

**DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS**

**DIRECTOR'S OFFICE**

**GENERAL INDUSTRY SAFETY STANDARDS**

(By authority conferred on the director of the department of licensing and regulatory affairs by sections 16 and 21 of 1974 PA 154, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030)

**PART 86. ELECTRIC POWER GENERATION, TRANSMISSION, AND DISTRIBUTION**

**R 408.18601 Scope.**

Rule 8601. These rules establish the work practices to be used during the operation and maintenance of electrical power generation, transmission, and distribution facilities. These rules apply to all of the following:

- (a) Enclosed spaces.
- (b) Hazardous energy control.
- (c) Working near energized parts.
- (d) Grounding for employee protection.
- (e) Underground and overhead installations.
- (f) Line clearance tree trimming.
- (g) Substations and generating plants.
- (h) Other conditions and equipment unique to the generation, transmission, and distribution of electric energy.

History: 1995 AACCS.

**R 408.18602 Adoption of federal standard.**

Rule 8602. (1) The provisions of 29 C.F.R. §1910.269, “Electric Power Generation, Transmission, and Distribution” and appendices, except as amended in this rule, are adopted by reference in these rules.

(2) A reference to C.F.R. §1910.5 “Applicability of standards,” means Michigan Occupational Safety and Health Act (MIOSHA) 1974 PA 154, MCL 408.1001 to 408.1094

(3) A reference to C.F.R. §1910.12 “Construction work,” means Michigan Occupational Safety and Health Act (MIOSHA) 1974 PA 154, MCL 408.1001 to 408.1094.

(4) A reference to C.F.R. §1910.25 “Portable wood ladders,” means General Industry Safety Standard Part 4 “Portable Ladders,” as referenced in R 408.18605.

(5) A reference to C.F.R. §1910.26 “Portable metal ladders,” means General Industry Safety Standard Part 4 “Portable Ladders,” as referenced in R 408.18605.

(6) A reference to C.F.R. §1910.67 “Vehicle-mounted elevating and rotating work platforms,” means General Industry Safety Standard Part 58 “Aerial Work Platforms,” as referenced in R 408.18605.

(7) A reference to C.F.R. §1910.97 “Nonionizing radiation,” means Occupational Health Standard Part 382 “Nonionizing Radiation,” as referenced in R 408.18605.

(8) A reference to C.F.R. §1910.135 “Head protection,” means General Industry Safety Standard Part 33 “Personal Protective Equipment,” as referenced in R 408.18605.

(9) A reference to C.F.R. §1910.141 “Sanitation,” means Occupational Health Standard Part 474 “Sanitation,” as referenced in R 408.18605.

(10) A reference to C.F.R. §1910.145 “Specifications for accident prevention signs and tags,” means General Industry Safety Standard Part 37 “Accident Prevention Signs and Tags,” as referenced in R 408.18605.

(11) A reference to C.F.R. §1910.146 “Permit-required confined space,” means General Industry Safety Standard Part 90 “Permit-Required Confined Spaces,” as referenced in R 408.18605.

(12) A reference to C.F.R. §1910.147 “Control of hazardous energy - lockout,” means General Industry Safety Standard Part 85 “The Control of Hazardous Energy Sources,” as referenced in R 408.18605.

(13) A reference to C.F.R. §1910.151 “Medical services and first aid,” means Occupational Health Standard Part 472 “Medical Services and First Aid,” as referenced in R 408.18605.

(14) A reference to C.F.R. §1910.243 “Guarding of portable powered tools,” means General Industry Safety Standard Part 38 “Hand and Portable Powered Tools,” as referenced in R 408.18605.

(15) A reference to C.F.R. §1910.266 “Logging operations,” means General Industry Safety Standard Part 51 “Logging,” as referenced in R 408.18605.

(16) A reference to C.F.R. §1910.302 “Electric utilization systems,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.

(17) A reference to C.F.R. §1910.303 “General,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.

(18) A reference to C.F.R. §1910.304 “Wiring design and protection,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.

(19) A reference to C.F.R. §1910.305 “Wiring methods, components, and equipment for general use,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.

(20) A reference to C.F.R. §1910.306 “Specific purpose equipment and installations,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.

(21) A reference to C.F.R. §1910.307 “Hazardous (classified) locations,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.

(22) A reference to C.F.R. §1910.308 “Special systems,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.

(23) A reference to C.F.R. §1910.331 “Scope,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.

(24) A reference to C.F.R. §1910.332 “Training,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.

(25) A reference to C.F.R. §1910.333 “Selection and use of work practices,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.

(26) A reference to C.F.R. §1910.334 “Use of equipment,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.

(27) A reference to C.F.R. §1910.335 “Safeguards for personnel protection,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.

