[1 = Introduction](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution%22%20%5Cl%20%22.3D_Introduction)

[1.1 Executive Summary](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Executive_Summary)

[1.2 Solution Offering Purpose](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Solution_Offering_Purpose)

[1.3 Solution Offering Relationship Overview](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Solution_Offering_Relationship_Overview)

[2 Solution Offering Definition](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Solution_Offering_Definition)

[2.1 Data Investigation Provides the Foundation for Improvement](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Data_Investigation_Provides_the_Foundation_for_Improvement)

[2.2 Data Re-Engineering is a Progressive Improvement Process](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Data_Re-Engineering_is_a_Progressive_Improvement_Process)

[3 Data Investigation Relationship to Solution Capabilities](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Data_Investigation_Relationship_to_Solution_Capabilities)

[3.1 Relationship to Enterprise Views](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Relationship_to_Enterprise_Views)

[3.2 Mapping to the Information Governance Framework](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Mapping_to_the_Information_Governance_Framework)

[3.3 Mapping to the SAFE Architecture Framework](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Mapping_to_the_SAFE_Architecture_Framework)

[3.4 Mapping to the Overall Implementation Guide](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Mapping_to_the_Overall_Implementation_Guide)

[3.4.1 Business Assessment and Strategy Definition Blueprint (Phase 1)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Business_Assessment_and_Strategy_Definition_Blueprint_.28Phase_1.29)

[3.4.2 Technology Assessment and Selection Blueprint (Phase 2)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Technology_Assessment_and_Selection_Blueprint_.28Phase_2.29)

[3.4.3 Roadmap and Foundation Activities (Phase 3)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Roadmap_and_Foundation_Activities_.28Phase_3.29)

[3.4.3.1 Detailed Preparation and Planning (part of the Roadmap)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Detailed_Preparation_and_Planning_.28part_of_the_Roadmap.29)

[3.4.3.2 Establishing the Data Profiling Environment (part of Foundation Activities)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Establishing_the_Data_Profiling_Environment_.28part_of_Foundation_Activities.29)

[3.4.3.3 Data Profiling Execution (Part of Foundation Activities)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Data_Profiling_Execution_.28Part_of_Foundation_Activities.29)

[3.4.4 Other Activities](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Other_Activities)

[4 Data Re-Engineering Relationship to Solution Capabilities](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Data_Re-Engineering_Relationship_to_Solution_Capabilities)

[4.1 Relationship to Enterprise Views](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Relationship_to_Enterprise_Views_2)

[4.2 Mapping to the Information Governance Framework](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Mapping_to_the_Information_Governance_Framework_2)

[4.3 Mapping to the SAFE Architecture Framework](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Mapping_to_the_SAFE_Architecture_Framework_2)

[4.4 Mapping to the Overall Implementation Guide](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Mapping_to_the_Overall_Implementation_Guide_2)

[4.4.1 Business Assessment and Strategy Definition Blueprint (Phase 1)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Business_Assessment_and_Strategy_Definition_Blueprint_.28Phase_1.29_2)

[4.4.2 Technology Assessment and Selection Blueprint (Phase 2)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Technology_Assessment_and_Selection_Blueprint_.28Phase_2.29_2)

[4.4.3 Roadmap and Foundation Activities (Phase 3)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Roadmap_and_Foundation_Activities_.28Phase_3.29_2)

[4.4.3.1 Detailed Preparation and Planning (part of the Roadmap)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Detailed_Preparation_and_Planning_.28part_of_the_Roadmap.29_2)

[4.4.3.2 Establishing the Data Profiling Environment (part of Foundation Activities)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Establishing_the_Data_Profiling_Environment_.28part_of_Foundation_Activities.29_2)

[4.4.3.3 Data Profiling Execution (Part of Foundation Activities)](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Data_Profiling_Execution_.28Part_of_Foundation_Activities.29_2)

[4.4.4 Other Activities within MIKE2.0](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Other_Activities_within_MIKE2.0)

