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 1812 of the Office of the Chief Technology Officer Establishment Act of 1998, effective March 26, 1999 (D.C. Law 12-175; D.C. Official Code § 1-1401), and section 2 of the Confirmation Act of 1978, effective March 3, 1979 (D.C. Law 2-142; D.C. Official Code § 1-523.01), I am pleased to nominate the following person:

Mr. Tegene Baharu  
8208 Maple Ridge Ave.  
Springfield, VA 22153

for appointment as Chief Technology Officer of the Office of Chief Technology Officer, and shall serve in that capacity at the pleasure of the Mayor.

Enclosed, you will find biographical information detailing Mr. Baharu’s experience, together with a proposed resolution to assist the Council during the confirmation process.

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

Sincerely,

Muriel Bowser  
Mayor
A PROPOSED RESOLUTION

IN THE COUNCIL OF THE DISTRICT OF COLUMBIA

Chairman Phil Mendelson, at the request of the Mayor, introduced the following resolution, which was referred to the Committee on ________________________

To confirm the appointment of Mr. Tegene Baharu as Chief Technology Officer of the Office of Chief Technology Officer.

RESOLVED, BY THE COUNCIL OF THE DISTRICT OF COLUMBIA, that this resolution may be cited as the “Chief Technology Officer Tegene Baharu Confirmation Resolution of 2015”.

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

Mr. Tegene Baharu
8208 Maple Ridge Ave
Springfield, VA 22153

as Chief Technology Officer of the Office of Chief Technology Officer, established by section 1812 of the Office of the Chief Technology Officer Establishment Act of 1998, effective March 26, 1999 (D.C. Law 12-175; D.C. Official Code § 1-1401), and 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), to serve at the pleasure of the Mayor.

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.
EXECUTIVE SUMMARY

Accomplished technology executive and visionary thought leader with an extensive track record of developing and leading complex technology organizations and programs from the ground up. Experience managing full life-cycle IT-Programs to include: program management, infrastructure, engineering, development, applications, telecommunications, cyber security and security operations, digital, and service delivery (customer experience) for both product and service provider models in public and private sectors globally. Proven past performance building profitable service lines by developing superior technology products and services, driving revenue, growing market share and improving organizational productivity. Led organizations through restructuring, start-up and growth phases. Manages budgets in excess of $250M and teams of 550+. Solved high impact business problems while setting strategic direction and enterprise architecture for technology in various capacities from Acting Chief Technology Officer for the District of Columbia to Executive Technology Advisor and Information Communication Telecommunications (ICT) Consultant and subject matter expert (SME) for high-impact international programs.

Tegene brings an intricate balance of innovation, security, technical and regulatory expertise, data-driven problem solving and a tenacious results-driven approach. The recipient of many prestigious awards to include the Community Network of the year from NATOA and Top 10 Digital Cities, to the White House’s coveted Champions of Change, Tegene’s vision has pioneered high profile projects like DC-CAN. The Open accessibility wide broad network has made broadband affordable to anchor Institutions and non-profits in underserved communities. This project put the District on the map as the first 100 GB City in the US.

EXPERIENCE

District of Columbia Government
Office of the Chief Technology Officer (OCTO) Acting Chief Technology Officer

January 2015 - Present

Executive oversight and full accountability of the District’s technology agency through the strategic leadership, deployment and management of citywide technology undergirding 100+ District Agencies, Federal Agencies and Community Anchor Institutions respectively. Lead the District’s strategy, deployment, centralization, consolidation and modernization efforts in a framework underpinned by governance, security and efficiency.

Responsibilities include but are not limited to:

- Ensuring a ubiquitous, reliable, nimble and secure computing environment to enable the critical functions of District government including public safety, education, health, housing, government operations and economic development with an uptime of 99.9999%
- Safeguarding the District’s data and assets against security threats and attacks in support of the 34,000+ users
- Support the operations of a 120+ Application Services team delivering agency specific (customized) and critical enterprise applications to include our Human Capital and Financial products in support of all District agencies and employees.
- Establishing and building an innovation program targeted to solving citizen-centric issues leveraging technology and the civic tech community.
- Expanding dedicated municipal broadband, voice, data and video services across District and Federal agencies in tandem with expanding critical programs aimed at bridging the digital divide through a number of community serving programs to include DC-CAN (The Community Anchor Network) and ConnectDC.
- Leading the District’s Open Data strategy and program, ensuring data transparency and accountability through the comprehensive citywide data warehouse.
- Expanding the newly launched Cyber Security and Security Operations Centers and the Citywide Information Security programs to include the build out of a Threat Assessment Unit and functions.
- Advancing the Geospatial Information Systems (GIS) and Mobile application platforms and related products in an effort of expanding civic centered services.
- Drive digital inclusion programs to bridge the digital divide for the underserved communities of the District.
Tegene Baharu
7438 Spring Summit Road | Springfield, VA 22150
tegene.baharu@dc.gov