(28) A reference to C.F.R. §1910.1200 “Hazard Communication,” means General Industry Safety Standard Part 92 “Hazard Communication,” and Occupational Health Standard Part 430 “Hazard Communication,” as referenced in R 408.18605.

(29) A reference to C.F.R. Part 1910 Subpart D, “Walking – Working Surfaces,” means all of the following MIOSHA standards:

(a) General Industry Safety Standard Part 2 “Floor and Wall Openings, Stairways, and Skylights,” as referenced in R 408.18605.

(b) General Industry Safety Standard Part 3 “Fixed Ladders,” as referenced in R 408.18605.

(c) General Industry Safety Standard Part 4 “Portable Ladders,” as referenced in R 408.18605.

(d) General Industry Safety Standard Part 5 “Scaffolding,” as referenced in R 408.18605.

(30) A reference to C.F.R. Part 1910 Subpart I, “Personal Protective Equipment,” means General Industry Safety Standard Part 33 “Personal Protective Equipment,” as referenced in R 408.18605.

(31) A reference to C.F.R. Part 1910 Subpart G, “Occupational Health and Environmental Control,” means all of the following MIOSHA standards:

(a) Occupational Health Standard Part 380 “Occupational Noise Exposure in General Industry,” as referenced in R 408.18605.

(b) Occupational Health Standard Part 382 “Nonionizing Radiation,” as referenced in R 408.18605.

(c) Occupational Health Standard Part 520 “Ventilation Control,” as referenced in R 408.18605.

(32) A reference to C.F.R. Part 1910 Subpart N, “Materials Handling and Storage,” means all of the following MIOSHA standards:

(a) General Industry Safety Standard Part 1 “General Provisions,” as referenced in R 408.18605.

(b) General Industry Safety Standard Part 13 “Derricks,” as referenced in

R 408.18605.

(c) General Industry Safety Standard Part 18 “Overhead and Gantry Cranes,” as referenced in R 408.18605.

(d) General Industry Safety Standard Part 19 “Crawler, Locomotive and Truck Cranes,” as referenced in R 408.18605.

(e) General Industry Safety Standard Part 20 “Underhung Cranes and Monorail Systems,” as referenced in R 408.18605.

(f) General Industry Safety Standard Part 21 “Powered Industrial Trucks,” as referenced in R 408.18605.

(g) General Industry Safety Standard Part 49 “Slings,” as referenced in R 408.18605.

(h) General Industry Safety Standard Part 59 “Helicopters,” as referenced in R 408.18605.

(i) General Industry Safety Standard Part 72 “Automotive Service Operations,” as referenced in R 408.18605.

(33) A reference to C.F.R. Part 1910 Subpart S, “Electrical,” means both of the following MIOSHA standards:

(a) General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.

(b) General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.

(34) A reference to C.F.R. Part 1910 Subpart Z “Toxic and Hazardous Substances,” means Occupational Health Standard Part 301 “Air Contaminants for General Industry,” as referenced in R 408.18605.

(35) A reference to C.F.R. §1926.54 “Nonionizing radiation,” means Occupational Health Standard Part 681 “Radiation of Construction: Ionizing and Nonionizing,” as referenced in R 408.18605.

(36) A reference to C.F.R. §1926.100 “Head protection,” means Construction Safety Standard Part 6 “Personal Protective Equipment,” as referenced in R 408.18605.

(37) A reference to C.F.R. §1926.200 “Accident prevention signs and tags,” means Construction Safety Standard Part 22 “Signals, Signs, Tags, and Barricades,” as referenced in R 408.18605.

(38) A reference to C.F.R. §1926.502 “Fall protection systems criteria and practices,” means Construction Safety Standard Part 45 “Fall Protection,” as referenced in R 408.18605.

(39) A reference to C.F.R. §1926.960 “Definitions applicable to Subpart V Power Transmission and Distribution,” means Construction Safety Standard Part 16 “Power Transmission and Distribution,” as referenced in R 408.18605.

(40) A reference to C.F.R. Part 1926 Subpart M “**Fall Protection**,” means Construction Safety Standard Part 45 “Fall Protection,” as referenced in R 408.18605.

(41) A reference to C.F.R. Part 1926 Subpart P “**Excavations**,” means Construction Safety Standard Part 9 “Excavation, Trenching, and Shoring,” as referenced in R 408.18605.

(42) A reference to C.F.R. Part 1926 Subpart W “**Rollover Protective Structures; Overhead Protection**,” means Construction Safety Standard Part 13 “Mobile Equipment,” as referenced in R 408.18605.

History: 1995 AACCS; 1997 AACCS; 2015 AACCS.

**R 408.18605 Adopted and referenced standards.**

Rule 8605. (1) The provisions of 29 C.F.R. §1910.269 “Electric Power Generation, Transmission, and Distribution” as revised April 11, 2014, are adopted by reference in these rules, except as noted in R 408.18602. This standard is available from the United States Department of Labor, Occupational Safety and Health Administration website: [www.osha.gov](http://www.osha.gov), at no charge as of the time of adoption of these rules.