[4.5 Mapping to Supporting Assets](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Mapping_to_Supporting_Assets)

[4.5.1 Logical Architecture, Design and Development Best Practices](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Logical_Architecture.2C_Design_and_Development_Best_Practices)

[4.6 Product-Specific Implementation Techniques](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Product-Specific_Implementation_Techniques)

[4.7 Selecting Products for Data Investigation](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Selecting_Products_for_Data_Investigation)

[4.7.1 Data Investigation and Re-Engineering: Buy vs. Build](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Data_Investigation_and_Re-Engineering:_Buy_vs._Build)

[4.7.2 Data Investigation Re-Engineering: Tool Selection](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Data_Investigation_Re-Engineering:_Tool_Selection)

[5 Relationships to other Solution Offerings](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Relationships_to_other_Solution_Offerings)

[6 Extending the Open Methodology through Solution Offerings](http://mike2.openmethodology.org/wiki/Data_Investigation_and_Re-Engineering_Solution#Extending_the_Open_Methodology_through_Solution_Offerings)

|  |
| --- |
| [1 Data Specific Functional Requirements for Master Data Management solutions](http://mike2.openmethodology.org/wiki/Data_specific_functional_requirements#Data_Specific_Functional_Requirements_for_Master_Data_Management_solutions) [1.1 Customer Data oriented](http://mike2.openmethodology.org/wiki/Data_specific_functional_requirements#Customer_Data_oriented)[1.2 Supplier Data Oriented](http://mike2.openmethodology.org/wiki/Data_specific_functional_requirements#Supplier_Data_Oriented)[1.3 (Sellable) Product Data Oriented](http://mike2.openmethodology.org/wiki/Data_specific_functional_requirements#.28Sellable.29_Product_Data_Oriented)[1.4 Employee Data Oriented](http://mike2.openmethodology.org/wiki/Data_specific_functional_requirements#Employee_Data_Oriented)[1.5 Organization Data Oriented](http://mike2.openmethodology.org/wiki/Data_specific_functional_requirements#Organization_Data_Oriented)[1.6 General External Reference Data Oriented](http://mike2.openmethodology.org/wiki/Data_specific_functional_requirements#General_External_Reference_Data_Oriented)[1.7 General Internal Reference Data Management](http://mike2.openmethodology.org/wiki/Data_specific_functional_requirements#General_Internal_Reference_Data_Management) |

# [[edit](http://mike2.openmethodology.org/w/index.php?title=Data_specific_functional_requirements&action=edit&section=1)] Data Specific Functional Requirements for Master Data Management solutions

Data specific functional requirements for master data management solutions contain capabilities that are specific to a data object. Master data product selection should collect and review all 3 types of requirements.
The following list contains a list of typical data object requirements, that need to be tailored and detailed to the during the technology assessment and selection phase.

## [[edit](http://mike2.openmethodology.org/w/index.php?title=Data_specific_functional_requirements&action=edit&section=2)] Customer Data oriented

* **Partner Data Management:** Definition of the Partner as Entity: Account, Legal entity etc.
* **Address Data Management**: Number of Addresses associated with the Partner, Structure of the Address Data, Internal, External Address Validation
* **Hierarchy Management**: Capturing, display of Corporate structures
* **Relationship Management**: Capturing, display of Relationships between Partners, Addresses
* **Internal Organization Management**: Capturing and display of internal Organizations as Partners (especially for Intercompany transactions)
* **Bank Data Management**: Definition of Banks and Bank Account data for Partners
* **Contact Data Management**: Definition of Contact, Data Structure of Contact, Association of Contact to Partner
* **International Addresses**: Capturing and Management of Partner Data in Multiple languages and charactersets

## [[edit](http://mike2.openmethodology.org/w/index.php?title=Data_specific_functional_requirements&action=edit&section=3)] Supplier Data Oriented

