

# Rules and Regulations

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This section of the FEDERAL REGISTER contains regulatory documents having general applicability and legal effect, most of which are keyed to and codified in the Code of Federal Regulations, which is published under 50 titles pursuant to 44 U.S.C. 1510.

The Code of Federal Regulations is sold by the Superintendent of Documents.

## NUCLEAR REGULATORY COMMISSION

### 10 CFR Part 72

[NRC–2022–0105]

RIN 3150–AK84

#### List of Approved Spent Fuel Storage Casks: Holtec International HI–STORM Flood/Wind Multipurpose Canister Storage System, Certificate of Compliance No. 1032, Amendment No. 8

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Direct final rule; confirmation of effective date.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) is confirming the effective date of October 11, 2022, for the direct final rule that was published in the **Federal Register** on July 26, 2022. This direct final rule amends the Holtec International HI–STORM Flood/Wind Multipurpose Canister Storage System in the “List of approved spent fuel storage casks” to include Amendment No. 8 of Certificate of Compliance No. 1032. Amendment No. 8 also incorporates other minor editorial corrections.

**DATES:** The effective date of October 11, 2022, for the direct final rule published July 26, 2022 (87 FR 44273), is confirmed.

**ADDRESSES:** Please refer to Docket ID NRC–2022–0105 when contacting the NRC about the availability of information for this action. You may obtain publicly available information related to this action by any of the following methods:

- **Federal Rulemaking Website:** Go to <https://www.regulations.gov> and search for Docket ID NRC–2022–0105. Address questions about NRC dockets to Dawn Forder; telephone: 301–415–3407; email: [Dawn.Forder@nrc.gov](mailto:Dawn.Forder@nrc.gov). For technical questions, contact the individual listed in the **FOR FURTHER**

**INFORMATION CONTACT** section of this document.

- **NRC’s Agencywide Documents Access and Management System (ADAMS):** You may obtain publicly available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “Begin Web-based ADAMS Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1–800–397–4209, 301–415–4737, or by email to [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov). The amendment to the certificate of compliance, the changes to the technical specifications, and the safety evaluation report can be viewed in ADAMS under Accession No. ML22242A214.

- **NRC’s PDR:** You may examine and purchase copies of public documents, by appointment, at the NRC’s PDR, Room P1 B35, One White Flint North, 11555 Rockville Pike, Maryland 20852. To make an appointment to visit the PDR, please send an email to [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov) or call 1–800–397–4209 or 301–415–4737, between 8:00 a.m. and 4:00 p.m. eastern time (ET), Monday through Friday, except Federal holidays.

**FOR FURTHER INFORMATION CONTACT:** James Firth, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission; telephone: 301–415–6628; email: [James.Firth@nrc.gov](mailto:James.Firth@nrc.gov).

**SUPPLEMENTARY INFORMATION:** On July 26, 2022 (87 FR 44273), the NRC published a direct final rule amending its regulations in part 72 of title 10 of the *Code of Federal Regulations* to revise the Holtec International HI–STORM Flood/Wind Multipurpose Canister Storage System listing within the “List of approved spent fuel storage casks” to include Amendment No. 8 to Certificate of Compliance No. 1032. Amendment No. 8 revises the description in the certificate of compliance for the HI–STORM Flood/Wind system to clearly indicate that only the portions of the components that contact the pool water need to be made of stainless steel or aluminum. Amendment No. 8 also incorporates other minor editorial corrections.

In the direct final rule published on July 26, 2022, the NRC stated that if no significant adverse comments were received, the direct final rule would

become effective on October 11, 2022. The NRC did not receive any comments on the direct final rule. Therefore, this direct final rule will become effective as scheduled.

Dated: September 15, 2022.

For the Nuclear Regulatory Commission.

**Cindy K. Bladley,**

*Chief, Regulatory Analysis and Rulemaking Support Branch, Division of Rulemaking, Environmental, and Financial Support Office of Nuclear Material Safety and Safeguards.*

[FR Doc. 2022–20349 Filed 9–20–22; 8:45 am]

**BILLING CODE 7590–01–P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 25

[Docket No. FAA–2022–1198; Special Conditions No. 25–831–SC]

#### Special Conditions: L2 Consulting Services, Inc., Bombardier Model CL–600–2B16 (604 Variant) Airplane; Electronic System Security Protection From Unauthorized Internal Access

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final special conditions; request for comments.

**SUMMARY:** These special conditions are issued for the Bombardier Model CL–600–2B16 (604 variant) airplane. This airplane, as modified by L2 Consulting Services, Inc., will have a novel or unusual design feature when compared to the state of technology envisioned in the airworthiness standards for transport-category airplanes. This design feature is associated with the installation of a digital system that contains a wireless and hardwired network with hosted application functionality that allows access, from sources internal to the airplane, to the airplane’s internal electronic components. The applicable airworthiness regulations do not contain adequate or appropriate safety standards for this design feature. These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards.

