



Designation: ~~E2018–08~~ E2018 – 15

Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process¹

This standard is issued under the fixed designation E2018; 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 *Purpose*—The purpose of this guide is to define good commercial and customary practice in the United States of America for conducting a baseline *property condition assessment* (PCA) of the improvements located on a parcel of commercial real estate by performing a walk-through survey and conducting research as outlined within this guide.

1.1.1 *Physical Deficiencies*—In defining good commercial and customary practice for conducting a baseline PCA, the goal is to identify and communicate physical deficiencies to a user. The term *physical deficiencies* means ~~includes~~ the presence of conspicuous defects ~~or~~ and material deferred maintenance of a subject property's material systems, components, or equipment as observed during ~~the field observer's walk-through survey.~~ completion of the PCA. This definition specifically excludes deficiencies that may be remedied with routine maintenance, miscellaneous minor repairs, normal operating maintenance, etc., and excludes de minimis conditions that generally do not present material physical deficiencies of the subject property.

1.1.2 *Walk-Through Survey*—This guide outlines procedures for conducting a walk-through survey to identify the subject property's physical deficiencies, and recommends various systems, components, and equipment that should be observed by the field observer and reported in the *property condition report* (PCR).

1.1.3 *Document Reviews and Interviews*—The scope of this guide includes document reviews, research, and interviews to augment the walk-through survey so as to assist the consultant's understanding of the subject property and identification of physical deficiencies.

1.1.4 *Property Condition Report*—The work product resulting from completing a PCA in accordance with this guide is a Property Condition Report (PCR). The PCR incorporates the information obtained during the Walk-Through Survey, the Document Review and Interviews sections of this guide, and includes ~~Probable~~ Costs for suggested remedies of the physical deficiencies identified.

1.2 *Objectives*—Objectives in the development of this guide are to: (1) define good commercial and customary practice for the PCA of primary commercial real estate improvements; (2) facilitate consistent and pertinent content in PCRs; (3) develop pragmatic and reasonable recommendations and expectations for site observations, document reviews and research associated with conducting PCAs and preparing PCRs; (4) establish reasonable expectations for PCRs; (5) assist in developing an industry baseline standard of care for appropriate observations and research; and (6) recommend protocols for consultants for communicating observations, opinions, and recommendations in a manner meaningful to the user.

1.3 *Considerations Beyond Scope*—The use of this guide is strictly limited to the scope set forth in this section. Section 11 and Appendix X1 of this guide identify, for informational purposes, certain physical conditions that may exist on the subject property, and certain activities or procedures (not an all inclusive list) that are beyond the scope of this guide but may warrant consideration by parties to a commercial real estate transaction to enhance the PCA.

1.4 *Organization of This Guide*—This guide consists of several sections, an Annex and two (2) Appendixes. Section 1 is the Scope. Section 2 on Terminology contains definitions of terms both unique to this guide and not unique to this guide, and acronyms. Section 3 sets out the Significance and Use of this guide, and Section 4 describes the User's Responsibilities. Sections 5 through 10 provide guidelines for the main body of the PCR, including the scope of the Walk-Through Survey, preparation of the Opinions of ~~Probable~~ Costs to Remedy Physical Deficiencies, and preparation of the PCR. Section 11 provides additional information regarding out of scope considerations (see 1.3). Annex A1 provides requirements relating to specific asset types, and where applicable, such requirements are to be considered as if integral to this guide. Appendix X1 provides the user with additional

¹ This guide is under the jurisdiction of ASTM Committee E50 on Environmental Assessment, Risk Management and Corrective Action and is the direct responsibility of Subcommittee E50.02 on Real Estate Assessment and Management.

Current edition approved July 1, 2008; Aug. 15, 2015. Published July 2008; November 2015. Originally approved in 1999. Last previous edition approved in 2004; 2008 as E2018–01; E2018–08. DOI: 10.1520/E2018-08; 10.1520/E2018-15.

PCA scope considerations, whereby a user may increase this guide’s scope of due diligence to be exercised by the consultant beyond this guide’s baseline level. [Appendix X2](#) outlines and [Appendix X3](#) outline the ADA approach to Accessibility Survey Surveys.

