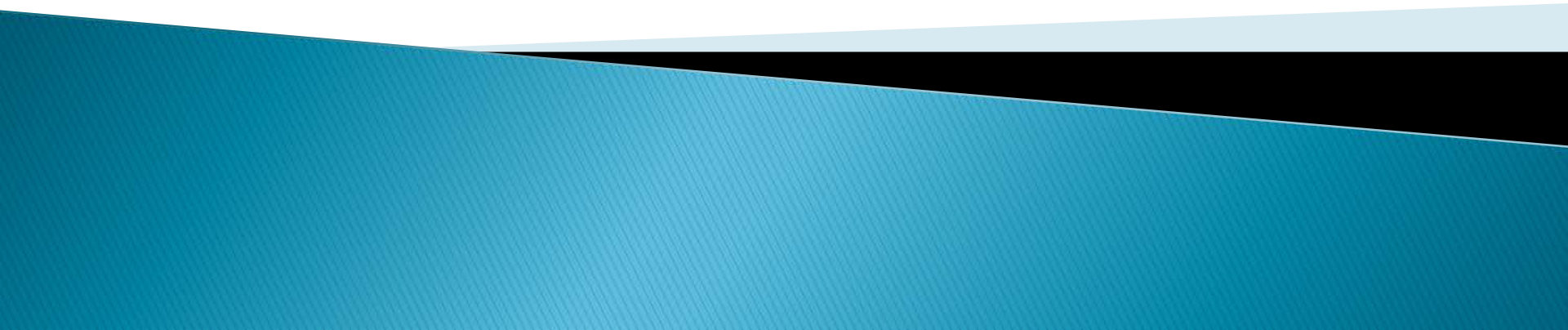


MasterFormat 2016

Division 28

Intrusion, Detention, Information and
Integration



Offered By:



Supported By:

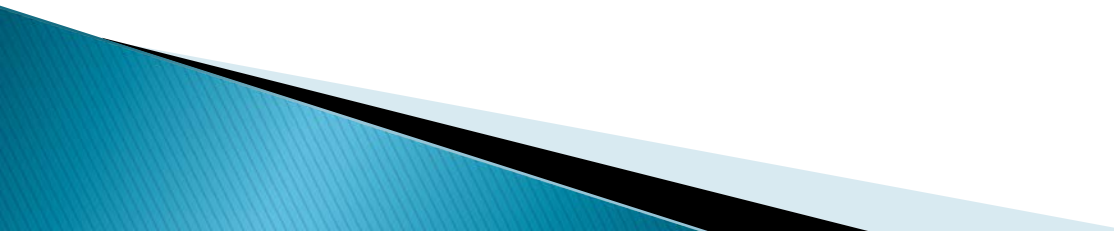


Ray Coulombe – SecuritySpecifiers



ray@securityspecifiers.com

Agenda

- ▶ Certification Credits
 - ▶ Background and Preliminary Comments
 - ▶ 28 05 07 Power Sources for Electronic Safety and Security
 - ▶ 28 52 00 Detention Security Systems
 - ▶ 28 05 45 Systems Integration and Interconnection Req'ts
 - ▶ 28 51 00 Information Management and Presentation
 - ▶ Wrap Up
 - ▶ Q & A
- 

Certification Credits (1 hour)

- ▶ PSP

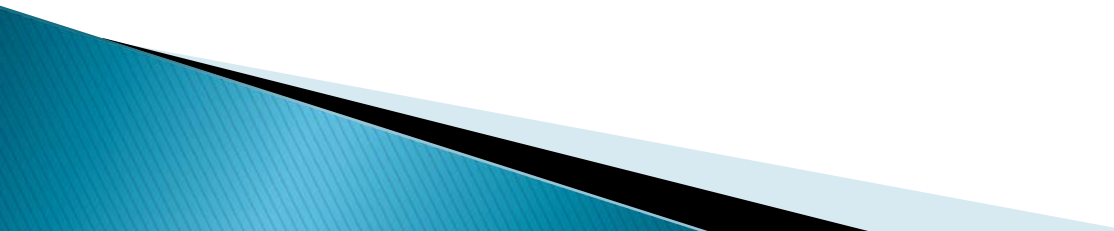
- 02/01/04 – Applicable Codes, Standards, and Guidelines

