

CIO Handbook Draft

Table of Contents

Table of Contents	1
Executive Summary	5
CIO Role at a Glance	7
1. CIO Responsibilities	9
1.1 IT Leadership and Accountability	9
1.1.1 CIO Responsibilities – Laws and Executive Orders	9
1.1.2. Agency IT Authorities – Laws and Executive Orders	11
1.1.3 CIO Responsibilities – OMB Guidance	13
1.1.4 Agency IT Authorities – OMB Guidance	14
1.2 IT Strategic Planning	22
1.2.1 CIO Responsibilities - Laws and Executive Orders	22
1.2.2 CIO Responsibilities - OMB Guidance	22
1.2.3 Agency IT Authorities - Laws and Executive Orders	25
1.2.4 Agency IT Authorities - OMB Guidance	26
1.3 IT Workforce	29
1.3.1 CIO Responsibilities - Laws and Executive Orders	29
1.3.2 CIO Responsibilities - OMB Guidance	30
1.3.3 Agency IT Authorities - Laws and Executive Orders	30
1.3.4 Agency IT Authorities - OMB Guidance	31
1.4 IT Budgeting	32
1.4.1 CIO Responsibilities - Laws and Executive Orders	32
1.4.2 CIO Responsibilities – OMB Guidance	32
1.4.3 Agency IT Authorities – OMB Guidance	35
1.5 IT Investment Management	38
1.5.1 CIO Responsibilities – Laws and Executive Orders	38
1.5.2 CIO Responsibilities – OMB Guidance	39
1.5.3 Agency IT Authorities – OMB Guidance	41
1.6 Information Security and Privacy	45
1.6.1 CIO Responsibilities – Laws and Executive Orders	45
1.6.2 CIO Responsibilities – OMB Guidance	45

1.6.3 Agency IT Authorities – Laws and Executive Orders	47
1.6.4 Agency IT Authorities – OMB Guidance	48
1.7 Architecture	57
1.7.1 CIO Responsibilities – Laws and Executive Orders	57
1.7.2 CIO Responsibilities – OMB Guidance	57
1.8 Information Resources and Data	59
1.8.1 Agency IT Authorities – Laws and Executive Orders	59
1.8.2 Agency IT Authorities – OMB Guidance	59
2. Laws	65
2.1 Federal Information Technology Acquisition Reform Act (2014)	65
2.2 Clinger Cohen Act (1996)	66
2.3 Federal Information Security Modernization Act (2002)	67
2.4 Chief Financial Officers Act (1990)	67
2.5 Privacy Act (1974)	68
2.6 Government Performance and Results Act (1993)	69
2.7 Paperwork Reduction Act (1980 and 1995)	70
2.8 Government Paperwork Elimination Act (1998)	70
2.9 Information Quality Act (2000)	71
2.10 Freedom of Information Act (2000)	71
2.11 Confidential Information Protection and Statistical Efficiency Act (2002)	72
2.12 Digital Accountability and Transparency Act (2014)	73
2.13 Geospatial Data Act (2018)	73
2.14 Evidence-Based Policy Making Act (2018)	74
2.15 Open Government Data Act (2018)	74
2.16 Creating Advanced Streamlined Electronic Services for Constituents Act (2019)	75
2.17 Internet of Things Cybersecurity Improvement Act of 2020	75
2.18 IT Modernization Centers of Excellence Program Act	75
3. Other Authorities	77
3.1 Executive Orders (EOs)	77
3.2 OMB Circulars	77
3.3 OMB Memoranda	78
3.4 DHS Binding Operational Directive (BOD)	78
4. Key Stakeholders	79
4.1 Overview of Key Stakeholders	79
4.2 Chief Acquisition Officer (CAO)	79

4.3 Chief Data Officer (CDO)	80
4.4 Chief Financial Officer (CFO)	82
4.5 Chief Human Capital Officer (CHCO)	83
4.6 Chief Information Officers Council (CIOC)	84
4.7 Chief Information Security Officer (CISO)	85
4.8 Chief Operating Officer (COO)	85
4.9 Office of Executive Councils	86
4.10 OMB Budget Resource Management Offices (RMOs)	86
4.11 Performance Improvement Council (PIC)	87
4.12 President's Management Council (PMC)	87
4.13 Congress / Legislative Affairs	87
4.14 General Counsel	88
4.15 Senior Agency Official for Privacy (SAOP)	88
4.16 Senior Agency Official for Records Management (SAORM)	89
5. Key Organizations	91
5.1 Office of Management & Budget (OMB)	91
5.2 General Services Administration (GSA)	92
5.3 Department of Homeland Security (DHS)	93
5.4 National Institute of Standards and Technology (NIST)	95
5.5 Government Accountability Office (GAO)	96
5.6 Office of the Inspector General (OIG)	97
5.7 National Archives and Records Administration (NARA)	97
6. Policies & Initiatives	99
6.1 President's Management Agenda (PMA)	99
6.2 PortfolioStat	99
6.3 TechStat	100
6.4 Capital Planning and Investment Control (CPIC)	100
6.5 Technology Business Management (TBM)	101
6.6 Data Center and Cloud Optimization Initiative (DCCOI)	101
6.7 Federal Data Strategy	102
6.8 High Value Assets (HVAs)	102
6.9 Budget Line of Business (LoB)	103
6.10 Federal Acquisition Regulation (FAR)	104
7. Reporting	105
7.1 Integrated Data Collection (IDC)	105

7.2 CPIC Reporting	105
7.3 DCOI Reporting	106
7.4 FISMA Reporting	107
7.5 FITARA Reporting	108
7.6 FISMA Report to Congress	108
8. Reporting Calendar	109
9. Additional Resources	111
9.1 CIO Council Resources	111
9.2 NIST Resources	114
9.3 DHS Resources	116
9.4 GSA Resources	117
9.5 OPM Resources	118