

CHAPTER 1. BACKGROUND

1-1 Software Configuration Management Background

In order to better create and operate programs that are fully responsive to the Department of Housing and Urban Development's (HUD) needs, while also reflecting the standards of quality that the American public deserves and requires, HUD is transforming itself through Management Reform. Process Innovation and Improvement are key elements of this reform. HUD is tasked by legislation such as the Clinger-Cohen Act, the Government Paperwork Reduction Act (PRA), and the Government Performance and Results Act (GPRA), by organizations like the Office of Management and Budget (OMB) and the General Accounting Office (GAO), and internally by HUD 2020 to renovate inefficient processes, eliminate redundancy, improve data quality, and validate that HUD is actively meeting the needs of its stakeholders.

EIA 649 has been issued as the government and industry guidelines for CM. It states that CM is a management process for establishing and maintaining consistency of a product's performance, functional and physical attributes with respect to its requirements, design and operational information throughout its life. Accordingly, the Department's Software Configuration Management will verify that the current configuration identification has been placed under formal internal controls, will verify that all digital design data have been updated and that all digital design files and models have been captured and inducted into Product Data Management system vaults.