# Centralized Cruise Database Diagram Documentation

## Overview:

The Centralized Cruise Database (CCD) contains various objects from external modules as well as objects for storing the cruise data and the associated Cruise Data Management Application (CRDMA). The color-coded [database diagram](data_model/cruise_db_diagram.pdf) shows the various tables defined in the CCD and this document describes what each object color represents.

## Resources:

* [Centralized Cruise Database Diagram](data_model/cruise_db_diagram.pdf)
* [Centralized Cruise Database Documentation](Centralized%20Cruise%20Database%20-%20Technical%20Documentation.docx)
* [CRDMA Technical Documentation](../CRDMA/docs/Cruise%20Data%20Management%20Application%20-%20Technical%20Documentation.docx)

## Color Code Definitions:

* The yellow objects are the core cruise data objects used to store the cruise data in the Centralized Cruise Database
* The green objects are cruise data objects used to define the presets for various reference tables in the Centralized Cruise Database
* The blue objects are directly used by the [CRDMA](../CRDMA/docs/Cruise%20Data%20Management%20Application%20-%20Technical%20Documentation.docx) to facilitate authorization in the application, these objects are from the Authorization Application Module that is listed in the [Database Documentation](Centralized%20Cruise%20Database%20-%20Technical%20Documentation.docx)
* The orange objects are used to validate the data in the CCD, these are objects from the external Data Validation Module (DVM) that is listed in the [Database Documentation](Centralized%20Cruise%20Database%20-%20Technical%20Documentation.docx)
* The gray objects are from various external modules listed in the [Database Documentation](Centralized%20Cruise%20Database%20-%20Technical%20Documentation.docx)