CATEX Checklist

Action Name:	OPM Roosevelt T-Mobile Antenna Equipment Upgrades
Action Location:	1900 E St NW, Washington, DC 20415
Action Description:	T-Mobile proposes installing (1) mmWave panel antenna on an existing pipe mount.
Category [CATEX #]:	Pursuant to paragraph 5.4 of the PBS NEPA Desk Guide (Oct 1999), this action is covered by Checklist CATEX Category (n): *"Installation of antennae consistent with GSA Bulletin FPMR D-242, "Placement of commercial antennas on Federal property."*

Part A: All Checklist CATEX Actions

	YES	NO	Need Data
A. Is the action likely to be inconsistent with any applicable Federal, State, Indian tribal, or local law, regulation, or standard designed to protect any aspect of the environment?		**X**	
B. Is the action likely to have results that are inconsistent with locally desired social, economic, or other environmental conditions?		**X**	
C. Is the action likely to result in the use, storage, release and/or disposal of toxic, hazardous, or radioactive materials or in the exposure of people to such materials?		**X**	
D. Is the action likely to adversely affect a significant aspect of the natural environment?		**X**	
E. Is the action likely to adversely affect a significant aspect of the sociocultural environment?		**X**	
F. Is the action likely to generate controversy on environmental grounds?		**X**	
G. Is there a high level of uncertainty about the action's environmental effects?		**X**	
H. Is the action likely to do something especially risky to the human environment?		**X**	
I. Is the action part of an ongoing pattern of actions (whether under the control of GSA or others) that are cumulatively likely to have adverse effects on the human environment?		**X**	
J. Is the action likely to set a precedent for, or represent a decision in principle about, future GSA actions that could have significant effects on the human environment?		**X**	
K. Is the action likely to have some other adverse effects on public health and safety or on any other environmental media or resources that are not specifically identified above?		**X**	

Part B: Conclusions

1. The action is a CATEX and requires no further environmental review.	**X**
2. The action is a CATEX but requires further review under one or more other environmental authorities (list).	
3. The action requires an EA.	
4. The action requires an EIS.	

Part C: Certifications

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8/26/2025

Program Staff Date

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Lindsey Veas

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REQA Representative

Date

CATEX CHECKLIST WRITE-UP

Part A: Project Description

Theodore Roosevelt Building, 1900 E St NW, Washington, DC 20415. GSA owned and operated.

T-Mobile is licensed by the Federal Communications Commission (FCC) to provide wireless service, including licenses to deploy its network in the Greater Washington, D.C. metropolitan area. T-Mobile proposes to upgrade the existing antenna array on the roof of the Roosevelt Building in order to continue to meet coverage and capacity objectives for the immediate area as part of this network.

T-Mobile currently maintains four equipment sectors on the roof of the Roosevelt Building. Proposed work would only occur at Sector 2. Ancillary equipment would be installed in the existing equipment cabinet.

Sector 1: No change.

Sector 2: Sector 2 is on the south side of the Roosevelt Building facing the corner of Virginia Avenue and 19th Street. At Sector 2, T-Mobile proposes to install (1) mmWave panel antenna. The (1) multibeam antenna and (15) remote radio units (RRUs) would remain. The new antenna would be painted to blend with the building's façade.

Sector 3: No change.

Sector 4: No change.

Figure 1. Sector 2 Installation (view from Virginia Avenue east of 19th Street), present and photo simulation

