

systems architecture requiring isolation or protection from unauthorized internal access.

Discussion

Networks, both in safety-related and non-safety-related applications, have been implemented in existing commercial-production airplanes. However, network security considerations and functions have played a relatively minor role in the certification of such systems because of the isolation, protection mechanisms, and limited connectivity between these networks.

To provide an understanding of the airplane electronic equipment, systems, and assets, these special conditions use the concept of domains. However, this does not prescribe any particular architecture.

The aircraft-control domain consists of the airplane electronic systems, equipment, instruments, networks, servers, software and hardware components, databases, etc., which are part of the type design of the airplane and are installed in the airplane to enable the safe operation of the airplane. These can also be referred to as flight-safety-related systems, and include flight controls, communication, display, monitoring, navigation, and related systems.

The airline-information-services domain generally consists of functions that the airplane operator manages or controls, such as administrative functions, cabin-support functions, etc.

The passenger-information-services domain consists of all functions required to provide the passengers with information.

The Gulfstream Model GVII-G500 airplane design introduces the potential for access to aircraft-control domain and airline-information-services domain by unauthorized persons through the passenger-information-services domain; and the security vulnerabilities related to the introduction of viruses, worms, user mistakes, and intentional sabotage of airplane networks, systems, and databases.

For electronic systems-and-assets security in these domains, the level of protection provided against security threats should be based on a security-risk assessment, noting that the level of protection could differ between domains and within domains, depending on the security threat. For each security vulnerability and airplane electronic asset, Gulfstream should identify in which domain the asset will be addressed.

In addition, the operating systems for current airplane systems are usually and

historically proprietary. Therefore, they are not as susceptible to corruption from worms, viruses, and other malicious actions as are more-widely used commercial operating systems, such as Microsoft Windows NT, because access to the design details of these proprietary operating systems is limited to the system developer and airplane integrator. Some systems installed on the Gulfstream Model GVII-500 will use operating systems that are widely used and commercially available from third-party software suppliers. The security vulnerabilities of these operating systems may be more widely known than are the vulnerabilities of proprietary operating systems that the avionics manufacturers currently use.

Applicability

As discussed above, these special conditions are applicable to the Gulfstream Model GVII-G500 airplane. Should Gulfstream apply at a later date for a change to the type certificate to include another model incorporating the same novel or unusual design feature, these special conditions would apply to that model as well.

Conclusion

This action affects only a certain novel or unusual design feature on one model series of airplanes. It is not a rule of general applicability.

The substance of these special conditions has been subjected to the notice and comment period in several prior instances and has been derived without substantive change from those previously issued. It is unlikely that prior public comment would result in a significant change from the substance contained herein. Therefore, the FAA has determined that prior public notice and comment are unnecessary, and good cause exists for adopting these special conditions upon publication in the **Federal Register**.

The FAA is requesting comments to allow interested persons to submit views that may not have been submitted in response to the prior opportunities for comment described above.

List of Subjects in 14 CFR Part 25

Aircraft, Aviation safety, Reporting and recordkeeping requirements.

The authority citation for these special conditions is as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701, 44702, 44704.

The Special Conditions

Accordingly, pursuant to the authority delegated to me by the Administrator, the following special conditions are issued as part of the type

certification basis for Gulfstream Model GVII-G500 airplane.

Isolation or Security Protection of the Aircraft Control Domain and the Airline Information Services Domain From the Passenger Services Domain

1. Gulfstream must ensure that the Model GVII-G500 series airplane design provides isolation from, or airplane electronic-system security protection against, access by unauthorized sources internal to the airplane. The design must prevent inadvertent and malicious changes to, and all adverse impacts upon, airplane equipment, systems, networks, or other assets required for safe flight and operations.

2. Gulfstream must establish appropriate procedures to allow the operator to ensure that continued airworthiness of the Model GVII-G500 series airplane is maintained, including all post-type-certification modifications that may have an impact on the approved electronic-system security safeguards.

Issued in Renton, Washington, on July 7, 2016.

Michael Kaszycki,

Assistant Manager, Transport Airplane Directorate, Aircraft Certification Service.

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PENSION BENEFIT GUARANTY CORPORATION

29 CFR Part 4022

Benefits Payable in Terminated Single-Employer Plans; Interest Assumptions for Paying Benefits

AGENCY: Pension Benefit Guaranty Corporation.

ACTION: Final rule.

SUMMARY: This final rule amends the Pension Benefit Guaranty Corporation's regulation on Benefits Payable in Terminated Single-Employer Plans to prescribe interest assumptions under the regulation for valuation dates in August 2016. The interest assumptions are used for paying benefits under terminating single-employer plans covered by the pension insurance system administered by PBGC.

DATES: Effective August 1, 2016.

FOR FURTHER INFORMATION CONTACT: Deborah C. Murphy (*Murphy.Deborah@pbgc.gov*), Assistant General Counsel for Regulatory Affairs, Pension Benefit Guaranty Corporation, 1200 K Street NW., Washington, DC 20005, 202-326-4400 ext. 3451. (TTY/TDD users may call the Federal relay service toll-free at

1-800-877-8339 and ask to be connected to 202-326-4400 ext. 3451).