- ▶ CPP

- 02/06/01 – Key Concepts in the Preparation of Requests for Proposals and Bid Reviews/Evaluations
- 05/02/04 – Bid Package Development and Evaluation Process

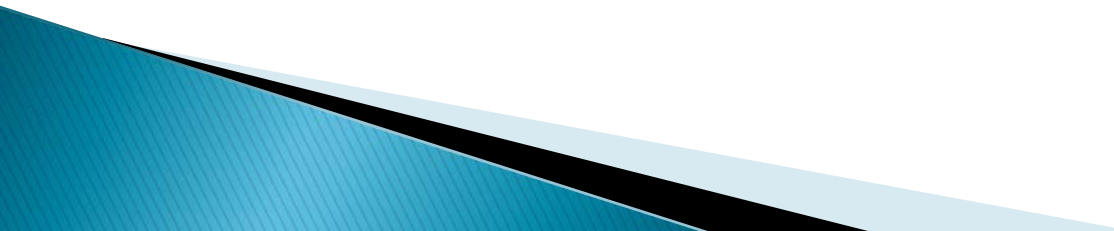
- ▶ Procedure for requesting certificate at end of today's webinar

Background

- ▶ June 2014 – SIA outreach to CSI
 - ▶ Invitation to Participate (100+ responses)
 - ▶ Technical Working Groups Established
 - ▶ 3 iterations with CSI Checkpoints
 - ▶ Circulation for comments
 - ▶ 4/15/15 Submission to CSI
 - ▶ 4/15 – 9/15 – CSI Evaluation and acceptance
 - ▶ 3/31/16 – MasterFormat 2016 Issued
- 

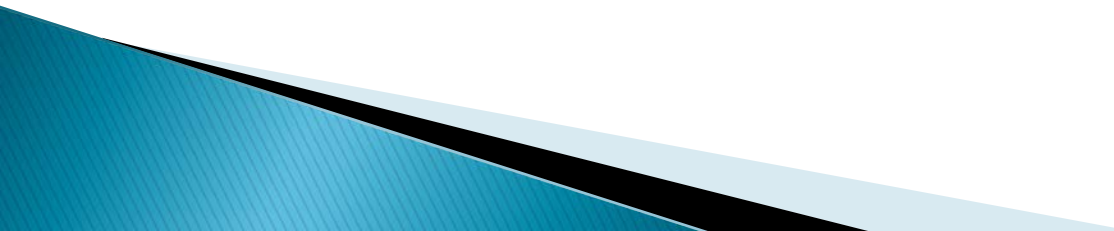
Realignment and Definition

MasterFormat **2014** Division 28 Main Categories

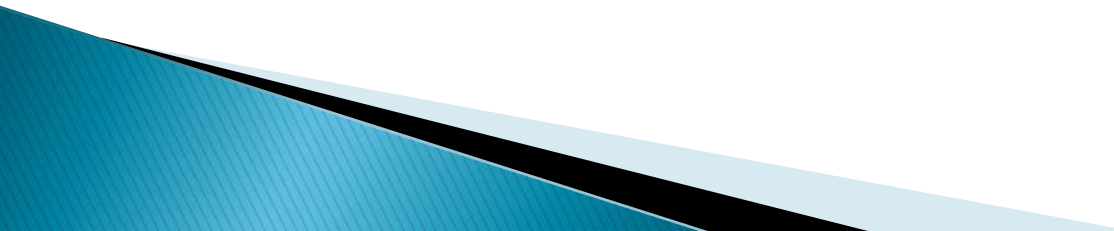
- ▶ 28 10 00 Electronic Access Control and Intrusion Detection
 - ▶ 28 20 00 Electronic Surveillance
 - ▶ 28 30 00 Electronic Detection and Alarm
 - ▶ 28 40 00 Electronic Monitoring and Control
- 