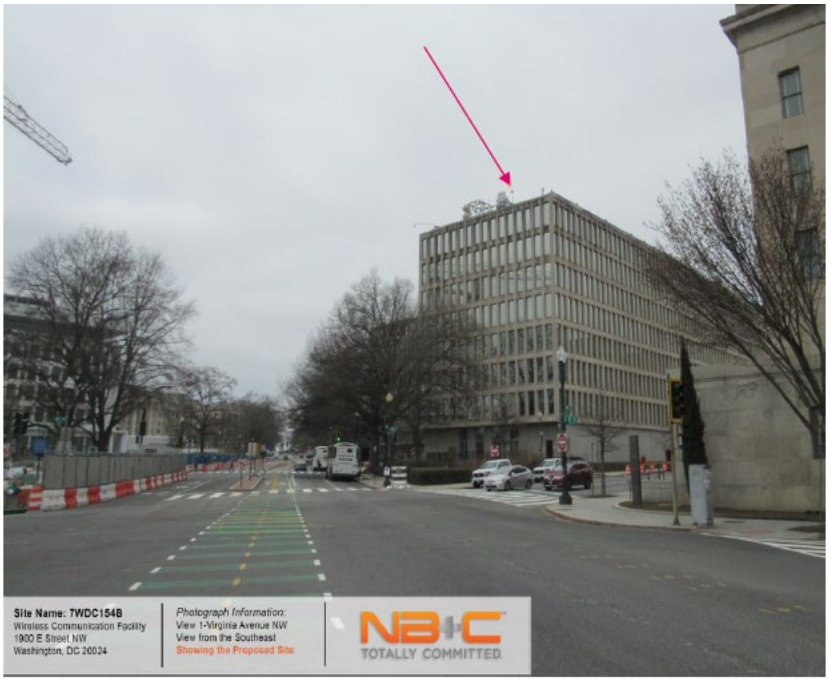
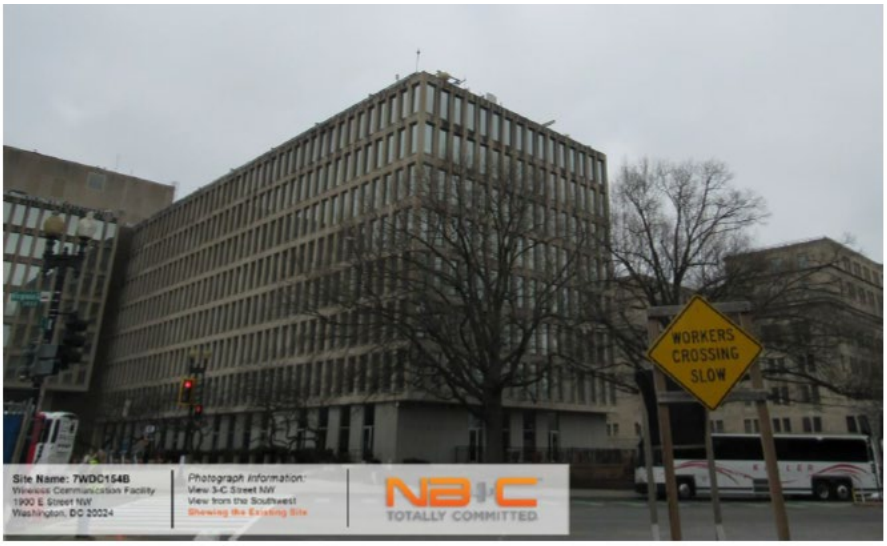


Figure 2. Sector 2 Installation (view from SE side of intersection at Virginia Avenue & 19th Street), present and photo simulation

Figure 3. Sector 2 Installation (view from SE side of intersection at Virginia Avenue & C Street), present and photo simulation



T-Mobile will complete a post RR/EME study 90 after construction complete date and provide a copy to GSA.

Part B: Checklist Justifications

A. Is the action likely to be inconsistent with any applicable Federal, State, Indian tribal, or local law, regulation, or standard designed to protect any aspect of the environment?

The proposed action would comply with all applicable Federal, State, local, and Tribal laws, standards and regulations designed to protect the environment. All work would be performed in accordance with all applicable codes and regulations. The installation and equipment would be well-maintained for its continued safe operation. The proposed project would comply with Radiofrequency (RF) Exposure Guidelines with FCC and Occupational Safety & Health Administration (OSHA) regulations. These proposed antennas would not generate any solid waste or water or air pollutants. Installation of the proposed antennas would be conducted in compliance with the International Building Code 2012.

Following installation, T-Mobile would conduct regular periodic inspections of the site to ensure its continued safe operation. The roof is a secured area that is not accessible by the general public.

B. Is the action likely to have results that are inconsistent with locally desired social, economic, or other environmental conditions?

The action would be consistent with locally desired social, economic, and other environmental conditions. The action is not likely to have any adverse effect on the traffic patterns, access and circulation, traffic volume, utilities, or be inconsistent with existing zoning.

C. Is the action likely to result in the use, storage, release and/or disposal of toxic, hazardous, or radioactive materials or in the exposure of people to such materials?

The FCC established safety guidelines relating to potential RF exposure from cell sites. The FCC developed the standards, known as Maximum Permissible Exposure (MPE) limits, in an interagency consultation that included the Environmental Protection Agency (EPA), the Food and Drug Administration (FDA), and OSHA. Areas or portions of this transmitter site may be susceptible to high power densities that could cause exposures in excess of the FCC guidelines for transient personnel working in or near the antenna array. These areas would be demarcated by conspicuously posted signage that identifies the potential exposure. Signage would be viewable regardless of the viewer's position. Physical barriers would be employed as an additional administrative control to complement RF signage and physically demarcate an area in which RF exposure levels may exceed the FCC General Population limit.