* **Partner Data Management**: Definition of the Partner as Entity: Account, Legal entity etc.
* **Address Data Management**: Number of Addresses associated with the Partner, Structure of the Address Data, Internal, External Address Validation
* **Hierarchy Management**: Capturing, display of Corporate structures
* **Relationship Management**: Capturing, display of Relationships between Partners, Addresses
* **Internal Organization Management**: Capturing and display of internal Organizations as Partners (especially for Intercompany transactions)
* **Bank Data Management**: Definition of Banks and Bank Account data for Partners
* **Contact Data Management**: Definition of Contact, Data Structure of Contact, Association of Contact to Partner
* **International Addresses**: Capturing and Management of Partner Data in Multiple languages and charactersets
* **Purchasing Data Management**: Capturing and Management of Purchasing relevant data that may be organization specific (Currency, Buyer, Terms)
* **Taxonomy Data Management**: Capturing and Management of Classification and Attributes Data for Suppliers (eg. ABC, Geography, Industry etc.)
* **Accounting Data Management**: Capturing and Management of accounting relevant data that may be legal entity specific (Terms of payment, etc.

## [[edit](http://mike2.openmethodology.org/w/index.php?title=Data_specific_functional_requirements&action=edit&section=4)] (Sellable) Product Data Oriented

* **Product Number Management**: Capturing and management of Product numbering systems
* **Product Descriptions and Text**: Capturing and Managment of different Texts, Generation of standardized Texts
* **Units of Measure Management**: Capturing and Management of Units of Measures and Hierarchies of Units (1 piece, 6 pieces = 1 carton, 10 cartons = 1 box)
* **Rich Content Management**: Capturing and Management of Images, PDF's, Movies
* **Classification Management**: Capturing and Management of Classification and Attributes Data for Products (eg. ABC, Technical Attributes, Industry etc.)
* **Labels Management**: Capturing and Management of data for printed Labels
* **Compliance Management**: Capturing and Managment of relevant regulatory compliance references and declarations (RoHS, WEES)
* **Variant Configuration Management**: Capabilites for managing Variant configuration
* **Language and Translation Management**: Capturing and Management of Translations of Text and Structured Data
* **Certificates Management**: Capturing and Management of relevant Certificates and Labels (ISO certificates, Standards compliance, Trade labels)
* **Hierarchy Management**: Capturing Display and Management of Hierarchical Organizations of Products into Groups, Families etc. for Reporting, Marketing, Pricing
* **Relationship Management**: Capturing and Management of horizontal relationships between products (Accessories, Spare Parts, Bundles)
* **Catalog Management**: Selection and Management of product portfolios for specific catalogs
* **Price Management**: Capturing and Management of Prices (Listprices, Currencies, Discounts)
* **Formatting and output Management**: Selection and formatting of specific attributes for generation of specific outputs (eg. Number, Short description in German and 200x200 Image)
* **International Trade Management**: Capturing and managing customs related data

## [[edit](http://mike2.openmethodology.org/w/index.php?title=Data_specific_functional_requirements&action=edit&section=5)] Employee Data Oriented

* **Identity Management**: Capabilities regarding capturing, generation and dispatch of LDAP Identities
* **Address data Management**: Capabilities regarding management and distribution of Addresses (Private, Business)
* **Bank Data Management**: Capabilities regarding capturing and management of bank data
* **Lifecycle Status Management** : Capabilities regarding status of the employee (candidate, employee, retired)
* **Hierarchy Management** : Capabilities regarding assigment of employees to direct reporting lines
* **Matrix Assignement Management** : Capabilitesregarding assignement of employees to multiple reproting lines (dotted lines, project assignements)
* **Privacy Management**: Requirements regarding protection of general employee data and specific attributes (eg. Salary, Position, Status), management of visibility and distribution
* **User Management**: management and distribution of employee data to support user provisioning in relevant systems and business applications, especially in relation to temporary or third party personnel.
* **Access Control integration**: Management and distribution of Employee data to support Access control for relevant Business Applications, especially in relation to temporary or third party personnel