Realignment and Definition

MasterFormat **2016** Division 28 Main Categories

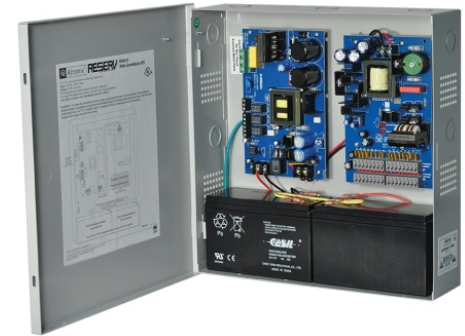
- ▶ 28 10 00 Access Control
 - ▶ 28 20 00 Video Surveillance
 - ▶ 28 30 00 Security Detection, Alarm, and Monitoring
 - ▶ 28 40 00 Life Safety
 - ▶ 28 50 00 Specialized Systems
- 

28 50 00 Specialized Systems

- **28 51 00 Information Management & Presentation**
 - ▶ **28 52 00 Detention Security Systems**
- 

28 05 07 Power Sources for Electronic Safety and Security

- 28 05 07.11 Power Sources for Access Control
- 28 05 07.13 Power Sources for Video Surveillance
- 28 05 07.15 Power Sources for Intrusion Detection
- 28 05 07.17 Power Sources for Fire Detection and Alarm
- 28 05 07.19 Solar Power Sources for Electronic Safety and Security
- 28 05 07.21 PoE Power Sources for Electronic Safety and Security
- 28 05 07.23 Uninterruptible Power Supply
- 28 05 07.25 Power Source Monitoring
- 28 05 07.27 Power Source Monitoring Appliances
- 28 05 07.29 Power Source Monitoring Software



28 05 09 Surge Protection for Electronic Safety and Security

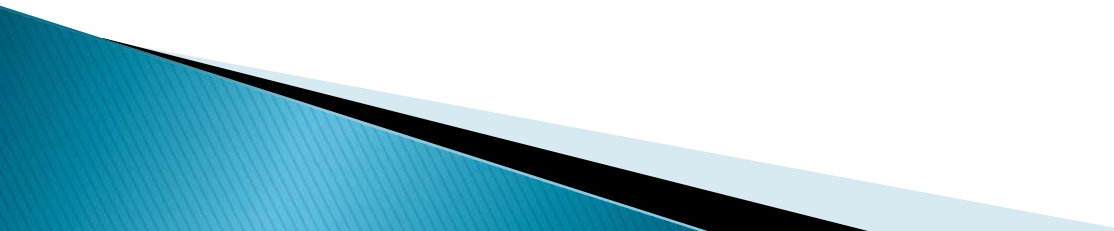
- 28 05 09.11 [Surge Protection] for Access Control
- 28 05 09.13 [] for Video Surveillance
- 28 05 09.15 [] for Intrusion Detection
- 28 05 09.17 [] for Fire Detection and Alarm