(2) The standard adopted in these rules is available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, Lansing, Michigan, 48909-8143.

(3) Copies of the standard adopted in these rules may be obtained from the publisher or may be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

(4) The Michigan occupational safety and health standards (MIOSHA) referenced in these rules are available at up to 5 copies of these standards at no charge from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, MI, 48909-8143 or via the internet at website: [www.michigan.gov/miohastandards](http://www.michigan.gov/miohastandards). For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(5) The following MIOSHA construction safety standards (CS) are referenced in these rules:

- (a) CS Part 6 “Personal Protective Equipment,” R 408.40601 to R 408.40641.
- (b) CS Part 9 “Excavation, Trenching, and Shoring,” R 408.40901 to R 408.40953.
- (c) CS Part 13 “Mobile Equipment,” R 408.41301.
- (d) CS Part 16 “Power Transmission and Distribution,” R 408.41601 to R 408.41658.
- (e) CS Part 22 “Signals, Signs, Tags, and Barricades,” R 408.42201 to R 408.42243.
- (f) CS Part 45 “Fall Protection,” R 408.44501 to R 408.44502.

(6) The following MIOSHA general industry safety standards (GI) are referenced in these rules:

- (a) GI Part 1 “General Provisions,” R 408.10001 to R 408.10098.
- (b) GI Part 2 “Floor and Wall Openings Stairways and Skylights,” R 408.10201 to R 408.10241.
- (c) GI Part 3 “Fixed Ladders,” R 408.10301 to R 408.10372.
- (d) GI Part 4 “Portable Ladders,” R 408.10401 to R 408.10456.
- (e) GI Part 5 “Scaffolding,” R 408.10501 to R 408.10592.
- (f) GI Part 13 “Derricks,” R 408.11301.
- (g) GI Part 18 “Overhead and Gantry Cranes,” R 408.11801 to R 408.11875.
- (h) GI Part 19 “Crawler, Locomotive and Truck Cranes,” R 408.11901 to R 408.11972.
- (i) GI Part 20 “Underhung Cranes and Monorail Systems,” R 408.12001 to R 408.12045.
- (j) GI Part 21 “Powered Industrial Trucks,” R 408.12101 to R 408.12193.
- (k) GI Part 33 “Personal Protective Equipment,” R 408.13301 to R 408.13398.
- (l) GI Part 37 “Accident Prevention Signs and Tags,” R 408.13701 to R 408.13736.

- (m) GI Part 38 “Hand and Portable Powered Tools,” R 408.13801 to R 408.13882.
- (n) GI Part 39 “Design Safety Standards for Electrical Systems,” R 408.13901 to R 408.13902.
- (o) GI Part 40 “Electrical Safety-Related Work Practices,” R 408.14001 to R 408.14009.
- (p) GI Part 49 “Slings,” R 408.14901 to R 408.14965.
- (q) GI Part 51 “Logging,” R 408.15101 to R 408.15181.
- (r) GI Part 58 “Aerial Work Platforms,” R 408.15801 to R 408.15842.
- (s) GI Part 59 “Helicopters,” R 408.15901 to R 408.15931.
- (t) GI Part 72 “Automotive Service Operations,” R 408.17201 to R 408.17253.
- (u) GI Part 85 “The Control of Hazardous Energy Sources,” R 408.18501 to R 408.18599.
- (v) GI Part 90 “Permit-Required Confined Spaces,” R 408.19001 to R 408.19002.
- (w) GI Part 92 “Hazard Communication,” R 408.19201 to R 408.19204.
- (7) The following MIOSHA occupational health standards (OH) are referenced in these rules:
  - (a) OH Part 301 “Air Contaminants for General Industry,” R 325.51101 to R 325.51108.
  - (b) OH Part 380 “Occupational Noise Exposure in General Industry,” R 325.60101 to R 325.60128.
  - (c) OH Part 382 “Nonionizing Radiation,” R 325.60701 to R 325.60704.
  - (d) OH Part 430 “Hazard Communication,” R 325.77001 to R 325.77004.
  - (e) OH Part 472 “Medical Services and First Aid,” R 325.47201.
  - (f) OH Part 474 “Sanitation,” R 325.47401 to R 325.47427.
  - (g) OH Part 520 “Ventilation Control,” R 325.52001 to R 325.52012.
  - (h) OH Part 681 “Radiation of Construction: Ionizing and Nonionizing,” R 325.68101 to R 325.68102.
- (8) The appendices to these rules are informational only and are not intended to create any additional obligations or requirements not otherwise imposed by these rules or to detract from any established obligations or requirements.

History: 2015 AACCS.