- Aggressively deliver the modernization of District Schools and programs through the use of cutting edge wireless high-speed broadband access available at every school.
- Lead the District as the 17th of the states and territories through the FirstNet public safety interoperability network exercise to position meet upcoming federal regulations around a dedicated high-speed communications framework.
- Establishing a Smart City program to deliver sustainable programs across infrastructure innovation to the District leveraging technology.

District of Columbia Government
Deputy Chief Technology Officer, Information Communication Technology
February 2013 – December 2014

Responsible for the development and on-going advancement of the District’s ICT Strategy and Operations. Direct oversight of DC-Net, Citywide IT Security, Network Operations, Telecomm Governance and Infrastructure Services in addition to nimble application development, research and development and GIS teams.

Responsibilities and accomplishments include but are not limited to:
- Developing and building the city’s first Cyber and Security Operations Centers using state-of-the-art smart building design techniques in parallel with a Security program framework.
- Leveraging smart city and smart building best practices, designed the technical build of both the City’s award winning Consolidated Forensic Sciences’ Lab and OCTO’s HQ. These buildings display best-in-breed building, lab and technology standards to drive efficiency, drive down cost and maximize space while creating a holistic workspace for District employees.
- Developing the District’s first ICT technology road map and strategy to drive efficiencies in infrastructure, to include a Smart City framework.
- Architected and deployed the City’s DC-CAN (Community Anchor Network) to enable broadband access to Community Anchor Institutions and underserved communities leveraging DC-Net’s infrastructure assets, this program.
- In Partnership with George Washington University, designed and developed the Capital Area Advanced Research Education Network (CAAREN) also known as Edu-Net – Internet2, a research network that offers dedicated ultra high-speed services to government, education and research organizations, and private sector organizations within the District of Columbia and Northern Virginia.
- Recipient of 2 NATOA Awards and the White House’s Champion’s of Change Award.

District of Columbia Government
Deputy Chief Technology Officer, Citywide Technology Infrastructure & ICT Services
March 2011 – February 2013

Promoted to DCTO for the Citywide Technology Infrastructure Services organization within OCTO. Led the agency wide restructuring of OCTO to include the consolidation and re-engineering of the infrastructure organization in an effort of bridging the gap of a new administration and the challenge it faced of a significant deficit. Efforts resulted in the creation of an Enterprise Cloud & Infrastructure Services (ECIS), collapsing the mainframe, Data Center and Server Operations organizations. Additionally, the alignment of the IT ServUs helpdesk organization and the formalization of the ICT Division to include DC-Net.

Responsibilities included but were not limited to:
- Developing the District’s first Cloud Consumption Strategy to develop a long-term strategy to drive infrastructure efficiencies.
- Developed an agency-wide centralized pricing model and product catalog.
- Reduced operational costs through the renegotiation of citywide enterprise contracts, saving over $4 Million in year one.
- Responsible for the decommissioning of OCTO Data Center 2, creating a risk mitigation plan for District infrastructure.
- Designed built a multi-tenant state of the art Data Center for the District with local high-availability and next generation data center architecture.
- Deployed public safety security architecture
- Consolidated LAN WAN enterprise engineering division and Citywide Wireless Division into the DC-Net’s zero-based of cost avoidance of over $6M
District of Columbia Government
Director, DC-Net

Promoted to Directorship to bring leadership, solvency and operational excellence to DC-Net, the District's fiber optic communications network program. Transformation efforts included a turn-around that took the program from a deficit in access of $85M to a self-funded $110M award winning municipal broadband program. Responsible for 100+ staff, evaluated, right-sized and aligned workforce to create a high-performance thriving culture. Developed and established a culture of accountability, fiscal responsibility and transparency to drive financial performance, operational efficiency and improved service delivery across 80+ agencies. Constantly challenged to identify the capital and resource requirements necessary to develop the program demands while balancing Mayoral priorities.