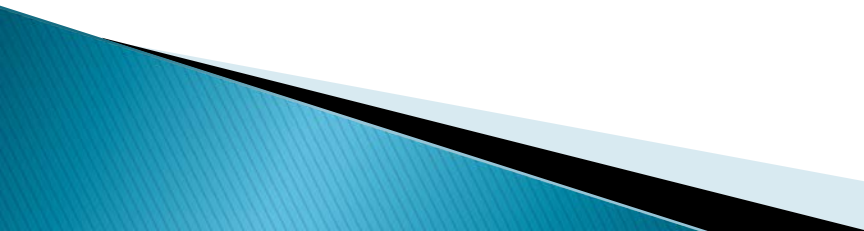
Charlie Howell- Division 28 Consulting



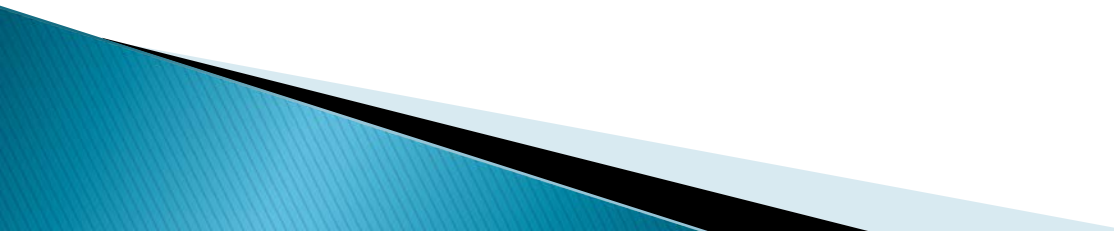
28 30 00 Security Detection, Alarm, and Monitoring

- ▶ 28 31 00 Intrusion Detection
 - ▶ 28 33 00 Security Monitoring and Control
 - ▶ 28 35 00 Tracking Systems
 - ▶ 28 37 00 Audio Monitoring
- 

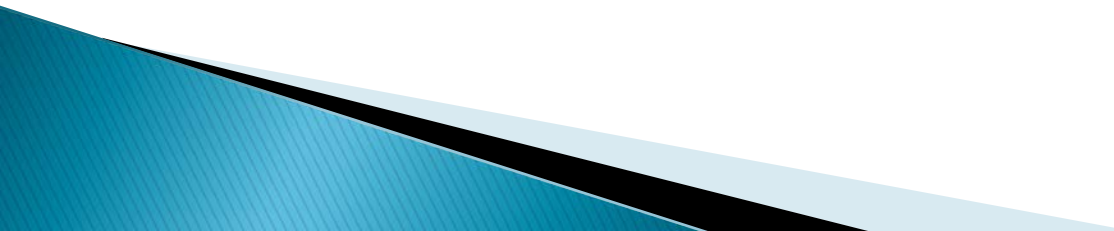
28 31 00 Intrusion Detection

- ▶ 28 31 11 **Building Intrusion Detection**
 - ▶ 28 31 11.11 Building Intrusion Detection Control, GUI, and Logic Systems
 - ▶ 28 31 11.13 Building Intrusion Detection Remote Devices and Sensors
 - ▶ 28 31 21 **Area and Perimeter Intrusion Detection**
 - ▶ 28 31 21.11 Fiber Optic Area and Perimeter Security Systems
 - ▶ 28 31 21.13 Microwave Area and Perimeter Security Systems
 - ▶ 28 31 21.15 Integrated Video Area and Perimeter Security Systems
 - ▶ 28 31 21.17 Fixed Optical Beam Area and Perimeter Security Systems
 - ▶ 28 31 21.19 LIDAR Area and Perimeter Security Systems
 - ▶ 28 31 21.21 Coaxial Area and Perimeter Security Systems
 - ▶ 28 31 21.23 Area and Perimeter Intrusion Detection Devices and Sensors
- 

28 31 31 Intrusion Detection Interfaces

- ▶ 28 31 31.11 [Intrusion Detection Interfaces] to Security Monitoring and Control
 - ▶ 28 31 31.13 [] to Access Control System
 - ▶ 28 31 31.15 [] to Video Surveillance
 - ▶ 28 31 31.17 [] to Information Management and Presentation
 - ▶ 28 31 31.19 [] to Mass Notification
 - ▶ 28 31 31.21 [] to Life Safety
 - ▶ 28 31 31.23 [] to Fire Alarm
 - ▶ 28 31 31.25 [] to Temperature Controls
- 

