



September 16, 2025

Mr. Dan Szubra  
Technical Subcommittee Chair  
Z21/CSA Joint Technical Subcommittee on Standards for Outdoor Cooking and  
Illuminating Gas Appliances  
[dszubra@channelproducts.com](mailto:dszubra@channelproducts.com)

Dear Mr. Szubra:

The U.S. Consumer Product Safety Commission (CPSC) staff<sup>1</sup> is writing to express support for the recent inclusion of new provisions for smart-enabled outdoor cooking gas appliances in Annex B of CSA/ANSI Z21.58:22.

To evaluate the safety of the smart-enabled outdoor gas cooking appliances, CPSC staff conducted incident data analysis focusing on outdoor cooking appliances equipped with smart-enabled features, such as remote monitoring and operation, beginning with a search of CPSC incident data over the past seven and a half years<sup>2</sup>. CPSC identified 35 incidents that specifically involved smart-enabled outdoor cooking appliances. Staff found that three incidents involved outdoor cooking gas appliances, but none of those incidents were related to the smart-enabled feature. CPSC staff identified four incidents involving outdoor smart-enabled, solid-fuel cooking appliances, which share similar functions and operational characteristics with outdoor cooking gas appliances. In each of these four incidents, the cooking appliances were unintentionally activated, necessitating consumers to turn them off manually.

The potential for similar issues exists in gas cooking appliances due to the analogous smart-enabled features present in those appliances. Consequently, CPSC staff fully supports the inclusion of requirements for smart-enabled outdoor cooking gas appliances

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<sup>1</sup> This letter was prepared by CPSC staff and has not been reviewed or approved by, and may not necessarily reflect the views of, the Commission.

<sup>2</sup> CPSC staff searched the Consumer Product Safety Risk Management System for incident reports received between 1/1/2018 and 6/24/2025 and associated with product codes 3248 (gas or LP grills), 3249 (grills, not specified), and 3233 (pellet grills). CPSC staff then filtered results based on the following keywords: “smart”, “phone”, “tablet”, “app”, “wifi”, “wireless”, “remote”, “software”, “firmware”, “connect”, “konnnect”, “IoT”, “internet”, “cloud”, “hack”, “update”, “glitch”, and various trademarked terms indicating wireless connections, including names of mobile devices, mobile operating systems, and digital assistants. Finally, staff reviewed each incident product and narrative, finding 35 incidents involving smart-enabled outdoor cooking appliances.



United States  
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in CSA/ANSI Z21.58. These requirements could improve the safety and reliability of these appliances. Specifically, CPSC staff advocates for provisions that prohibit the remote initiation of gas flow and ignition, which could result in gas leaks or fires. CPSC staff recommends that these safety measures be adopted as standard requirements for outdoor cooking gas appliances as soon as possible.

For additional information on the incident data analysis, please contact me at [ykim@cpsc.gov](mailto:ykim@cpsc.gov) or my colleague Scott Ayers at [sayers@cpsc.gov](mailto:sayers@cpsc.gov).

Sincerely,

Yeon Seok Kim  
General Engineer  
Directorate for Engineering Sciences  
U.S. Consumer Product Safety Commission

CC:

Scott Ayers – CPSC Fire Program Manager  
Jacqueline Campbell – CPSC Voluntary Standards Coordinator  
Nick Shrewsbury-Gee – CSA Project Manager