



**MURIEL BOWSER**  
**MAYOR**

November 14, 2022

The Honorable Phil Mendelson  
Chairman  
Council of the District of Columbia  
John A. Wilson Building  
1350 Pennsylvania Avenue, NW, Suite 504  
Washington, DC 20004

Dear Chairman Mendelson:

In accordance with section 2 of the Confirmation Act of 1978, effective March 3, 1979 (D.C. Law 2-142; D.C. Official Code § 1-523.01), and pursuant to section 2 of An Act To provide voluntary apprenticeship in the District of Columbia, approved May 21, 1946 (60 Stat. 204; D.C. Official Code § 32-1402), I am pleased to nominate the following person:

Mr. William H. Dean  
P Street, NW  
Washington, DC 20007  
(Ward 2)

for reappointment as a representative of an employer organization member of the Apprenticeship Council, to serve the remainder of an unexpired term ending November 19, 2023.

I would appreciate the Council's earliest consideration of this nomination for confirmation. Please do not hesitate to contact me, or Steven Walker, Director, Mayor's Office of Talent and Appointments, should the Council require additional information.

Sincerely,

A handwritten signature in black ink that reads "Muriel E. Bowser".

Muriel E. Bowser  
Mayor



Chairman Phil Mendelson  
at the request of the Mayor

A PROPOSED RESOLUTION

IN THE COUNCIL OF THE DISTRICT OF COLUMBIA

To confirm the reappointment of Mr. William H. Dean as a member of the Apprenticeship Council.

RESOLVED, BY THE COUNCIL OF THE DISTRICT OF COLUMBIA, That this resolution may be cited as the "Apprenticeship Council William H. Dean Confirmation Resolution of 2022".

Sec. 2. The Council of the District of Columbia confirms the reappointment of:

Mr. William H. Dean  
P Street, NW  
Washington, DC 20007  
(Ward 2)

as a representative of an employer organization member of the Apprenticeship Council, pursuant to section 2 of An Act To provide for voluntary apprenticeship in the District of Columbia, approved May 21, 1946 (60 Stat. 204; D.C. Official Code § 32-1402), to serve the remainder of an unexpired term ending November 19, 2023.

Sec. 3. The Council of the District of Columbia shall transmit a copy of this resolution, upon its adoption, to the nominee and to the Office of the Mayor.

Sec. 4. This resolution shall take effect immediately.

# WILLIAM H. DEAN

## PROFESSIONAL EXPERIENCE

### **M.C. Dean, Inc. 1997 – present**

**Chief Executive Officer; 1990-1997, Vice President; 1981-1987, Apprentice, Laborer, Estimator**

William H. Dean is the chief executive officer of M.C. Dean, Inc., an engineering and systems integration firm that designs, builds, operates, and maintains cyber-physical solutions for mission critical facilities, secure environments, complex infrastructure, and global enterprises.

Since assuming the helm of the company in 1997, Mr. Dean has led the company from a \$44 million national firm to a billion-dollar, multinational corporation with more than 5,100 employees on six continents. He spearheaded the company's service expansion aligned with the digital revolution at the turn of the century, growing the automation and controls, electronic security, IT, and communications technology practices. Today, the company supports U.S. Federal Government, Department of Defense, and Fortune 100 customers who entrust M.C. Dean with contracts that secure the nation's air traffic, defend military facilities worldwide, connect DoD command centers, and power and protect the largest data centers in the world.

#### **Select Customer Accomplishments:**

- For the Pentagon, M.C. Dean provides design, construction, testing, operations and preventative maintenance for the mission critical systems to meet 99.997% reliability requirements for mission-critical tenants. This involves delivering high-voltage power generation, backup power, controls, lighting, fire alarm, and security systems, as well as simulation and testing of new equipment and assessing potential threats in a certified lab environment.
- OCONUS work for the DoD includes the delivery of systems engineering, network engineering, systems integration, software and applications development, and communications and security infrastructure across the European, Middle Eastern, and African theaters for the U.S. Army, Europe, European Command (EUCOM), and Africa Command (AFRICOM).
- Work at the National Reconnaissance Office Headquarters includes full campus fiber-optic cabling and communications to the desktop (the largest ever at the time), as well as security and service for critical systems, assisting the DoD agency in their design, build, launch, and maintenance of U.S. intelligence satellites.
- M.C. Dean manages the 24/7/365 operations, maintenance, and sustainment services for the largest U.S. federal data center, located in Utah. M.C. Dean teams service and secure the facility's mission-critical systems to ensure uninterrupted operations.
- For the U.S. Air Force, the company maintains and protects over 70 air bases, which includes the management of 100,000 access control systems (ACS), intruder detection systems (IDS), video management systems (VMS), perimeter, and mission critical flight line security systems.
- M.C. Dean is the integrator, maintenance and system administrator for the Alphabet company (Google parent company) worldwide, where we provide enterprise ACS, IDS, and VMS for data centers and facilities.
- M.C. Dean manages the high-voltage power, process controls, supervisory control and data acquisition systems (SCADAs), fiber optic network and critical systems commissioning, operations and maintenance for the Blue Plains Advanced Wastewater Treatment Plant, the largest wastewater treatment plant in the world, with a capacity of 370 million gallons of wastewater per day.



