



Designation: E 1668 – 95a (Reapproved 1999)

An American National Standard

Standard Classification for Serviceability of an Office Facility for Amenities to Attract and Retain Staff^{1,2}

This standard is issued under the fixed designation E 1668; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This classification contains pairs of scales for classifying an aspect of the serviceability of an office facility, that is, the capability of an office facility to meet certain possible requirements in support of recruiting and keeping quality employees.

1.2 Within that aspect of serviceability, each pair of scales, shown in Figs. 1-6, are for classifying one topic of serviceability. Each paragraph in an Occupant Requirement Scale (see Figs. 1-6) summarizes one level of serviceability on that topic, which occupants might require. The matching entry in the Facility Rating Scale (see Figs. 1-6) is a translation of the requirement into a description of certain features of a facility which, taken in combination, indicate that the facility is likely to meet that level of required serviceability.

1.3 The entries in the Facility Rating Scale (see Figs. 1-6) are indicative and not comprehensive. They are for quick scanning to estimate approximately, quickly, and economically, how well an office facility is likely to meet the needs of one or another type of occupant group over time. The entries are not for measuring, knowing, or evaluating how an office facility is performing.

1.4 This classification can be used to estimate the level of serviceability of an existing facility. It can also be used to estimate the serviceability of a facility that has been planned but not yet built, such as one for which single-line drawings and outline specifications have been prepared.

1.5 This classification indicates what would cause a facility to be rated at a certain level of serviceability but does not state how to conduct a serviceability rating nor how to assign a

serviceability score. That information is found in Practice E 1334. The scales in this classification are complimentary to and compatible with Practice E 1334. Each requires the other.

2. Referenced Documents

2.1 ASTM Standards:

E 631 Terminology of Building Constructions³

E 1334 Practice for Rating Serviceability of a Building or Building-Related Facility³

E 1679 Practice for Setting Requirements for Serviceability of a Building or Building-Related Facility³

2.2 ISO Document:⁴

ISO 6240 International Standard, Performance Standards in Building—Contents and Presentation

3. Terminology

3.1 Definitions:

3.1.1 *facility*—a physical setting used to serve a specific purpose.

3.1.1.1 *Discussion*—A facility may be within a building, a whole building, or a building with its site and surrounding environment; or it may be a construction that is not a building. The term encompasses both the physical object and its use (see Terminology E 631).

3.1.2 *facility serviceability*—the capability of a facility to perform the function(s) for which it is designed, used, or required to be used.

3.1.2.1 *Discussion*—The scope of this performance is of the facility as a system, including its subsystems, components and materials and their interactions, such as acoustical, hydrothermal, air purity, and economic; and of the relative importance of each performance requirement (see Terminology E 631).

3.1.3 *office*—a place, such as a room, suite, or building, in which business, clerical or professional activities are conducted (see Terminology E 631).

¹ This classification is under the jurisdiction of ASTM Committee E-6 on Performance of Buildings and is the direct responsibility of Subcommittee E06.25 on Whole Buildings and Facilities.

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² Portions of this document are based on material originally prepared by the International Centre for Facilities (ICF) and © 1993 by ICF and Minister of Public Works and Government Services Canada. Their cooperation in the development of this standard is acknowledged.

³ *Annual Book of ASTM Standards*, Vol 04.11.

⁴ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.



