



Space: the Final Frontier

Optimizing Space Management Setups

Presented By: Gil Oswald





Introductions

Meet Gil Oswald


Senior Project Manager



About Gil

Started with AssetWorks in 2006. Studied High Technology Management at California State University, San Marcos. He has 20+ years of expertise in IWMS Software Project Management. His experience includes management of facilities maintenance systems, space management, AutoCAD systems and Work Control Customer Service Centers. In his free time, I enjoy movies, biking, and running.

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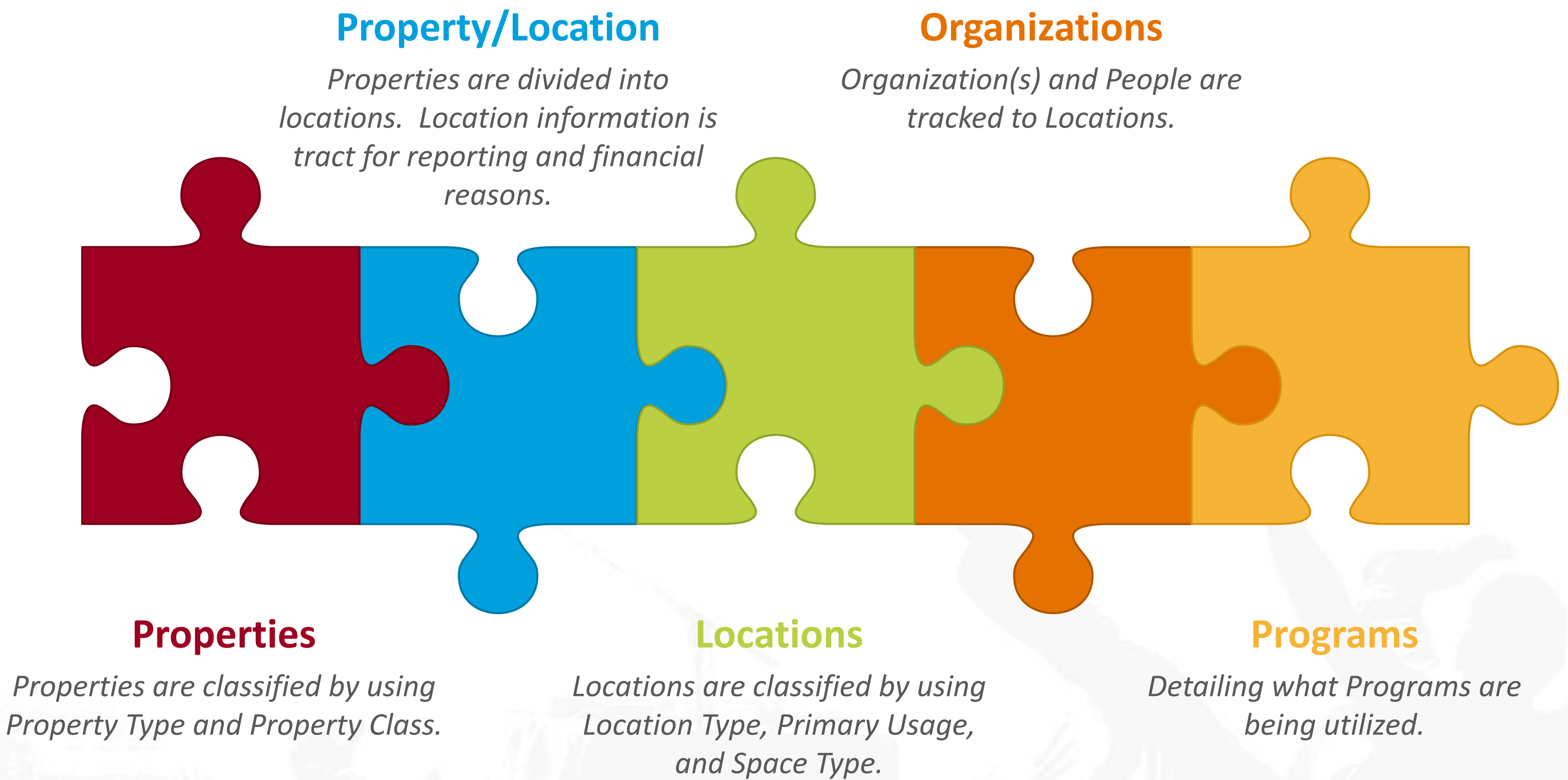
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Agenda

Space Information

Tracking Data



Agenda

What's on the Playlist....

