



Akron-Canton Airport

Part 150 Update

2014 and 2019 Noise Exposure Maps and Revised Noise Compatibility Program

Draft – October 2014



Prepared for:
Akron-Canton Airport Authority



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Akron-Canton Airport

Part 150 Update

2014 and 2019 NOISE EXPOSURE MAPS and REVISED NOISE COMPATIBILITY PROGRAM

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Prepared for:

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CERTIFICATION

This is to certify the following:

- (1) The revised Noise Exposure Maps, and associated documentation for Akron-Canton Airport submitted in this volume to the Federal Aviation Administration under Federal Aviation Regulations Part 150, Subpart B, Section 150.21, are true and complete.
- (2) Pursuant to Part 150, Subpart B, Section 150.21(b), all interested parties have been afforded adequate opportunity to submit their views, data, and comments concerning the correctness and adequacy of the draft Noise Exposure Maps, and of the descriptions of forecast aircraft operations.
- (3) The “2014 Noise Exposure Map with the Existing Noise Compatibility Program” (Figure 36 on page 95) accurately represents existing conditions for calendar year 2014.
- (4) The “2019 Noise Exposure Map with the Existing Noise Compatibility Program” (Figure 37 on page 97) accurately represents five-year forecast conditions for calendar year 2019.
- (5) Figure 65 on page 221 accurately represents the “2014 Noise Exposure Map with Revised Noise Compatibility Program,” reflecting existing conditions if the FAA approves the recommended Noise Compatibility Program revisions.
- (6) Figure 66 on page 223 accurately represents the “2019 Noise Exposure Map with Revised Noise Compatibility Program,” reflecting five-year forecast conditions if the FAA approves the recommended Noise Compatibility Program revisions.

By: _____

Title: _____

Date: _____

Airport Name: Akron-Canton Airport
 Airport Owner/Operator: Akron-Canton Airport Authority
 Address: 5400 Lauby Rd #9
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LIST OF ACRONYMS USED IN THIS REPORT

| Acronym | Full Definition | First Reference or Definition in Document |
|-----------|---|---|
| AEM | Area Equivalent Method | Section 9.7 |
| ATCT | [Federal Aviation Administration] Airport Traffic Control Tower | Section 1.2.2 |
| ADO | [Federal Aviation Administration] Airports District Office | Section 1.2.2 |
| ANSI | American National Standards Institute | Section 2.2.2 |
| CAK | Akron-Canton Airport | Section 1 |
| CFR | Code of Federal Regulations | Section 1 |
| CHA | CHA Consulting, Inc. (formerly RW Armstrong, Inc.) | Section 1 |
| dB | Decibel | Section 2.1 |
| dBA | A-Weighted Decibel | Section 2.1 |
| DNL | Day Night Average Sound Level (also L_{dn} , as noted below) | Section 2.1 |
| EA | Environmental Assessment | Section 5 |
| FAA | Federal Aviation Administration | Section 1 |
| FAR | Federal Aviation Regulation | Section 1 |
| FICAN | Federal Interagency Committee on Aircraft Noise | Section 2.2.2 |
| FICON | Federal Interagency Committee on Noise | Section 2.2.3 |
| HMMH | Harris Miller Miller & Hanson Inc. | Section 1 |
| L_{eq} | Equivalent Sound Level | Section 2.1 |
| L_{dn} | Day Night Average Sound Level (also DNL, as noted above) | Section 2.1 |
| L_{max} | Maximum A-Weighted Sound Level | Section 2.1 |
| MSL | Mean Sea Level | Section 4.4 |
| NCP | (Part 150) Noise Compatibility Program | Section 1 |
| NEM | (Part 150) Noise Exposure Map | Section 1 |
| OANG | Ohio Army National Guard | Section 1.2.2 |
| PAPI | Precision Approach Path Indicator (lights) | Section 4.4 |
| Part 150 | 14 CFR (FAR) Part 150, "Airport Noise Compatibility Planning" | Section 1.1 |
| PASSUR | Passur Aerospace (source of flight track and operations data) | Section 3.2.1 |
| ROA | Record of Approval (for a Part 160 Noise Compatibility Program) | Section 1 |
| RWA | RW Armstrong, Inc. (now CHA Consulting, Inc.) | Section 1 |
| SEL | Sound Exposure Level | Section 2.1 |

Note: This table lists acronyms only if they appear without accompanying definitions.