28 33 00 Security Monitoring and Control

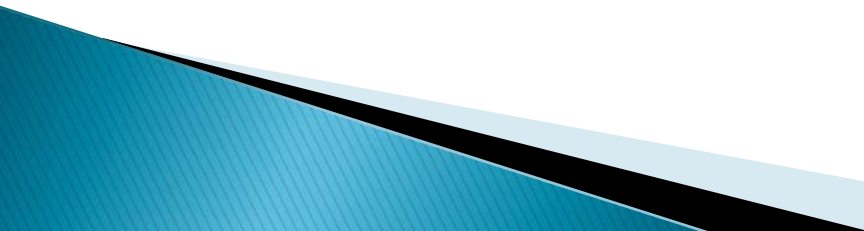
- ▶ 28 33 11 Electronic Structural Monitoring Systems
 - ▶ 28 33 13 Security Operations and Monitoring Center
 - ▶ 28 33 15 Security Monitoring and Control Software
 - ▶ 28 33 17 Security Monitoring and Control Services
- 

28 35 00 Tracking Systems

▶ 28 35 11 Asset Tracking Systems

- 28 35 11.11 RF Asset Tracking Systems
- 28 35 11.13 GPS Asset Tracking Systems
- 28 35 11.15 Cellular Asset Tracking Systems

▶ 28 35 13 Personnel Tracking Systems

- 28 35 13.11 RF Personnel Tracking Systems
 - 28 35 13.13 GPS Personnel Tracking Systems
 - 28 35 13.15 Cellular Personnel Tracking Systems
- 

Charlie Howell- Division 28 Consulting



chowell@div28consulting.com

Jeff Pronschinske – Mead & Hunt



Detention Security Subgroup

▶ Goals:

- Assign Detention Security as its own Section
- Allow the various integrated subsystems to reside in same Section of the Project Manual
- Define the various elements so that the numbering/titling system can actually be used to describe the Work.



Detention Security Updates

▶ MasterFormat 2004



- Focus on Network Architecture
 - 28 46 00 – Electronic Detention Monitoring and Control Systems
 - Hardwired Detention Monitoring and Control Systems
 - Relay–Logic Detention Monitoring and Control Systems
 - PLC–Based Detention Monitoring and Control Systems
 - Computer–Based Detention Monitoring and Control Systems
 - Discreet–Logic Detention Monitoring and Control Systems
 - Distributed–Intelligence Detention Monitoring and Control Systems

28 52 00 Detention Security Systems

► MasterFormat 2016



◦ Focus on Integrated Security

- 28 52 11 Detention Monitoring and Control Systems
- 28 52 13 [Detention Interfaces] to Connected Subsystems
 - 28 52 13.11 [] to Access Control Systems
 - 28 52 13.13 [] to Video Surveillance Systems
 - 28 52 13.15 [] to Security Detention, Alarm, and Monitoring
 - 28 52 13.17 [] to Security Monitoring and Control
 - 28 52 13.19 [] to Duress Alarm Systems
 - 28 52 13.21 [] to Distributed Television Systems
 - 28 52 13.23 [] to Perimeter Security Systems

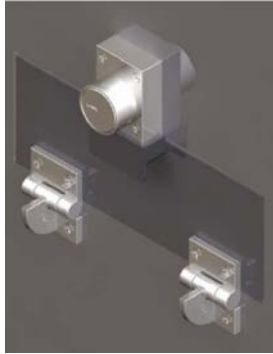
28 52 00 Detention Security Systems

► MasterFormat 2016



- Provisions for Stand-Alone technology
 - 28 52 15 Video Support Systems for Detention
 - 28 52 15.11 Video Interrogation System
 - 28 52 15.13 Video Arraignment System
 - 28 52 15.15 Video Visitation System

Detention Equipment Updates



- ▶ Goal:
 - Address crossover between physical and electronic security



Detention Equipment Updates

▶ MasterFormat 2004



- 11 19 00 – Detention Equipment
 - 11 19 13 – Detention Pass-Through Doors
 - 11 19 16 – Detention Gun Lockers



11 98 00 Detention Equipment

► MasterFormat 2016



- 11 98 11 Detention Equipment General Requirements
 - 11 98 12 Detention Doors and Frames
 - 11 98 13 Detention Pass-Through Doors
 - 11 98 14 Detention Door Hardware

Detention Security

- ▶ Major Strides from 1964  to 2016 
- Detention Security has its own Section.
 - Various integrated subsystems of Detention Security reside in the same portion of the Project Manual.
 - A numbering/titling system has been created that can actually be used to describe the Work related to Detention Security.