- ✓ National Standards
 - ✓ Property Codes
 - ✓ Location Codes
 - ✓ Organizational Occupancy Codes
 - ✓ Program Codes

✓ National Standards

National Standards

Why use?

Using standards can offer a set of powerful business tools for organizations of all sizes. These Standards support fine-tuning your performance and helps manage your risks while operating in a more efficient and sustainable way.

National Standards...

- ☐ Guideposts for the industry.
- ☐ Help benchmark objectives.
- ☐ Facilitate comparisons among similar organizations.
- ☐ Dependable and Scalable Analytics

National Standards

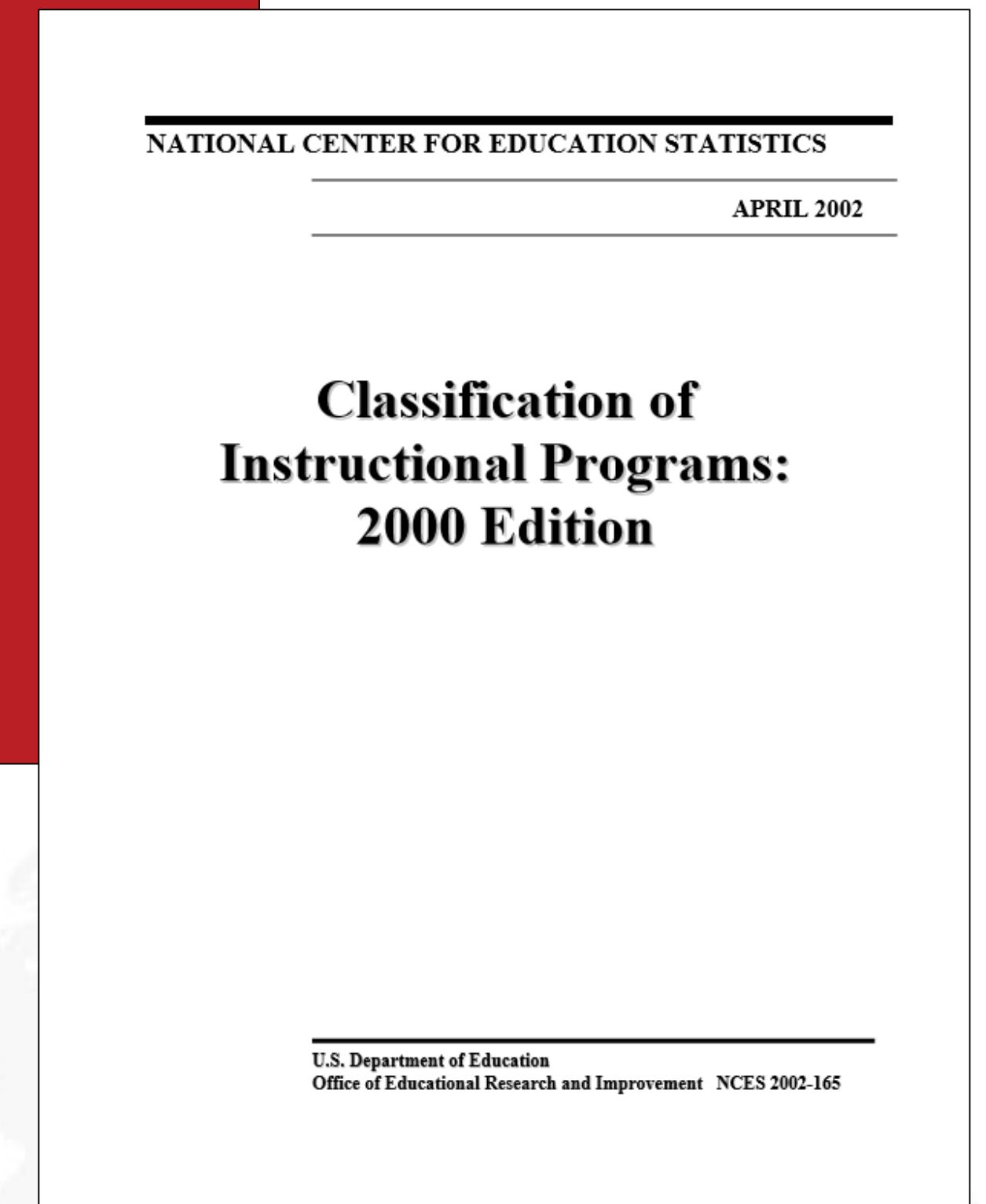
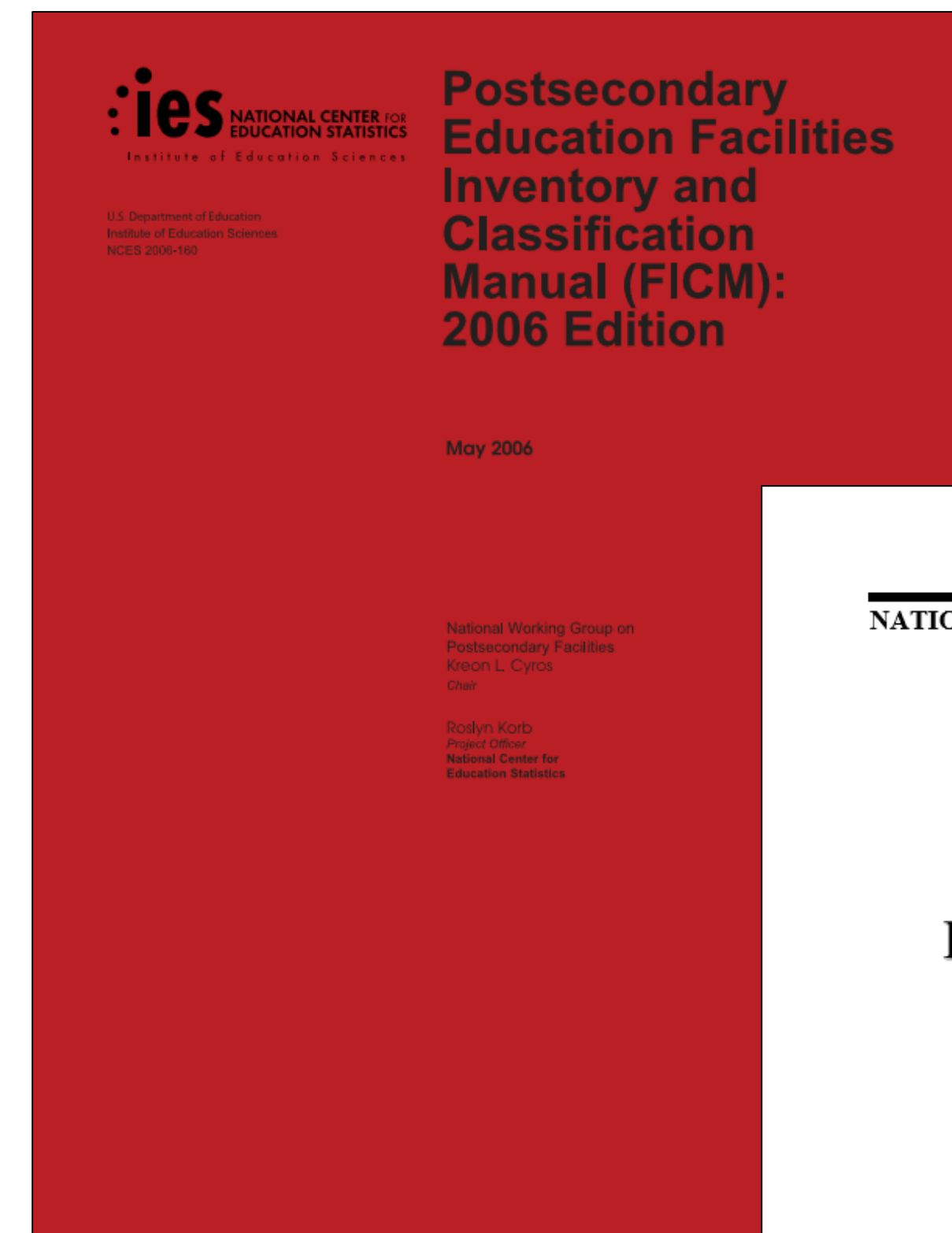
What Standards to use?