A.12. Amenities to Attract and Retain Staff

Scale A.12.1. Food

Occupant Requirement Scale	Facility Rating Scale
9 ☐ FOOD FACILITY IN THE BUILDING: Require canteen or restaurant hot food service, or lunchroom with a kitchen on each floor or major wing of the building. FOOD FACILITIES IN THE NEIGHBOURHOOD: A wide choice of excellent food facilities in the neighbourhood. 8 ☐ 7 ☐ FOOD FACILITY IN THE BUILDING: Require a well ventilated lunchroom with a kitchen or small canteen or cafeteria, or potential for same at a moderate installation cost. FOOD FACILITIES IN THE NEIGHBOURHOOD: A good choice of average and good quality food facilities in the neighbourhood. 6 ☐ 5 ☐ FOOD FACILITY IN THE BUILDING: Require lunchroom(s) with vending machines, or prepared to install canteen service or a lunchroom with a kitchen, even at a high cost. FOOD FACILITIES IN THE NEIGHBOURHOOD: A choice of average and good quality food facilities in the neighbourhood. 4 ☐ 3 ☐ FOOD FACILITY IN THE BUILDING: Minimal need for food services at the facility. FOOD FACILITIES IN THE NEIGHBOURHOOD: Minimal need for food services in the neighbourhood. 2 ☐	9 ☐ On-site service: Restaurant or canteen hot food service is available in the building or complex, without going outside; or, a lunchroom with a kitchen is available on each floor or major wing of the building. Potential for on-site service: If restaurant or canteen hot food service is not provided, then space and mechanical services to provide it are well located, with commercial potential, and have the capability for full hot food services. Installation costs would be moderate. Structure has sufficient load capacity at those locations for commercial kitchen equipment and unit chiller boxes, e.g. minimum of 4.8 KPa/m² live load (100 lbs/ft²). Neighbourhood facilities: Many choices of food service operations are available in the neighbourhood, some of excellent quality. 7 ☐ On-site service: There is an existing lunchroom with a kitchen or modest canteen/cafeteria service, fully exhaust vented to the outside, or, occupants who require it have their own lunchroom. Potential for on-site service: Space and mechanical services have the capability for a lunchroom with kitchen facilities, or small canteen/restaurant service. Installation costs are moderate. Structure has sufficient load capacity at those locations for canteen kitchen equipment, but not for large ranges or unit chiller boxes. Neighbourhood facilities: A good choice and good quality of food facilities are available in the neighbourhood. 5 ☐ On-site service: The existing lunchroom(s) has vending machines that do not require waste-water plumbing connections. There is no kitchen. Lunchrooms have neither plumbing capacity nor exhaust ventilation to the outside. Potential for on-site service: Space and services have the capability to add a kitchen and ventilation for canteen/cafeteria service, or a lunchroom with a kitchen or small cafeteria. Installation costs would be high. Potential locations do not have extra floor load capacity. Neighbourhood facilities: A good choice and average quality of food facilities are available in the neighbourhood. 3 ☐ Potential for on-site service: No food service or lunchroom is provided. Neighbourhood facilities: A limited choice and average quality of food facilities are available in the neighbourhood, but are not convenient.

Scale A.12.1 continued on next page

FIG. 1 Scale A.12.1 for Food



A.12. Amenities to Attract and Retain Staff

Scale A.12.1. Food (continued)

Occupant Requirement Scale	Facility Rating Scale
1 ☐ FOOD FACILITY IN THE BUILDING: No food services required, and no foreseeable need.	1 ☐ Potential for on-site service: No food service or lunchroom is provided on-site. It is not possible for each organizational unit to provide its own facilities, e.g. additional plumbing is not possible. ☐ Neighbourhood facilities: A very limited choice and poor quality of food facilities are available in the neighbourhood.

☐ Exceptionally important. ☐ Important. ☐ Minor Importance.
Minimum Threshold level = ☐ NA ☐ NR ☐ Zero ☐ DP

NOTES Space for handwritten notes on Requirements or Ratings

FIG. 1 Scale A.12.1 for Food (continued)

3.1.4 For standard definitions of additional terms applicable to this classification, see Terminology E 631.

4. Significance and Use

4.1 Each Facility Rating Scale (see Figs. 1-6) in this classification provides a means to estimate the level of serviceability of a building or facility for one topic of serviceability and to compare that level against the level of any other building or facility.

4.2 This classification can be used for comparing how well different buildings or facilities meet a particular requirement for serviceability. It is applicable despite differences such as location, structure, mechanical systems, age, and building shape.

4.3 This classification can be used to estimate the amount of variance of serviceability from target or from requirement, for a single office facility, or within a group of office facilities.

4.4 This classification can be used to estimate the following:

4.4.1 Serviceability of an existing facility for uses other than its present use.

4.4.2 Serviceability (potential) of a facility that has been planned but not yet built.

4.4.3 Serviceability (potential) of a facility for which re-modeling has been planned.

4.5 Use of this classification does not result in building evaluation or diagnosis. Building evaluation or diagnosis generally requires a special expertise in building engineering or technology and the use of instruments, tools, or measurements.

4.6 This classification applies only to facilities that are building constructions, or parts thereof. (While this classification may be useful in rating the serviceability of facilities that are not building constructions, such facilities are outside the scope of this classification.)

4.7 This classification is not intended for, and is not suitable for, use for regulatory purposes, nor for fire hazard assessment nor for fire risk assessment.

5. Basis of Classification

5.1 The scales in Figs. 1-6 contain the basis for classification.

5.2 Instructions for the use of this classification are contained in Practices E 1334 and E 1679.

6. Keywords

6.1 amenities; to attract and retain staff; building; facility; facility occupants; function; office; performance; rating; rating scale; requirements; serviceability