SUPPLEMENTARY INFORMATION: PBGC's regulation on Benefits Payable in Terminated Single-Employer Plans (29 CFR part 4022) prescribes actuarial assumptions—including interest assumptions—for paying plan benefits under terminating single-employer plans covered by title IV of the Employee Retirement Income Security Act of 1974. The interest assumptions in the regulation are also published on PBGC's Web site (<http://www.pbgc.gov>).

PBGC uses the interest assumptions in Appendix B to Part 4022 to determine whether a benefit is payable as a lump sum and to determine the amount to pay. Appendix C to Part 4022 contains interest assumptions for private-sector pension practitioners to refer to if they wish to use lump-sum interest rates determined using PBGC's historical methodology. Currently, the rates in Appendices B and C of the benefit payment regulation are the same.

The interest assumptions are intended to reflect current conditions in the financial and annuity markets. Assumptions under the benefit payments regulation are updated monthly. This final rule updates the

benefit payments interest assumptions for August 2016.¹

The August 2016 interest assumptions under the benefit payments regulation will be 0.50 percent for the period during which a benefit is in pay status and 4.00 percent during any years preceding the benefit's placement in pay status. In comparison with the interest assumptions in effect for July 2016, these interest assumptions represent a decrease of 0.25 percent in the immediate annuity rate and are otherwise unchanged.

PBGC has determined that notice and public comment on this amendment are impracticable and contrary to the public interest. This finding is based on the need to determine and issue new interest assumptions promptly so that the assumptions can reflect current market conditions as accurately as possible.

Because of the need to provide immediate guidance for the payment of benefits under plans with valuation dates during August 2016, PBGC finds that good cause exists for making the assumptions set forth in this amendment effective less than 30 days after publication.

PBGC has determined that this action is not a "significant regulatory action" under the criteria set forth in Executive Order 12866.

Because no general notice of proposed rulemaking is required for this amendment, the Regulatory Flexibility Act of 1980 does not apply. See 5 U.S.C. 601(2).

List of Subjects in 29 CFR Part 4022

Employee benefit plans, Pension insurance, Pensions, Reporting and recordkeeping requirements.

In consideration of the foregoing, 29 CFR part 4022 is amended as follows:

PART 4022—BENEFITS PAYABLE IN TERMINATED SINGLE-EMPLOYER PLANS

- 1. The authority citation for part 4022 continues to read as follows:

Authority: 29 U.S.C. 1302, 1322, 1322b, 1341(c)(3)(D), and 1344.

- 2. In appendix B to part 4022, Rate Set 274, as set forth below, is added to the table.

Appendix B to Part 4022—Lump Sum Interest Rates for PBGC Payments

* * * * *

Rate set	For plans with a valuation date		Immediate annuity rate (percent)	Deferred annuities (percent)				
	On or after	Before		i_1	i_2	i_3	n_1	n_2
*	*		*	*	*	*	*	*
274	8-1-16	9-1-16	0.50	4.00	4.00	4.00	7	8

- 3. In appendix C to part 4022, Rate Set 274, as set forth below, is added to the table.

Appendix C to Part 4022—Lump Sum Interest Rates for Private-Sector Payments

* * * * *

Rate set	For plans with a valuation date		Immediate annuity rate (percent)	Deferred annuities (percent)				
	On or after	Before		i_1	i_2	i_3	n_1	n_2
*	*		*	*	*	*	*	*
274	8-1-16	9-1-16	0.50	4.00	4.00	4.00	7	8

¹ Appendix B to PBGC's regulation on Allocation of Assets in Single-Employer Plans (29 CFR part 4044) prescribes interest assumptions for valuing

benefits under terminating covered single-employer plans for purposes of allocation of assets under

ERISA section 4044. Those assumptions are updated quarterly.

Issued in Washington, DC, on this 11th day of July 2016.

Judith Starr,

General Counsel, Pension Benefit Guaranty Corporation.

[FR Doc. 2016-16728 Filed 7-14-16; 8:45 am]

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DEPARTMENT OF HOMELAND SECURITY

Coast Guard

33 CFR Part 117

[Docket No. USCG-2016-0635]

Drawbridge Operation Regulation; Lake Washington Ship Canal, Seattle, WA

AGENCY: Coast Guard, DHS.

ACTION: Notice of temporary deviation from drawbridge regulation.

SUMMARY: The Coast Guard has issued a temporary deviation from the operating schedule that governs Seattle Department of Transportation's (SDOT) Fremont Bridge, across the Lake Washington Ship Canal, mile 2.6, at Seattle, WA. The deviation is necessary to accommodate heavy pedestrian and cycling traffic across the bridge during the 'Fun Ride' fundraising event. The deviation allows the bridge to remain in the closed-to-navigation position and need not open to maritime traffic.

DATES: This deviation is effective from 10:30 a.m. to 12:30 p.m. on August 14, 2016.