❑ Postsecondary Educational Facilities Inventory and Classification Manual (FICM)

<https://nces.ed.gov/pubs2006/ficm/>

❑ Classification of Instructional Programs

<https://nces.ed.gov/pubs2006/2006160.pdf>





Property Codes

Property Codes

Classifying Properties

- Property Type

The Property Type is used as a tool to define, normally for reporting purposes, a property's primary use.

- Property Class

The Property Class is a reporting element and further classifies the property. The Property Class is also used on the Cost Model in Planning and Needs Analysis module.

Property Codes

Classifying properties



Property Type
BUILDING
CAMP
GARAGE
GROUND
INFRASTRUCTURE
LOT
PARK
ROAD
TUNNEL

Property Class
ADMINISTRATION
AGRICULTURAL
ANIMAL
COMMUNICATION
HEALTHCARE
HOUSING
RECREATION
SPECIAL PURPOSE
UTILITY
WAREHOUSE



Location Codes

Location Codes

Classifying Locations

- Location Type

The Location Type is used as a tool to define, normally for reporting purposes, a Location's Classification.

- Primary Usage

The Primary Usage is used as a tool to define, normally for reporting purposes, the Location's main Usage.

Location Codes

Location Type

Classifications Breakdown	Description
Classrooms (100 series)	General purpose classrooms, lecture halls, recitation rooms, seminar rooms, and other spaces used primarily for scheduled nonlaboratory instruction.
Laboratory Facilities (200 series)	Rooms or spaces characterized by special purpose equipment or a specific configuration that ties instructional or research activities to a particular discipline or a closely related group of disciplines.
Office Facilities (300 series)	Offices and conference rooms specifically assigned to each of the various academic, administrative, and service functions.
Study Facilities (400 series)	Study rooms, stacks, open-stack reading rooms, and library processing spaces.
Special Use Facilities (500 series)	Military training rooms, athletic and physical education spaces, media production rooms, clinics, demonstration areas, field buildings, animal quarters, greenhouses, and other room categories that are sufficiently specialized in
General Use Facilities (600 series)	Assembly rooms, exhibition space, food facilities, lounges, merchandising facilities, recreational facilities, meeting rooms, child and adult care rooms, and other facilities that are characterized by a broader availability to faculty,
Support Facilities (700 series)	Computing facilities, shops, central storage areas, vehicle storage areas, and central service space that provide centralized support for the activities of a campus.
Health Care Facilities (800 series)	Facilities used to provide patient care (human and animal).
Residential Facilities (900 series)	Housing facilities for students, faculty, staff, and visitors to the campus.
Unclassified Facilities (000 series)	Inactive or unfinished areas, or areas in the process of conversion.
Circulation Area (WWW series)	Nonassignable spaces required for physical access to floors or subdivisions of space within the building, whether directly bounded by partitions or not.
Building Service Area (XXX series)	Nonassignable spaces used to support its cleaning and public hygiene functions.
Mechanical Area (YYY series)	Nonassignable spaces of a building designed to house mechanical equipment and utility services, and shaft areas.

Location Codes

Primary Usage

Primary Usage facilitates further classification of a space. The functional categories were developed for cost financial accounting purposes. Below are the two mostly used standards for Classifying the Usage of a room (Primary, and Organizational Usage) within AiM™.

- U.S. Office of Management and Budget (OMB) Circular A-21.
- National Association of College and University Business Officers (NACUBO) .

Location Codes

Primary Usage

Classification	
1.0 Instruction	
2.0 Organized/Sponsored Research.	
3.0 Public Service.	
4.0 Academic Service.	
	4.1 Libraries
	4.2 Departmental Administration
	4.3 Museums and Galleries
5.0 Student Services	
6.0 Institutional Support	
	6.1 General Administration
	6.2 Public Relations/Development/Alumni Affairs
	6.3 Sponsored Projects
7.0 Operation and Maintenance of Plant	
8.0 Scholarships and Fellowships	
9.0 Auxiliary Enterprises	
10.0 Independent Operations	
11.0 Hospitals	
12.0 Service Center	
13.0 Unoccupied Space	

Note: Usage Codes are also used In Organizational Occupancy to further break out mixed used locations.