Jeff Pronschinske – Mead & Hunt



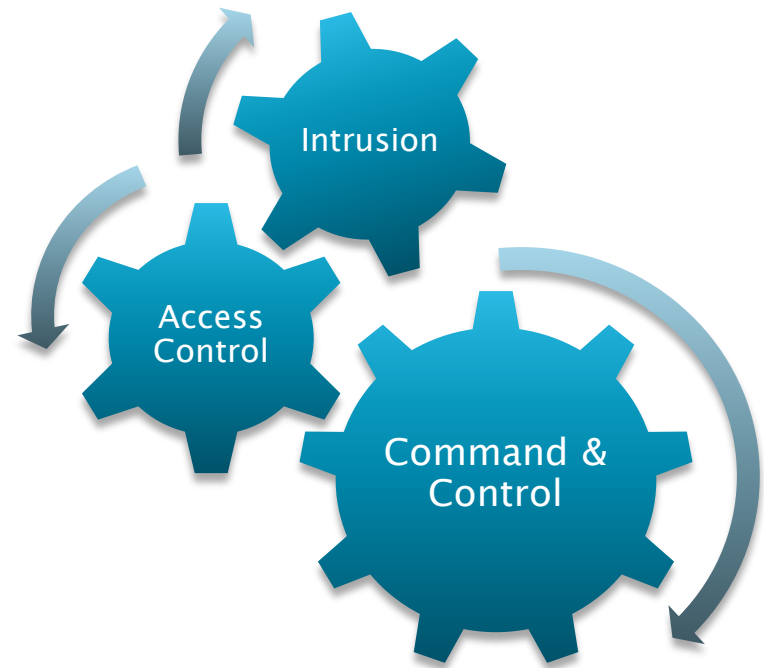
jeff.pronschinske@meadhunt.com

Benjamin Butchko – Butchko, Inc.



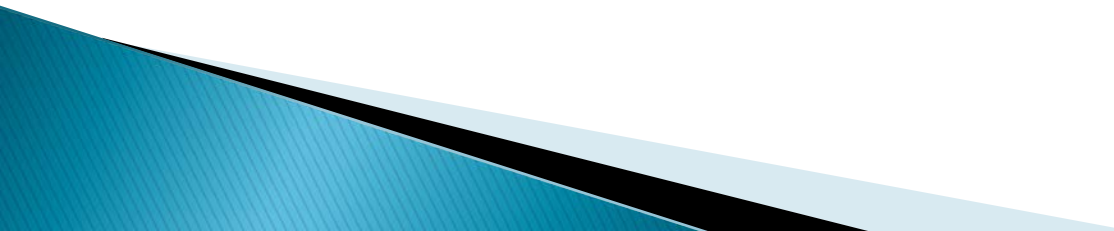
28 05 00 Common Work Results

- ▶ Describes the Assembly of a System
- ▶ 28 05 45 Systems Integration and Interconnection Requirements
 - 28 05 45.11 Mechanical
 - 28 05 45.13 Electrical
 - 28 05 45.15 Information



28 51 00 Information Management & Presentation

- ▶ Systems–Level
 - What elements are included
 - What is the overall architecture
 - ▶ How the full system is tested and validated at the systems level, not the component level

 - ▶ 28 51 11 Information Management & Presentation Architecture
 - ▶ 28 51 13 Data and Information Management
 - ▶ 28 51 15 Information Interfaces to Connected Subsystems
 - ▶ 28 51 17 Data Presentation
 - ▶ 28 51 19 Control Room and Monitoring Equipment
- 