Responsibilities and accomplishments include but were not limited to:

- Overseeing all IT functions including Citywide Optical backbone, voice operations, technical support of 25K voice and 33K data and video customers.
- Launching multiple services and standard operating procedures that delivered best-in-class services at exceptional savings to include voice, data, video, wire-line and wireless services.
- Instituting project life-cycle management best practices to drive performance, increase capacity and meet customer KPIs.
- Working on a citywide datacenter relocation to leverage cloud computing, build energy efficient data centers, increase the scalability and security while interconnecting to surrounding jurisdictions to support and exchange Public safety data, as well as test new applications for interoperability.
- Recruiting and retaining in-house subject matter expertise through multiple talent acquisition plans.
- Increasing program revenue YoY while reducing payment cycle times from agencies through process improvements.
- Connecting over 200 additional locations in a 24-month period, to include 140 District Public Schools.
- Establishing strategic public private partnerships, harnessing free services for the District.
- Identified and led multi-agency federal grant strategy resulting in on-going financial infusion and investment in DC-Net program.
- Developing a sales and service delivery Business Unit to expand services in addition to managing client relationship across the majority of District agencies, later reaching Federal clientele.
- Converting citywide fiber plant routes and structures into a GIS and stellar map application and program.
- Designing and implementing an enterprise-wide video conferencing solution ranging from tele-presence (premiered during Presidential Inauguration) at the high-end to desktop and soft-client based solutions at the low end.
- Providing customized services for high-profile special events, such as the Presidential Inauguration.
- Developing and delivering ongoing training and development programs with a hands-on motivational leadership style to continually drive focused teams toward performance excellence.
- Delivered significant cost avoidance for Federal agencies upwards $30M.
Tegene Baharu
7438 Spring Summit Road | Springfield, VA 22150

District of Columbia Government
Office of the Chief Technology Officer, DC-Net
Sr. Logical Engineering Manager & Architect

July 2003 – March 2007

Selected to lead a team of engineers to turn-around an underperforming fiber optic communications network program facing program termination. Led efforts to design the core switching and the overall network architecture resulting in a maximized network with the unique ability to create a dedicated citywide fiber optic infrastructure. Worked across cross-functional teams to build a public-safety grade network core that demonstrated tremendous availability resulting in higher-than commercial carrier services. Managed multi-disciplinary team with expertise in network management, cabling, network switches, data centers, telephone systems and messaging.

Responsibilities and accomplishments included but were not limited to:

• Designing, engineering and implementing IP-MPLS (L3 VPN Core) network over a SONET infrastructure to deploy voice, data and video applications.
• Responsible for the implementation and network architecture.
• Designing, implementing, and troubleshooting small to large-scale complex networks using Cisco, Juniper products (Switches, Routers, and Access Servers, DWDM and Optical ADM)
• Provisioning new customers, monitoring and supporting complex MPLS/MPBGP/VPNv4 infrastructure and customer and providing custom solutions to meet customer’s requirements.
• Designing and deploying complex Avaya Voice Gateway G650-G700 and voice switches S8700, S8710 Soft Switches and IPT deployment for medium to large-scale government users.
• Developing and implementing QoS, MPLS Traffic Engineering architectures for optimum service delivery of voice video and other mission critical applications.
• Developing a comprehensive network diagrams and presentations.
• Evaluating hardware, software and infrastructure to achieve high availability and high reliability of network.
• Developing cost effective and reliable new Metro Ethernet based products for supporting voice data and video for medium or small size DC Government Agencies.
• Developing and reviewing internal process procedures to improve the quality of operations and customer support.
• Managing program specific budgets (capital & operational)

District of Columbia Government
Office of the Chief Technology Officer – DC-WAN
Senior WAN Engineer (Contract through TDC)

2001 – 2003

Integral member of a small tiger team of lead engineers tasked with driving infrastructure innovation through the research, design, development and implementation of new technologies. Responsible for the architect design and migration of legacy SMDS circuits into a frame relay network at over 140 locations.

Responsibilities and accomplishments included but were not limited to:

• Developing framework architecture for a world-class citywide network to ignite the 100-Miles plus of static fiber the District had not successfully activated.
• Designing a highly available core network across multiple data centers to support mission critical government applications.
• Developing metrics and scripts for capacity planning of network infrastructure data center build outs.
• Building state of the art modular Cisco & Juniper labs for development work.
• Architecting, documenting and migrating non-secure vendor connections to a secure extranet network using PIX-Firewalls.
• Providing oversight of security design rollouts.
• Developing framework architecture for a network to enable the 100-Miles plus of static fiber the District failed to activate into a world-class communications network.
George Washington University
Senior Information Systems Engineer

Responsibilities included but were not limited to:

- Supporting and maintaining network infrastructure to provide enterprise voice, data and video services for 12,000+ end users (university students and faculty)
- Designing and leading a migration strategy from ATM based technologies to Gigabit Ethernet based topology
- Developed a hardware comparison matrix and proof of concept for a lab and various testing scenarios to establish bandwidth for high availability campus style gigabit Ethernet Networks

Winstar Communications
Sr. Network Engineer
Enterprise Engineering and Backbone Engineering Division

Key member of elite engineering team leveraged for most challenging engineering projects and must-win client engagements. Was awarded the CEO’s Employee of the Year award for a turn-around twin-tower campus project.