## [[edit](http://mike2.openmethodology.org/w/index.php?title=Data_specific_functional_requirements&action=edit&section=6)] Organization Data Oriented

* **Organization definition**: Capabilities to capture and manage different organizational entities (sales organizations, production facilities, warehouses, legal entities etc.)
* **Address Management**: Capabilities to capture, display and distribute different addresses for organizational units (shipments, accounting, production etc.)
* **Hierarchy Management**: Capabilities to display hierarchical relationships between organizational entities
* **Matrix**: Capabilities to capture and manage matrix relationships between organizations with attributes
* **Naming Conventions**: Capabilities to capture, generate, enforce naming conventions for organizational Units
* **Confidentiality, Visibility**: Requirements regarding the confidentiality or visibility of certain organizational relationships or structures
* **Shared Service Centers**: Capabilities to capture and manage relationships between business units and shared service centers with different relationship characteristics (is located in, provides service to, reports to)
* **Integration Management**: Management and distribution of organization data to support Business applications (Intercompany trade, Financial Consolidation, Business Intelligence Applications)

## [[edit](http://mike2.openmethodology.org/w/index.php?title=Data_specific_functional_requirements&action=edit&section=7)] General External Reference Data Oriented

* **Credit Management** : Capabilities to capture and manage credit management data from different sources like Duns & Bradstreet numbers, Other Credit Agency Identifiers and credit checks
* **Government and Tax ID Management**: Capabilities for capturing and management of legal and tax relevant ID’s
* **Customs Tariff numbers**: capabilities for capturing and management of import/ export relevant numbers and classifications.
* **Trade Classification**: capabilities for capturing and management of industry specific classifications like UNSPC or eClass

## [[edit](http://mike2.openmethodology.org/w/index.php?title=Data_specific_functional_requirements&action=edit&section=8)] General Internal Reference Data Management

* **Lifecycle Status Management**: Capabilites to capture, manage and distribute lifecycle status definitions to data marts and dictionaries
* **Reporting Hierarchy**: Capabilities to capture and manage reporting hierarchies in terms of request management, approval, deployment of hierarchy data and moving of dependant master data
* **Accounting Terms**: Capabilities to capture and manage definitions for accounting relevant terms (payment terms, methods, freight cost) between systems (purchasing, accounting…)
* **Countries, Languages, Currencies**: Capabilites to capture and distribute definitions and relationships between those definitions (eg. currencies to countries, languages to countries etc.)
* **Regional structures, groupings of countries** (EMEA, Americas, Asia…): Capabilites to capture and managehierarchical groupings of countries: for example Germany > German speaking countries > Europe > Europe Middle East Afric

# [AV Systems Energy Management Handbook](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/38919.htm)

Learn to apply ANSI/INFOCOMM 4:2012 Audiovisual Systems Energy Management with this handbook.

* **Type:** Book; Standard
* **Topic:** Best Practices; Standards
* **Audience:** All AV Professionals; Designers; Installers; Live Events Professionals
* **Publication Date:**  **January 2014**
* **Language:** English

# [ANSI/INFOCOMM 10:2013, Audiovisual Systems Performance Verification](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/35975.htm)

Verify the performance of audiovisual systems throughout the system integration process with this standard.

* **Type:** Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**  **December 2013**
* **Language:** English

# [Spectral Balance Data Collection Form and Procedure](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/32956.htm)

A downloadable document follwing industry standards and best practices. Complements INFOCOMM 8-201x Audio System Spectral Balance Task Group.

* **Type:** Form or Application; Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**  August 2012
* **Language:** English

# [ANSI/INFOCOMM 4:2012, Audiovisual Systems Energy Management](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/32933.htm)

Defines and prescribes processes and requirements for power-consumption management of an AV system.

* **Type:** Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**  June 2012
* **Language:** English

# [ANSI/INFOCOMM 3M-2011, Projected Image System Contrast Ratio](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/32932.htm)

This performance Standard establishes four viewing requirement categories and defines a minimum contrast ratio requiremnt for each category.

