CONFIDENTIAL

PROJECT PERSONNEL ONLY

**Sample Project**

**Design Specifications for Common Components**

Version 1.0

August 24, 2018

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# About This Document

This document explains design standards for common business components.

Common components are components responsible for supplying processes that are used by multiple business components.

# Types of Common Components

This system has three types of common components, classified according to the scope of use.

|  |  |
| --- | --- |
| Type | Description |
| System-wide components | Components used throughout the system.  Can be used from all common components and actions in the system. |
| Subsystem-wide components | Components used throughout a subsystem.  Can be used from all common components and actions in the same subsystem.  Cannot be used from other subsystems. |
| Function-wide components | Components used throughout a function.  Can be used from all common components and actions in the same function.  Cannot be used from other functions.  These components can be extracted as common components during design or during implementation |

Below is a conceptual diagram showing how each type of common component is used in relation to other components.

A system-wide component is shown within the package of the main subsystem to demonstrate the main subsystem for each component.

System package

Subsystem package

Common component package

Function package

System-wide component

Subsystem-wide component

Function-wide component

Usage

System

Subsystem

Subsystem

Function

**Fn**

**Fn**

**Action**

Common components

**Sub**

**Sub**

**Sys**

Subsystem

**Sys**

システム内共通コンポーネント

サブシステム内共通コンポーネント

機能内共通コンポーネント

**Sub**

**Fn**

使用

システムパッケージ

サブシステムパッケージ

共通コンポーネントパッケージ

機能パッケージ

Guide