American National Standard—
Cybersecurity Requirements for
Lighting Systems—Parking Lots

Secretariat: National Electrical Manufacturers Association

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# CONTENTS

1. Introduction ............................................................................................................................................ 1  
2. Scope .................................................................................................................................................... 1  
3. Normative References .......................................................................................................................... 1  
4. Definitions .............................................................................................................................................. 2  
   800-82 rev 2 .......................................................................................................................................... 3  
6. Parking Lot Connected Lighting System ............................................................................................... 5  
7. Overall Parking Lot Lighting System Risk Management ....................................................................... 7  
6. Risk Management Framework Steps ................................................................................................ 9  
   8.1. Access Control ................................................................................................................................ 14  
   8.2. Awareness and Training ................................................................................................................. 15  
   8.3. Audit and Accountability .................................................................................................................. 15  
   8.4. Security Assessment and Authorization ......................................................................................... 15  
   8.5. Configuration Management ............................................................................................................. 16  
   8.6. Contingency Planning ..................................................................................................................... 16  
   8.7. Identification and Authentication ..................................................................................................... 17  
   8.8. Incident Response .......................................................................................................................... 17  
   8.9. Maintenance .................................................................................................................................... 18  
   8.10. Media Protection ............................................................................................................................ 18  
   8.11. Physical and Environmental Protection ......................................................................................... 18  
   8.12. Planning ...................................................................................................................................... 19  
   8.13. Personnel Security ....................................................................................................................... 19  
6. Risk Assessment ................................................................................................................................. 19  
   8.14. Systems and Services Acquisition ............................................................................................... 20  
   8.15. Systems and Communication Protection ....................................................................................... 21  
6. System and Information Integrity ....................................................................................................... 21  
   8.17. Program Management .................................................................................................................. 21  
9. Parking Lot Lighting System Cybersecurity Integration ...................................................................... 22  

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Foreword

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Parking Lot Cybersecurity

1. Introduction
Many commercial organizations operate a parking lot which is incidental to their core business operations. Typically this type of organization does not have an IT department developing its property tools; they tend to be fully dependent on off-the-shelf solutions and third-party providers. Cybersecurity risk of harm may involve at least two main scenarios: unauthorized access to the organization network and data, and unauthorized access to customers or others visiting the organization (either in person or remotely). This document addresses a recommended cybersecurity practice for the parking lot lighting systems setup. It is recognized that this type of environment has the need to share IT resources with other tasks and functions, to use off-the-shelf solutions, and to outsource IT services. Cybersecurity protection and mitigation measurements can be shared with other activities and functions.

2. Scope
The intent of this document is to provide cybersecurity requirements for Lighting Systems used in parking lots with public access. This Standard provides specifications for the protection of signals and data to, from and within the lighting system, potentially including those that may initiate, control or monitor non-lighting functions. This Standard is not intended to address parking lots with enhanced security requirements, such as critical infrastructure sectors. This Standard does not apply to safety-related cybersecurity.