

**DIVISION OF FACILITIES DEVELOPMENT AND MANAGEMENT
MASTER SPECIFICATIONS/DESIGN GUIDELINES
DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

REVISION HISTORY

(Updated 03/01/21)

The following is provided as an aid to designers and contractors in understanding changes to DFD Master Specifications and Design Guidelines. Dates as indicated are the publication dates of the particular section as indicated in the specification document itself. Miscellaneous grammatical and spelling corrections are not listed.

SECTION 28 05 37 - EMERGENCY RESPONDER RADIO COVERAGE SYSTEM

03/01/21

(Replaces Section 27 53 19 - INTERNAL DISTRIBUTED ANTENNA SYSTEMS. Changes based on comparison to that section.)

- Removed content and references relating to Cellular Telephone Coverage.
- Updated SCOPE to clarify section focus on Emergency Responder Radio Coverage.
- Updates REGULATORY AND STANDARDS REFERENCES to include “NFPA 1221 – Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems”.
- Added editing instructions re: Emergency Responder radio “Supported frequencies” and “Assumed Municipal Radio Repeater Location”.
- Added statement regarding the expected Credit to the owner for scope reductions resulting from a test-based re-design that changes initial intent.
- Edited coverage requirements to “95 percent of the identified coverage” rather than “95 percent of all areas on each floor”.
- Modified contractor qualifications.
- Added Article INSPECTIONS AND PERMITS.
- In SUBMITTALS, removed content allowing for paper copy documents. All submittals to be in electronic form
- Added requirements for system Survivability.
- Added requirements for compliance with applicable sections of FCC rules
- Added requirements for listing under UL 2524 for the intended purpose.
- Added requirements for automatic supervisory and trouble alarms.
- Added requirements for NEMA-4 Enclosure.
- Added requirements for Monitoring.
- Added requirements for Power. Re-organized existing content.
- Added requirements for Distributed Antenna System (DAS)
- Added Listing requirements for cabling.
- Added requirement for cable other than ERRC cable co-installed with ERRC cable.
- Added requirement for pathway (circuit) survivability.
- Added requirements for Raceway and other cable pathways.
- In IDENTIFICATION AND LABELING, modified requirements identifying installing Contractor and Service Vendor.
- In DOCUMENTATION / PROJECT RECORD DOCUMENTS, Added “Certification” requirements.
- In DOCUMENTATION / PROJECT RECORD DOCUMENTS, Added requirement to Document RF “grid test” results.
- In DOCUMENTATION / PROJECT RECORD DOCUMENTS, clarified that Record Drawings should include “Plan and Schematic” sheets.
- To Article heading WARRANTY, added “AND SERVICE”.
- In WARRANTY AND SERVICE, added “Follow-up Service” requirements. Includes relocated and new content.

SECTION 28 10 00 – ACCESS CONTROL SYSTEM

03/01/21

(Replaces version dated 3/01/19)

- Added Editing directions relating to projects on UW-Madison campus.
- To outline detailing Major features of the Access Control System and Contractor and Agency, added “Database Updates”.
- Added Article INSPECTIONS AND PERMITS. Added related “Work Permit” to SUBMITTALS.

- In SUBMITTALS, removed content allowing for paper copy documents. All submittals to be in electronic form
- In “Proximity Card Reader”, added option supporting 13.56 MHz cards,
- In “Proximity Card Reader”, added option for “Open Supervised Device Protocol (OSDP)” format.
- In “Proximity Card Reader”, added option to support Bluetooth enabled devices.
- In “Proximity Card Reader”, added option to support “Smart Card Operating System (SCOS) type cards”.
- In “Proximity Card Reader”, removed content re: recognition of card formats up to 84 bits”.
- In “Proximity Card Reader”, expanded description of visual and audible indication of acceptance of denial of credentials/
- In “Proximity Card Reader”, added “HID MultiClass” as a Basis-of-Design (or Sole-source) option.
- Added option for “Biometric Devices”.
- In CABLING, removed statement that “All cabling exiting a building underground in conduit shall be UL listed for direct burial”.
- In PART 3 Article GENERAL, added direction to contractor re: review of project drawings.
- In COORDINATION, modified Editing instructions, replacing “UW Electric Shop” to read UW Police Department”.
- In “Field Device Installation”, added direction for condition when mounting credential readers on a new surface-mounted box.
- In “Elevator Control, edited to clarify that requirements apply to “in-Cab or Elevator Call” Credential Readers.
- Added directions re: “Network” responsibilities.
- Added appendix CITY OF MADISON – FIRE DEPARTMENT INSPECTION / ACCESS CONTROL/DELAYED EGRESS WORK PERMIT.

SECTION 28 23 00 – VIDEO SURVEILLANCE SYSTEM

03/01/21

(Replaces version dated 3/01/19)

- Clarified requirement for how Mockups are to be provided.
- Edited content re: exceptions to where cameras are PoE-powered.
- Edited various Editing Instructions for agency-furnished items.

SECTION 28 23 00 – VIDEO SURVEILLANCE SYSTEM - INSTRUCTIONS

03/01/21

(Replaces version dated 3/01/19)

- In Editing Notes, clarified that “This document IS NOT to be included with Bid Documents”.
- University of Wisconsin – Madison campus projects
- Added direction re: references to the University of Wisconsin – Madison campus Division 28 “Technical Guidelines”.
 - Added agency-furnished Cameras (make/model) to be assumed for purposes of bidding.

*** END OF LIST ***