**Achievements in Innovation:** Responsible for thousands of critical environments worldwide, M.C. Dean has pursued the following innovative approaches to maximize the quality, security and resilience of its cyber-physical solutions.

- **Secure Industrial Control Systems:** M.C. Dean is leading the development of secure industrial control systems that support building automation, power, lighting, and water/wastewater systems as well as solar renewable energy and distributed diesel back-up generation for the U.S. Marine Corps at Camp Lejeune, North Carolina. This effort achieved near first of its kind Authority to Operate bypassing longstanding waivers.
- **Modular Design:** Under Mr. Dean's direction, M.C. Dean has matured its prefabrication and modular delivery capabilities to include multiple disciplines—architectural, mechanical, electrical, systems, and structural—to produce fully integrated modular electric power modules, telecommunication systems modules, and component assemblies offsite. Modular design, integration, and testing speeds up the delivery, enhances safety, improves the quality and maximizes the security of developing large-scale, complex infrastructure.
- **Labs:** At its Virginia headquarters and several regional offices, M.C. Dean maintains engineering and system simulation labs, which serve as extensive remote testing environments with virtual servers, hardware, software, and equipment for access control, intrusion detection, facial recognition, and environmental data analysis. These labs are also used to address evolving threats and hazards as they emerge within the physical and cyber security landscape.

## **Millidyne, Inc.**

### **Program Manager 1988 - 1989**

Prior to joining M.C. Dean, Inc. on a full-time basis, Mr. Dean served as a Program Manager for Millidyne Inc., a Raleigh, NC-based wireless communications firm. In this position Mr. Dean managed the design and installation of UHF and microwave alphanumeric digital paging systems in more than twenty-five markets worldwide. This base of clientele included major U.S. domestic cities as well as those in Sweden, Canada and the United Kingdom.

## **INDUSTRY LEADERSHIP & RECOGNITION**

### **Panels & Publications**

A frequent guest speaker, Mr. Dean is called upon by global enterprises and top federal agencies to advise on critical infrastructure, cybersecurity, and innovations in modular design.

- Defense Science Board Panel – *Energy Resiliency in the era of Enterprise IoT and Smart Microgrids*
- Interpol Panel – *Infrastructure Cyber Security: Past, Present and Future*
- Data Economy Magazine – *Building Data Centers for the World's Largest Government Agencies*
- Advancing Prefabrication Panel – *Understanding & Communicating the Advantages of Prefabrication to Maximize Industry Buy-In*
- SxSW, Innovation & Inclusion Panel – *Innovation Leadership in DC*
- SxSW, Smart City Panel – *Smart City Progress and Plans*
- Design-Build Institute of America National Conference – *Best Practices Panelist*
- MegaVENTION - *Trends in Design & Construction Panelist*
- NAVFAC Washington Safety Symposium – *Executive Panelist*
- Georgetown University guest lecturer - *Critical Infrastructure*

### **Patents**

- US 9,166,390 B2, Oct. 20, 2015: Overhead-Mounted Cable and Busway Support System
- US 9,909,692 B2, Mar. 6, 2018: Conduit Spacing and Mounting System and Method
- US 10,380,273 B2, Aug. 13, 2019: System and Method for Testing the Validity of BIM-Designed Electrical Wiring Pathways

### **Community Leadership**

- Youth Apprenticeship Advisory Committee - Chairman

- D.C Apprenticeship Council – Employer Representative and Chairman
- Design-Build Institute of America – former Board of Directors
- D.C. Workforce Investment Council – former Chairman of the Board of Directors
- Dulles South Alliance (DSA) – Co-founder and Past President
- Washington Airports Task Force – Board Member
- Academy of Construction and Design /ACAD BUILDS Internship Program – Founding Board Member
- DC Students Construction Trades Foundation – Board Member
- DC Chamber of Commerce – former Board Member
- Northern Virginia Community College – former Board Member
- Virginia Chamber of Commerce – former Board Member
- Virginia Education Task Force – former Member
- Loudoun County “Good Scout” Award