28 51 15 [Information Interfaces] to Connected Subsystems

- ▶ 28 51 15.11 [] to Access Control Systems
- ▶ 28 51 15.13 [] to Video Surveillance Systems
- ▶ 28 51 15.15 [] to Security Detection, Alarm, and Monitoring
- ▶ 28 51 15.17 [] to Security Monitoring and Control
- ▶ 28 51 15.19 [] to Mass Notification Systems
- ▶ 28 51 15.21 [] to Life Safety Systems
- ▶ 28 51 15.23 [] to Fire Detection and Alarm
- ▶ 28 51 15.25 [] to Detention Systems
- ▶ 28 51 15.27 [] to Emergency Response Systems
- ▶ 28 51 15.29 [] to License Plate Recognition Systems
- ▶ 28 51 15.31 [] to Facial Recognition Systems
- ▶ 28 51 15.33 [] to Remote Data Structures
- ▶ 28 51 15.35 [] to Network and Facilities Monitoring
- ▶ 28 51 15.37 [] to Crowd Sourcing
- ▶ 28 51 15.39 [] to Web Intelligence
- ▶ 28 51 15.41 [] to Traffic Management and Monitoring Systems
- ▶ 28 51 15.43 [] to Environmental Monitoring Systems
- ▶ 28 51 15.45 [] to Directly Connected Sensors
- ▶ 28 51 15.47 [] to Other Safety and Security Subsystems

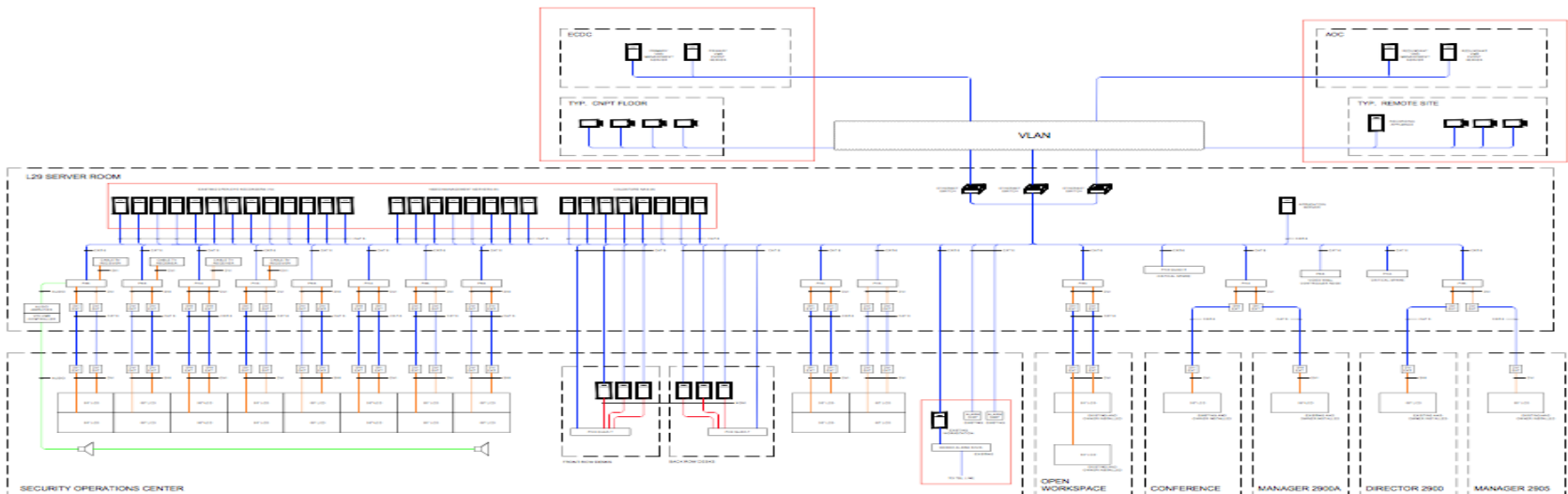
28 51 17 Data Presentation

- ▶ 28 51 17.11 Maps
- ▶ 28 51 17.13 Visualization
- ▶ 28 51 17.15 Events/Alarms/Incidents
- ▶ 28 51 17.17 Video Workspace
- ▶ 28 51 17.19 Dispatch/Notification
- ▶ 28 51 17.21 Review and Investigation
- ▶ 28 51 17.23 Reporting