ADDRESSES: The docket for this deviation, [USCG-2016-0635] is available at <http://www.regulations.gov>. Type the docket number in the "SEARCH" box and click "SEARCH." Click on Open Docket Folder on the line associated with this deviation.

FOR FURTHER INFORMATION CONTACT: If you have questions on this temporary deviation, call or email Mr. Steven Fischer, Bridge Administrator, Thirteenth Coast Guard District; telephone 206-220-7282, email d13-pf-d13bridges@uscg.mil.

SUPPLEMENTARY INFORMATION: Seattle Department of Transportation (SDOT) has requested a temporary deviation from the operating schedule for the Fremont Bridge, mile 2.6, crossing the Lake Washington Ship Canal at Seattle, WA. The deviation is necessary to accommodate heavy pedestrian and cycling traffic across the bridge during the 'Fun Ride' fundraising event. To facilitate this event, the double bascule draw of the bridge will not open for vessel traffic during said date and time.

The Fremont Bridge provides a vertical clearance of 14 feet (31 feet of vertical clearance for the center 36 horizontal feet) in the close-to-navigation position. The clearance is referenced to the mean water elevation of Lake Washington. The normal operating schedule for the Fremont Bridge is 33 CFR 117.1051. Waterway usage on the Lake Washington Ship Canal ranges from commercial tug and barge to small pleasure craft.

Vessels able to pass through the bridge in the closed-to-navigation position may do so at anytime. The bridge will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. The Coast Guard will also inform the users of the waterways through our Local and Broadcast Notices to Mariners of the change in operating schedule for the bridge so that vessels can arrange their transits to minimize any impact caused by the temporary deviation.

In accordance with 33 CFR 117.35(e), the drawbridge must return to its regular operating schedule immediately at the end of the designated time period. This deviation from the operating regulations is authorized under 33 CFR 117.35.

Dated: July 11, 2016.

Steven M. Fischer,

Bridge Administrator, Thirteenth Coast Guard District.

[FR Doc. 2016-16736 Filed 7-14-16; 8:45 am]

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DEPARTMENT OF HOMELAND SECURITY

Coast Guard

33 CFR Part 117

[Docket No. USCG-2016-0632]

Drawbridge Operation Regulation; Mianus River, Greenwich, CT

AGENCY: Coast Guard, DHS.

ACTION: Notice of deviation from drawbridge regulation.

SUMMARY: The Coast Guard has issued a temporary deviation from the operating schedule that governs the Metro-North Bridge across the Mianus River, mile 1.0, at Greenwich, Connecticut. This deviation is necessary to allow the bridge owner to perform superstructure repairs and replace timber ties.

DATES: This deviation is effective from 8 a.m. on September 12, 2016 to 8 a.m. on September 26, 2016.

ADDRESSES: The docket for this deviation, [USCG-2016-0632] is available at <http://www.regulations.gov>.

Type the docket number in the "SEARCH" box and click "SEARCH". Click on Open Docket Folder on the line associated with this deviation.

FOR FURTHER INFORMATION CONTACT: If you have questions about this temporary deviation, call or email Judy Leung-Yee, Project Officer, First Coast Guard District, telephone (212) 514-4330, email judy.k.leung-ye@uscg.mil.

SUPPLEMENTARY INFORMATION: The Metro-North Bridge, mile 1.0, across the Mianus River, has a vertical clearance in the closed position of 20 feet at mean high water and 27 feet at mean low water. The existing bridge operating regulations are found at 33 CFR 117.209.

The waterway is transited by seasonal recreational traffic.

Connecticut DOT, the owner of the bridge, requested a temporary deviation from the normal operating schedule to perform steel repairs and replace timber ties.

Under this temporary deviation, the Metro-North Bridge will operate according to the schedule below:

a. From September 12, 2016 8 a.m. to September 16, 2016 4 a.m. the bridge will not open to marine traffic.

b. From September 16, 2016 4 a.m. to September 19, 2016 8 a.m. the bridge will open fully on signal upon 24 hour advance notice.

c. From September 19, 2016 8 a.m. to September 23, 2016 4 a.m. the bridge will not open to marine traffic.

d. From September 23, 2016 4 a.m. to September 26, 2016 8 a.m. the bridge will open fully on signal upon 24 hour advance notice.

Vessels able to pass under the bridge in the closed position may do so at any time. The bridge will not be able to open for emergencies and there is no immediate alternate route for vessels to pass.

The Coast Guard will inform the users of the waterways through our Local Notice and Broadcast to Mariners of the change in operating schedule for the bridge so that vessel operations can arrange their transits to minimize any impact caused by the temporary deviation.

In accordance with 33 CFR 117.35(e), the drawbridge must return to its regular operating schedule immediately at the end of the effective period of this temporary deviation. This deviation from the operating regulations is authorized under 33 CFR 117.35.

Dated: July 12, 2016.

C.J. Bisignano,

Supervisory Bridge Management Specialist, First Coast Guard District.

[FR Doc. 2016-16775 Filed 7-14-16; 8:45 am]

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