## Industry Memberships & Associations

- Design-Build Institute of America (DBIA)
- Young Presidents Organization (YPO)
- Building Industry Consulting Service International, Inc. (BICSI)
- Institute of Electrical and Electronic Engineers (IEEE)
- Associated Builders and Contractors, Virginia Chapter (ABC)
- American Society of Industrial Security (ASIS)
- Armed Forces Communications and Electronics Association International (AFCEA)
- Association of Energy Engineers (AEE)
- The 123 Club
- The 2030 Group

## EDUCATION & TRAINING

### Education

- Bachelor of Science, Electrical Engineering, North Carolina State University, 1988
- Stanford University, Executive Management Program, 2004
- YPO-WPO Growing your Business Programme, London Business School 2014
- Clemson University- Construction Industry Project Management Academy 1994
- Clemson University -Construction Industry Executive Leadership Academy 1997Z

### Educational Honors

- Distinguished Engineering Alumnus, North Carolina State University, 2011
- Member, Engineering Foundation Board of Directors, North Carolina State University
- Winter Commencement Speaker, North Carolina State University Department of Electrical and Computer Engineering, 2009
- Guest lecturer, Georgetown University, 2008
- Lecturer at the Johns Hopkins University 10/2012 – 12/2012

### Certifications

- BICSI Registered Communications Distribution Designer (RCDD), #106019
- BICSI LAN (Local Area Network Specialist) (RCDD), EXP. 1999
- Certified Fiber Optic Cable Technician, Optical Cable Corporation
- System 5000 Connectivity, Bay Networks
- Belden-Krone Certified Cabling System Designer and Estimator
- Substation Maintenance Technician I
- EIT Engineer in Training NC
- Fluke Certified Cabling Test Technician



## Training

- Shipley's Capturing Federal Business
- Shipley's Positioning to Win: Selling to the Government
- Shipley's Proposal Planning and Development
- Hy Silver How to Write Proposals
- National Center for Construction Education and Research - Executive Management Academy
- BICSI High-speed Campus Backbone Design
- BICSI Introduction to Internetwork Design
- BICSI Telecommunications Distribution Systems
- Association of Energy Engineers - LonWorks Interoperability
- Bellcore - Data Communications & Internet Access
- Northern Telecom - IBDN Design & Engineering
- Clemson Program of Professional Development - Project Management
- Belden-Krone - Voice and Data Distribution
- American Research Group - Fiber Optic System Design
- Datatech Institute - Telecommunication Systems
- GE Fanuc - Automation Series 90 Test Drive Training
- CCTV Design & Installation
- Federal Publications – Practical Construction Law
- AVO / Multi-Amp Institute Substation Maintenance
- Teletrol Systems – Systems Fundamentals (Building Automation)
- National Code Seminars – Grounding of Electrical Systems
- National Code Seminars – Installing Commercial Building Telecommunications Cabling

## Licenses

- Licensed Officer/Shareholder, TX Department of Public Safety, # 234621
- Master Electrician – DE, #T1-0005368
- Master Electrician – VA, #2710032772
- Qualified Agent / Master Electrician – MD, #11180
- Master Electrician – City of Baltimore, MD #M5318
- Master Electrician – WV, #M234621REVA07
- RCDD - # 202790



Executive Office of the Mayor - Office of Talent and Appointments

John A. Wilson Building | 1350 Pennsylvania Avenue, Suite 600 | Washington, DC 20004

## William H. Dean



William H. Dean is the Chief Executive Officer of M.C. Dean, Incorporated, and a current member of the Apprenticeship Council.

During his time with engineering and systems integration firm M.C. Dean, Incorporated, Mr. Dean led the company from a \$44 million national firm to a billion-dollar, multinational corporation spanning 6 continents. He also spearheaded the company's service expansion by growing automation and controls, electronic security, information technology, and communications technology practices.

A Ward 2 resident, Mr. Dean received a Bachelor of Science in Electrical Engineering from North Carolina State University.



GOVERNMENT OF THE DISTRICT OF COLUMBIA

Executive Office of Mayor Muriel Bowser



Office of the General Counsel to the Mayor

**To:** Office of Policy & Legislative Affairs, Steve Walker  
**From:** Betsy Cavendish  
**Date:** November 7, 2022  
**Subject:** Legal sufficiency review of Resolutions nominating Violet Carter, Frank Chiaramonte, Courtland Cox, William H. Dean, Stephen J. Lanning, Leroy Watson, and Ioannis John Xanthos as members of the Apprenticeship Council

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**This is to Certify** that this office has reviewed the above-referenced resolutions and found them to be legally unobjectionable. If you have any questions in this regard, please do not hesitate to call Vanessa Careiro, Deputy General Counsel, Executive Office of the Mayor, at 202-724-1303, or me at 202-724-7681.

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Elizabeth Cavendish