28 51 19 Control Room and Monitoring Equipment

- ▶ 28 51 19.11 Display/Workstations
- ▶ 28 51 19.13 Video Walls
- ▶ 28 51 19.15 Audio Equipment
- ▶ 28 51 19.17 Remote Displays



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Cross Reference to Security Changes

- ▶ Guide available on SecuritySpecifiers.com

MasterFormat 2016					MasterFormat 2014					Action			
MasterFormat 2016 Title	Level 1 #	Level 2#	Level 3#	Level 4#	Level 1 #	Level 2#	Level 3#	Level 4#	MasterFormat 2014 Title	No Change	New	Modified	Deleted
ELECTRONIC SAFETY AND SECURITY	28	00	00		28	00	00		ELECTRONIC SAFETY AND SECURITY	X			
SECURITY DETECTION, ALARM, AND MONITORING	28	30	00		28	10	00		Electronic Access Control and Intrusion Detection			X	
INTRUSION DETECTION	28	31	00		28	16	00		Intrusion Detection			X	
Building Intrusion Detection	28	31	11		X	X	X				X		
Building Intrusion Detection Control, GUI, and Logic Systems	28	31	11	11	28	16	13		Intrusion Detection Control, GUI, and Logic Systems			X	
DELETED					28	16	16		Building Intrusion Detection Systems Infrastructure				X
Building Intrusion Detection Remote Devices and Sensors	28	31	11	13	28	16	19		Intrusion Detection Remote Devices and Sensors			X	
Area and Perimeter Intrusion Detection	28	31	21		28	16	43		Perimeter Security Systems			X	
Fiber Optic Area and Perimeter Security Systems	28	31	21	11	X	X	X	X			X		
Microwave Area and Perimeter Security Systems	28	31	21	13	X	X	X	X			X		
Integrated Video Area and Perimeter Security Systems	28	31	21	15	X	X	X	X			X		
Fixed Optical Beam Area and Perimeter Security Systems	28	31	21	17	X	X	X	X			X		
LIDAR Area and Perimeter Security Systems	28	31	21	19	X	X	X	X			X		
Coaxial Area and Perimeter Security Systems	28	31	21	21	X	X	X	X			X		

MasterFormat 2018

- Update committee is re-starting
- **Please indicate your interest**
 - Contributing
 - New, deleted or modified entries
 - Guidance Notes
 - Reviewing
 - Organizing
- Email ray@SecuritySpecifiers.com

Wrap Up

- ▶ Available on SecuritySpecifiers.com:
 - Webinar Recording (also on SecurityIndustry.org)
- ▶ MasterFormat 2018 Update
 - **Indicate interest**
 - Send comments, recommendations
 - Email ray@SecuritySpecifiers.com



Technical Security Symposium

- ▶ Specifically For Technical Security Consultants
- ▶ Discussion of Important Specification–Related Topics
 - Emerging Technologies
 - Optimizing the Manufacturer Relationship
 - Manufacturer Product/Technology Roadmaps
 - Impact of Cyber, Cloud, Artificial Intelligence
 - ...and more
- ▶ CEU's referenced to CPP, PSP
- ▶ Oct 21–24, 2017, San Antonio TX



PSP/CPP Credits

- ▶ Email ray@SecuritySpecifiers.com
- Or
- ▶ Use question box to send:
 - Name
 - Email
- ▶ Please allow one week