Organizational Occupancy Codes

Organizational Occupancy Codes

Usage Codes

- Organizational Occupancy associates occupants to locations and then enables the assignment of usage(s) to those organizational occupants.
- The same Usage Codes used for Primary Usage on the Location is utilized for Organization Occupancy.
- Multiple Usage Codes can be utilized for the same Organization.



Organizational Occupancy

Usage Codes

Classification	
1.0 Instruction	
2.0 Organized/Sponsored Research.	
3.0 Public Service.	
4.0 Academic Service.	
	4.1 Libraries
	4.2 Departmental Administration
	4.3 Museums and Galleries
5.0 Student Services	
6.0 Institutional Support	
	6.1 General Administration
	6.2 Public Relations/Development/Alumni Affairs
	6.3 Sponsored Projects
7.0 Operation and Maintenance of Plant	
8.0 Scholarships and Fellowships	
9.0 Auxiliary Enterprises	
10.0 Independent Operations	
11.0 Hospitals	
12.0 Service Center	
13.0 Unoccupied Space	

Note: Usage Codes are also used for Location Classification.



Program Codes

Program

Program Codes

- The Program Location, found in Space Management, associates research programs with locations. This also captures the amount of space dedicated to the program and the effective date range at the location.



Program

Program Codes

- The Program Location, found in Space Management, associates research programs with locations. This also captures the amount of space dedicated to the program and the effective date range at the location.
- The Classification of Instructional Program manual is the accepted federal government statistical standard on instructional program classifications.

Program

Program Codes

- 60+ Program Categories.
- 1840+ Individual Classifications.

Code	Description
1	AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES
3	NATURAL RESOURCES AND CONSERVATION
4	ARCHITECTURE AND RELATED SERVICES
5	AREA, ETHNIC, CULTURAL, AND GENDER STUDIES
9	COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS
10	COMMUNICATIONS TECHNOLOGIES/TECHNICIANS AND SUPPORT SERVICES
11	COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES
12	PERSONAL AND CULINARY SERVICES
13	EDUCATION
14	ENGINEERING
15	ENGINEERING TECHNOLOGIES/TECHNICIANS
16	FOREIGN LANGUAGES, LITERATURES, AND LINGUISTICS
19	FAMILY AND CONSUMER SCIENCES/HUMAN SCIENCES
21	TECHNOLOGY EDUCATION/INDUSTRIAL ARTS
22	LEGAL PROFESSIONS AND STUDIES
23	ENGLISH LANGUAGE AND LITERATURE/LETTERS
24	LIBERAL ARTS AND SCIENCES, GENERAL STUDIES AND HUMANITIES
25	LIBRARY SCIENCE
26	BIOLOGICAL AND BIOMEDICAL SCIENCES
27	MATHEMATICS AND STATISTICS
28	RESERVE OFFICER TRAINING CORPS (JROTC, ROTC)
29	MILITARY TECHNOLOGIES
30	MULTI/INTERDISCIPLINARY STUDIES
31	PARKS, RECREATION, LEISURE, AND FITNESS STUDIES
32	BASIC SKILLS
33	CITIZENSHIP ACTIVITIES
34	HEALTH-RELATED KNOWLEDGE AND SKILLS
35	INTERPERSONAL AND SOCIAL SKILLS
36	LEISURE AND RECREATIONAL ACTIVITIES
37	PERSONAL AWARENESS AND SELF-IMPROVEMENT
38	PHILOSOPHY AND RELIGIOUS STUDIES
39	THEOLOGY AND RELIGIOUS VOCATIONS
40	PHYSICAL SCIENCES
41	SCIENCE TECHNOLOGIES/TECHNICIANS
42	PSYCHOLOGY
43	SECURITY AND PROTECTIVE SERVICES
44	PUBLIC ADMINISTRATION AND SOCIAL SERVICE PROFESSIONS
45	SOCIAL SCIENCES
46	CONSTRUCTION TRADES
47	MECHANIC AND REPAIR TECHNOLOGIES/TECHNICIANS
48	PRECISION PRODUCTION
49	TRANSPORTATION AND MATERIALS MOVING
50	VISUAL AND PERFORMING ARTS
51	HEALTH PROFESSIONS AND RELATED CLINICAL SCIENCES
52	BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
53	HIGH SCHOOL/SECONDARY DIPLOMAS AND CERTIFICATES
54	HISTORY
60	RESIDENCY PROGRAMS



Wrap Up





Thank You!

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