Responsibilities included but were not limited to:

- Architecture, design and execution of 60+ global ICT site builds to include 48 North America (US), South America & Europe
- Developing complex multicast solutions for broadcasts of 5,000 users or more
- Designing, building and managing a technology campus to include network infrastructure, routing, and switching topology
- Designing and implementing national and international networks for sales offices using a mix of microwave, ILEC and CLEC data circuits
- Deploying IP networks for Winstar’s carrier class CO’s, collocation, and datacenters

ALT Enterprises
Network Engineer

Responsibilities included but were not limited to:

- Building the last mile IP network extensions for metropolitan cities in the US
- Installing and configuring wiring and DC Power plants for Cisco devices
- Developing policies and procedures for the support team in efforts of pre-fabricating network kits for out of the box installation and service delivery.
- Hiring, training, certifying and developing field engineers for maximum deployment efforts.

CONSULTING

In his free time Tegene served as an Information and Communication Technology (ICT) subject matter expert (SME) in a consulting capacity to several Think Tanks, and International Higher Learning Institutions and the World Bank, where he has served as an architect on critical country enterprise architecture and ICT projects supporting developing countries to include Ethiopia, Benin, Haiti, Trinidad & Tobago, Dominican Republic, Barbados, Jamaica, The Bahamas, Belize and Suriname.

Projects have included but are not limited to:

- eGovernment enterprise architecture and national data center as part of a country wide ICT development project designed to support multiple channels an the interaction of Government to Citizen (G2C), Government to Business (G2B), Government to Employee(G2E) and Government to Government (G2G) touch points.
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- Assessing the technical and financial viability of creating a fiber optic backbone to include life-cycle program management including requirements analysis, network design, equipment specifications and regulatory expertise.
- Assessment of 8 regional countries for a full technology process and governance overhaul. Follow-on project resulted in the design of the transport architecture to connect the 8 regional countries via an interconnected DWDM Fiber network from a legacy ATM network.
- Designing countrywide enterprise architecture to include the design of next generation data centers to solve for broad IT capabilities to include systems, platforms, applications and facilities, communications and environmental systems among other network design & security framework.

A dynamic speaker in his own right, Tegene has led several critical projects delivering regulatory expertise and architecture work in the areas of ICT and Telecommunications. Tegene serves as a pioneer and critical contributor to many global and national initiatives and organizations to include GENI (NSF), FirstNet (NTIA), OMB and US Ignite to name a few.

EDUCATION

Carnegie Mellon University Heinz College  
CIO Certificate Program  
2015-2016

-University of Maryland  
Bachelor of Science, Engineering Science  
1996 90C

-Addis Abeba University Science Faculty 2-Yrs College  
1990

-High School Lycee Franco Ethiopian  
1989

AFFILIATIONS

National Association of State CIOs  
National Public Safety Telecommunications Council  
US Ignite  
National Institutes for Standards in Technology  
The Executive Office of the White House / OMB  
National Telecommunications and Information Administration, US Dept. of Commerce  
National Science Foundation  
Gartner  
CIO Executive Council

AWARDS

White House Champion’s for Change  
NATOAA’s Top 10 Digital Cities  
America’s First 100 GB City

LANGUAGES

English  
French  
Amharic
Tegene Baharu

Tegene is an accomplished technologist and visionary-thought leader who has taken on the Technology infrastructure in the District and has made it private-sector savvy. From leading teams in developing and managing critical enterprise applications to building a shared services model crossing barriers into private sector and Federal Agencies, Tegene has managed full lifecycle Information Technology (IT) functions and tremendous teams. The recipient of many prestigious awards like the Community Network of the year from National Association of Telecommunications Officers and Advisors (NATAO) and Top 10 Digital Cities to the White House’s coveted Champions of Change; Tegene’s vision has landed him high profile projects like The DC Community Access Network (DC-CAN). The Open accessibility wide-broad network has made broadband affordable to anchor Institutions and residents alike. This project put the District on the map as the first 100 GB City in the US.
To: Lolita Alston, Steve Walker  
From: Betsy Cavendish  
Date: May 22, 2015  
Subject: Legal Sufficiency Review of Appointment of Tegene Bahar as Director of OCTO

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

[Signature]

Elizabeth Cavendish