**DATES:** This action is effective on L2 Consulting Services, Inc., on September 21, 2022. Send comments on or before November 7, 2022.

**ADDRESSES:** Send comments identified by Docket No. FAA-2022-1198 using any of the following methods:

- **Federal eRegulations Portal:** Go to <https://www.regulations.gov/> and follow the online instructions for sending your comments electronically.

- **Mail:** Send comments to Docket Operations, M-30, U.S. Department of Transportation (DOT), 1200 New Jersey Avenue SE, Room W12-140, West Building Ground Floor, Washington, DC 20590-0001.

- **Hand Delivery or Courier:** Take comments to Docket Operations in Room W12-140 of the West Building Ground Floor at 1200 New Jersey Avenue SE, Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

- **Fax:** Fax comments to Docket Operations at 202-493-2251.

**Privacy:** Except for Confidential Business Information (CBI) as described in the following paragraph, and other information as described in title 14, Code of Federal Regulations (14 CFR), § 11.35, the FAA will post all comments received without change to <https://www.regulations.gov/>, including any personal information you provide. The FAA will also post a report summarizing each substantive verbal contact received about these special conditions.

**Confidential Business Information:** Confidential Business Information (CBI) is commercial or financial information that is both customarily and actually treated as private by its owner. Under the Freedom of Information Act (FOIA) (5 U.S.C. 552), CBI is exempt from public disclosure. If your comments responsive to these special conditions contain commercial or financial information that is customarily treated as private, that you actually treat as private, and that is relevant or responsive to these special conditions, it is important that you clearly designate the submitted comments as CBI. Please mark each page of your submission containing CBI as "PROPIN." The FAA will treat such marked submissions as confidential under the FOIA, and the indicated comments will not be placed in the public docket of these special conditions. Send submissions containing CBI to Thuan T. Nguyen, Aircraft Information Systems, AIR-622, Technical Innovation Policy Branch, Policy and Innovation Division, Aircraft Certification Service, Federal Aviation Administration, 2200 South 216th

Street, Des Moines, Washington 98198; telephone; 206-231-3365; email [Thuan.T.Nguyen@faa.gov](mailto:Thuan.T.Nguyen@faa.gov). Comments the FAA receives, which are not specifically designated as CBI, will be placed in the public docket for these special conditions.

**Docket:** Background documents or comments received may be read at <https://www.regulations.gov/> at any time. Follow the online instructions for accessing the docket or go to Docket Operations in Room W12-140 of the West Building Ground Floor at 1200 New Jersey Avenue SE, Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

#### **FOR FURTHER INFORMATION CONTACT:**

Thuan T. Nguyen, Aircraft Information Systems, AIR-622, Technical Innovation Policy Branch, Policy and Innovation Division, Aircraft Certification Service, Federal Aviation Administration, 2200 South 216th Street, Des Moines, Washington 98198; telephone; 206-231-3365; email [Thuan.T.Nguyen@faa.gov](mailto:Thuan.T.Nguyen@faa.gov).

**SUPPLEMENTARY INFORMATION:** The substance of these special conditions has been published in the **Federal Register** for public comment in several prior instances with no substantive comments received. Therefore, the FAA finds, pursuant to 14 CFR 11.38(b), that new comments are unlikely, and notice and comment prior to this publication are unnecessary.

#### **Comments Invited**

The FAA invites interested people to take part in this rulemaking by sending written comments, data, or views. The most helpful comments reference a specific portion of the special conditions, explain the reason for any recommended change, and include supporting data.

The FAA will consider all comments received by the closing date for comments. The FAA may change these special conditions based on the comments received.

#### **Background**

On March 17th, 2022, L2 Consulting Services, Inc., applied for a supplemental type certificate for the installation of a digital system that contains a wireless and hardwired network with hosted application functionality that allows access, from sources internal to the airplane, to the airplane's internal electronic components. The Bombardier Model CL-600-2B16 (604 variant) airplane is a twin-engine business jet with a maximum takeoff weight of 47,600 pounds (21,591 Kg) and a maximum

seating capacity of twenty passengers and two crew members.

#### **Type Certification Basis**

Under the provisions of title 14, Code of Federal Regulations (14 CFR), § 21.101, L2 Consulting Services Inc., must show that the Bombardier Model CL-600-2B16 (604 variant) airplane, as changed, continues to meet the applicable provisions of the regulations listed in Type Certificate No. A21EA, or the applicable regulations in effect on the date of application for the change, except for earlier amendments as agreed upon by the FAA.

If the Administrator finds that the applicable airworthiness regulations (e.g., 14 CFR part 25) do not contain adequate or appropriate safety standards for the Bombardier Model CL-600-2B16 (604 variant) airplane, because of a novel or unusual design feature, special conditions are prescribed under the provisions of § 21.16.

Special conditions are initially applicable to the model for which they are issued. Should the applicant apply for a supplemental type certificate to modify any other model included on the same type certificate to incorporate the same novel or unusual design feature, these special conditions would also apply to the other model under § 21.101.