D. Is the action likely to adversely affect a significant aspect of the natural environment?

According to the FEMA Flood Insurance Rate Maps (Map number: 1100010018C, effective date 09/27/2010), the Roosevelt Building is not within a defined Special Flood Hazard Area (SFHA). The proposed action is not likely to adversely affect a significant aspect of the natural environment and would be located on the existing rooftop. Therefore, the action would comply with EO 11988.

E. Is the action likely to adversely affect a significant aspect of the socio-cultural environment?

The Roosevelt Building is not listed on the National Register of Historic Places but is considered to be eligible. Due to mitigation measures implemented in the architectural drawings and the status of the current antenna array, GSA has determined that the proposed upgrades would have no adverse effect on the Roosevelt Building or adjacent historic resources.

The Historic Preservation Office for the District of Columbia (HPO) reviewed the proposed project in accordance with Section 106 of the National Historic Preservation Act (NHPA), as amended. On August 26, 2025, the HPO concurred that this proposed project would have **no adverse effect** on historic properties.

F. Is the action likely to generate controversy on environmental grounds?

The proposed action is unlikely to generate controversy on environmental grounds. The proposed action is not anticipated to have adverse impacts.

Historic and cultural sites or visual elements: Due to mitigation measures implemented in the architectural drawings and the status of the current antenna array, GSA determined the proposed upgrades would have no adverse effect on the Roosevelt Building or adjacent historic resources.

Air pollution: The installation and removal of antennas on the roof of the existing building is not anticipated to emit or contribute to air pollution and the existing levels of air pollution at this site would remain unchanged. Therefore, the proposed project would have no effect on air pollution.

Natural resources and habitat: The project site is within the range of two species protected under the Endangered Species Act (ESA). The project would have no effect on the endangered Northern long-eared bat (*Myotis septentrionalis*) or the candidate monarch butterfly (*Danaus plexippus*) as the existing project site does not contain the appropriate habitat requirements for either species; any potential occurrence of species within the project site would be transient. The project site is not within or adjacent to the regulatory floodplain or a wetland. Absence of active nests of birds protected under the Bald and Golden Eagle Act or the Migratory Bird Treaty Act (MBTA) would be confirmed prior to implementation. If active nests are present within the work area such that work may not be completed, GSA will engage the U.S. Fish and Wildlife Service (USFWS) and the U.S. Department of Agriculture (USDA) to determine the best course of action.

Traffic: The installation and removal of antennas on the roof of the existing building would involve one major effort for installation followed by regular and as-needed maintenance. Installation and maintenance vehicles would reserve parking at the loading dock and reserve use of a freight elevator for the duration required. Street accommodation would not be necessary to facilitate installation or future maintenance. Therefore, the proposed project would have no effect on traffic.

Neighborhood quality: The project site is within a corridor consisting of Federal agency buildings, parks, and other buildings which would be occupied during the weekday. The general area includes museums, office buildings, and restaurants. The Roosevelt Building is (1) block north of the National Mall and (1) block west of the Ellipse.

G. Is there a high level of uncertainty about the action's environmental effects?

There is not a high level of uncertainty about the potential environmental effects resulting from the proposed action. Antennas are currently installed at this location; furthermore, GSA and communications providers are experienced in projects involving antenna installation and replacement.

H. Is the action likely to do something especially risky to the human environment?

There is not a high level of risk to the human environment as long as the mitigation measures contained within this this report are adhered to at all times when in close proximity to RF radiating elements. Access points to the roof areas would be inaccessible to the public and posted with appropriate signage. Antennas would be clearly marked on all sides by signage that clearly articulates the hazards of RF radiation.

I. Is the action part on an ongoing pattern of actions (whether under the control of GSA or others) that are cumulatively likely to have adverse effects on the human environment?

The action is not part of an ongoing pattern of actions that are cumulatively likely to have adverse effects on the human environment.

J. Is the action likely to set a precedent for, or represent a decision in principle about, future GSA actions that could have significant effects on the human environment?

The action is not likely to set a precedent for, or represent a decision in principle about, future GSA actions that could have significant effects on the human environment. The installation and removal of antennas is consistent with GSA Bulletin FPMR D-242, "Placement of commercial antennas on Federal property."

K. Is the action likely to have some other adverse effect on public health and safety or any other environmental media or resources that are not specifically identified above?

The action is not likely to have some other adverse effect on public health and safety or on any other environmental media or resources that are not specifically identified above. Personnel that require access in very close proximity (within 3 feet) to the radiating element of the antennas would employ Lock-Out/Tag-Out procedures to isolate the RF source prior to servicing equipment. Personnel would have proper training to control exposure during maintenance and installation if locked out/tagged out procedures cannot be exercised to antennas that are in close proximity. The use of RF Personal Protection Monitors that match all frequencies will be mandated for persons performing such work.