* **Type:** Standard
* **Topic:** Standards
* **Audience:** Designers; Installers; Live Events Professionals; Project Managers
* **Publication Date:**  June 2011
* **Language:** English

# [ANSI/INFOCOMM 2M-2010, Standard Guide for Audiovisual Systems Design and Coordination Processes](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/32931.htm)

This Standard outlines a consistent set of the standard tasks, responsibilities, and deliverables required for professional audiovisual systems design and construction.

* **Type:** Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**  December 2010
* **Language:** English

# [AV Implementation Handbook](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/35151.htm)

Clarify the tasks on the coordination processes checklist for ANSI/INFOCOMM 2M-2010 with this handbook.

* **Type:** Book; Standard
* **Topic:** Installation; Standards
* **Audience:** All AV Professionals; Architects, Builders and Contractors; Designers; Installers; Integrators
* **Publication Date:**  December 2010
* **Language:** English

# [ACU Field Guide](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/35150.htm)

The ACU Field Guide is designed to help audio technicians and engineers conduct the required in-field preparations, data collection and reporting for the ANSI/INFOCOMM 1M-2009 Audio Coverage Uniformity in Enclosed Listener Areas performance standard.

* **Type:** Book; Standard
* **Topic:** Standards
* **Audience:** Installers
* **Publication Date:**  December 2009
* **Language:** English

# [Design Guidelines for ACU](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/35149.htm)

These design guidelines describe the processes involved in designing loudspeaker systems to the requirements outlined in ANSI/INFOCOMM 1M-2009, Audio Coverage Uniformity in Enclosed Listener Areas.

* **Type:** Book; Standard
* **Topic:** Design; Standards
* **Audience:** Designers
* **Publication Date:**  December 2009
* **Language:** English

# [ANSI/INFOCOMM 1M-2009 Audio Coverage Uniformity Sample Spreadsheet Report Form](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/32953.htm)

Use this sample spreadsheet to report the results of site test measurements.

* **Type:** Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**  November 2009
* **Language:** English

# [ANSI/INFOCOMM 1M-2009, Audio Coverage Uniformity in Enclosed Listener Areas](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/32930.htm)

This Standard provides a procedure to measure spatial coverage, and criteria for use in the design and commissioning of audio systems.

* **Type:** Standard
* **Topic:** Standards
* **Audience:** Architects, Builders and Contractors; Designers; End Users; Installers; Integrators; Live Events Professionals; Technology Managers
* **Publication Date:**  November 2009
* **Language:** English

# [AV Standards Clearinghouse](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/39002.htm)

Find published standards specific or applicable to audiovisual projects with this free resource created in cooperation with the University of Illinois Urbana-Champaign.

* **Type:** Guide or Template; Standard
* **Topic:** Standards
* **Audience:** All AV Professionals; Architects, Builders and Contractors; CTS Professionals; Designers; Installers; Integrators; IT Professionals; Live Events Professionals; Manufacturers; Project Managers; Students
* **Publication Date:**
* **Language:** English

# [IES/INFOCOMM RP-38-1X, Videoconferencing Lighting](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/36194.htm)

* **Type:** Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**
* **Language:** English

# [INFOCOMM 5M-201X, Display Image Size for 2D Content](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/35973.htm)

* **Type:** Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**
* **Language:** English

# [INFOCOMM 8M-201X, Audio System Spectral Balance](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/35974.htm)

* **Type:** Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**
* **Language:** English

# [ISA/INFOCOMM 111.01, Unified Automation for Buildings - Part 1: Terminology and Concepts](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/36196.htm)

* **Type:** Standard
* **Topic:** Standards
* **Audience:** All AV Professionals
* **Publication Date:**
* **Language:** English
* [Sound System Measurement Performance](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/32956.htm)
* [AV Performance](http://www.infocomm.org/cps/rde/xchg/infocomm/hs.xsl/35975.htm) - Audiovisual Systems Performance Verification