In addition to the applicable airworthiness regulations and special conditions, the Bombardier Model CL-600-2B16 (604 variant) airplane must comply with the fuel-vent and exhaust-emission requirements of 14 CFR part 34, and the noise-certification requirements of 14 CFR part 36.

The FAA issues special conditions, as defined in 14 CFR 11.19, in accordance with § 11.38, and they become part of the type certification basis under § 21.101.

#### **Novel or Unusual Design Feature**

The Bombardier Model CL-600-2B16 (604 variant) airplane will incorporate the following novel or unusual design feature, which is the installation of a digital system that contains a wireless and hardwired network with hosted application functionality that allows access, from sources internal to the airplane, to the airplane's internal electronic components.

#### **Discussion**

The Bombardier Model CL-600-2B16 (604 variant) airplane electronic system architecture and network configuration change is novel or unusual for commercial transport airplanes because it is composed of several connected wireless and hardwired networks. This proposed system and network

architecture is used for a diverse set of airplane functions, including:

- flight-safety related control and navigation systems,
- airline business and administrative support, and
- passenger entertainment.

The airplane's control domain and airline information services domain of these networks perform functions required for the safe operation and maintenance of the airplane. Previously, these domains had very limited connectivity with other network sources. This network architecture creates a potential for unauthorized persons to access the aircraft control domain and airline information services domain from sources internal to the airplane, and presents security vulnerabilities related to the introduction of computer viruses and worms, user errors, and intentional sabotage of airplane electronic assets (networks, systems, and databases) critical to the safety and maintenance of the airplane.

The existing FAA regulations did not anticipate these networked airplane-system architectures. Furthermore, these regulations and the current guidance material do not address potential security vulnerabilities, which could be exploited by unauthorized access to airplane networks, data buses, and servers. Therefore, these special conditions ensure that the security (*i.e.*, confidentiality, integrity, and availability) of airplane systems will not be compromised by unauthorized hardwired or wireless electronic connections from within the airplane. These special conditions also require the applicant to provide appropriate instructions to the operator to maintain all electronic-system safeguards that have been implemented as part of the original network design so that this feature does not allow or reintroduce security threats.

These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards.

#### Applicability

As discussed above, these special conditions are applicable to the Bombardier Model CL-600-2B16 (604 variant) airplane. Should L2 Consulting Services, Inc., apply at a later date for a supplemental type certificate to modify any other model included on Type Certificate No. A21EA to incorporate 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 the Bombardier Model CL-600-2B16 (604 variant) airplane. It is not a rule of general applicability and affects only the applicant who applied to the FAA for approval of this feature on the airplane.

#### List of Subjects in 14 CFR Part 25

Aircraft, Aviation safety, Reporting and recordkeeping requirements.

#### Authority Citation

The authority citation for these special conditions is as follows:

**Authority:** 49 U.S.C. 106(f), 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 the Bombardier Model CL-600-2B16 (604 variant) airplane for airplane electronic-system internal access.

1. The applicant must ensure that the 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, and other assets required for safe flight and operations.

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

Issued in Kansas City, Missouri, on September 15, 2022.

**Patrick R. Mullen,**

*Manager, Technical Innovation Policy Branch  
Policy and Innovation Division, Aircraft  
Certification Service.*

[FR Doc. 2022-20392 Filed 9-20-22; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 25

[Docket No. FAA-2022-1197; Special Conditions No. 25-830-SC]

#### Special Conditions: L2 Consulting Services, Inc., Bombardier Model CL-600-2B16 (604 Variant) Airplane; Electronic System Security Protection From Unauthorized External Access

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final special conditions; request for comments.

**SUMMARY:** These special conditions are issued for the Bombardier Model CL-600-2B16 (604 variant) airplane. This airplane, as modified by L2 Consulting Services, Inc., will have a novel or unusual design feature when compared to the state of technology envisioned in the airworthiness standards for airplanes. This design feature is associated with the installation of an electronic network system architecture that will allow increased connectivity to and access from external network sources, (*e.g.*, operator networks, wireless devices, internet connectivity, service provider satellite communications, electronic flight bags, etc.) to the airplane's previously isolated electronic assets (networks, systems, and databases). The applicable airworthiness regulations do not contain adequate or appropriate safety standards for this design feature. These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards.

**DATES:** This action is effective on L2 Consulting Services, Inc., on September 21, 2022. Send comments on or before November 7, 2022.

**ADDRESSES:** Send comments identified by Docket No. FAA-2022-1197 using any of the following methods:

- **Federal eRegulations Portal:** Go to <https://www.regulations.gov/> and follow the online instructions for sending your comments electronically.

- **Mail:** Send comments to Docket Operations, M-30, U.S. Department of Transportation (DOT), 1200 New Jersey Avenue SE, Room W12-140, West Building Ground Floor, Washington, DC 20590-0001.

- **Hand Delivery or Courier:** Take comments to Docket Operations in Room W12-140 of the West Building Ground Floor at 1200 New Jersey