Designer CASE tool. It also establishes diagramming conventions to be used with the various diagramming tools provided with Oracle Designer. These standards are based on the functionality available with Oracle Designer 2.1.2 and 6.0 but may be applicable to both earlier and later versions.

1.2 Executive Summary

The purpose of the DCII Standards is to provide detailed analysis, design and build specifications for all DCII projects using Oracle Designer. These standards follow the format of the Designer 2.1.2 and 6.0 Repository. Included in this document is detailed information on the transformation of analysis stage information to design stage information, necessary to proceed with system generation. Examples are standards for converting entity/attribute names to table/column names, and function names to module names.

Many of these standards are automatically followed by the Designer transformation process between analysis and design phases, but at the same time are highly dependent on the quality of analysis information that is provided to the transformers. The more accurate and complete the analysis deliverables are, the higher the success rate in design.

An assumption is made that the data elements will conform to the DFAS and DDDS standards.

Topics covered include general guidelines, logical database design standards, module design standards, and physical database design standards

These standards shall be revised under control of the DCII Standards Working Group of the Infrastructure Services Organization. Send revision requests to DCII Standards Work Group.

1.3 Objectives

The purpose of this document is to provide a common basis for analysis and development of business systems for DCII. The standards and conventions established by this document are intended to assist in the integration of methodologies and applications across all business areas within the enterprise. Standardization is critical to the successful achievement of quality in the system engineering process.

This document establishes standards for system development and sets naming conventions for logical and physical objects as well as for data and process elements. It is expected that the standards contained herein will continue to evolve to support the changing needs of DCII.

The initial version of this document establishes the standards and conventions needed to support the processes of business reengineering and documentation of the corporate Enterprise using Oracle Designer. Subsequent efforts will focus on expanding the contents to incorporate standards for all automated systems and tools purchased and/or developed at DCII. Appropriate subject areas have been named in paragraph headings in this document to indicate future additions. These are marked '(TBD)' to indicate that the content is to be developed at some future time.

1.4 Applicability

This document applies to all DCII development efforts.

1.5 References

This document includes and adopts selected standards that were developed as a result of DCII's Enterprise Standardization Efforts.

1.6 Authorization

Changes to these standards will go through the following process:

Requests for change(s) must be submitted, in writing, to the DCII Standards Working Group.

The group will review the requested changes, and either accept or reject them. If the requested changes are rejected, the group will inform the requestor and tell them the reasons for rejection.

If the changes are accepted, the standards document will be updated, and all of the analysts, designers, and developers will be informed that the standards have changed, and given a brief summary of the changes. This step can be done on a periodic basis if there are many changes in progress.

Deviations from the standards must be reviewed and approved by the group prior to implementation.

1.7 Access

Any system user can access this document on a read-only basis via the DCII shared drive or the Process Asset Library (PAL).

1.8 Document Organization

This document is organized into seven distinct sections:

(To be inserted at completion)