1.5 *Multiple Buildings*—Should the subject property consist of multiple buildings, it is the intent of this guide that only a single PCR be produced by the consultant to report on all of the primary commercial real estate improvements.

1.6 *Safety Concerns*—This guide does not purport to address all of the safety concerns, if any, associated with the walk-through survey. It is the responsibility of the consultant using this guide to establish appropriate safety and health practices when conducting a PCA.

TABLE OF CONTENTS

1	Scope	
	1.1	Purpose
	1.2	Objectives
	1.3	Considerations Beyond Scope
	1.4	Organization of This Guide
	1.5	Multiple Buildings
	1.6	Safety Concerns
2	Terminology	
	2.2	Definitions
	2.3	Definitions of Terms Specific to This Standard
	2.4	Abbreviations and Acronyms
3	Significance and Use	
	3.1	Use
	3.2	Clarification of Use
	3.3	Who May Conduct
	3.4	Principles
	3.5	Prior PCR Usage
	3.6	Rules of Engagement
4	User’s Responsibilities	
	4.1	Access
	4.2	User Disclosure
5	Property Condition Assessment	
	5.1	Objective
	5.2	PCA Components
	5.3	Coordination of Components
	5.4	Consultant’s Duties
6	The Consultant	
	6.1	Qualifications of the Consultant
	6.2	Staffing of the Field Observer
	6.3	Independence of the Consultant
	6.4	Qualifications of the Field Observer
	6.5	Qualifications of the PCR Reviewer
	6.6	The Field Observer and PCR Reviewer May Be a Single Individual
	6.7	Not a Professional Architecture or Engineering Service
	6.7	Not a Professional Architectural or Engineering Service
7	Document Review and Interviews	
	7.1	Objective
	7.2	Reliance
	7.3	Accuracy and Completeness
	7.4	Government Agency Provided Information
	7.5	Pre-Survey Questionnaire
	7.6	Owner/User Provided Documentation and Information
	7.7	Interviews
8	Walk-Through Survey	
	8.1	Objective
	8.2	Frequency
	8.3	Photographs
	8.4	Scope
	8.5	Additional Considerations
9	Opinions of Probable Costs to Remedy Physical Deficiencies	
9	Opinions of Costs to Remedy Physical Deficiencies	
	9.1	Purpose
	9.2	Scope
	9.3	Opinions of Probable Costs Attributes
	9.3	Opinions of Costs Attributes
10	Property Condition Report	
	10.1	Format
	10.2	Writing Protocols
	10.3	Documentation
	10.4	Credentials
	10.5	Executive Summary
	10.6	Purpose and Scope
	10.7	Walk-Through Survey
	10.8	Document Reviews and Interviews

	10.9	Additional Considerations
	10.10	Opinions of Probable Costs
	10.10	Opinions of Costs
	10.11	Qualifications
	10.12	Limiting Conditions
	10.13	Exhibits
11	Out of Scope Considerations	
	11.1	Activity Exclusions
	11.2	Warranty, Guarantee, and Code Compliance Exclusions
	11.3	Additional/General Considerations
12	Keywords	
Annex A1		
Annex A1		
A1		
		<u>GUIDANCE AND ENHANCED DUE DILIGENCE SERVICES</u>
	A1.1	Multifamily Properties
	A1.2	Commercial Office Buildings
	A1.3	Retail Buildings
Appendix X1		
Appendix X1		
X1		
		<u>GUIDANCE AND ENHANCED DUE DILIGENCE SERVICES</u>
	X1.1	Qualifications
	X1.2	Verification of Measurements and Quantities
	X1.3	Research
	X1.4	Flood Plain Designation
	X1.5	Recommended Table of Contents
Appendix X2		
Appendix X2		
X2		
		<u>AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY SURVEY</u>
	X2.1	Overview of The Americans with Disabilities Act
	X2.2	Overview of the Americans with Disabilities Act Accessibility Guidelines (ADAAG)
Appendix X3		
Appendix X3		
X3		
		<u>FAIR HOUSING ACT (FHA) ACCESSIBILITY SURVEY</u>
	X2.3	Variable Levels of Due Diligence
	X2.4	Definitions of Terms Specific to Understanding the Americans with Disabilities Act
	X2.5	Presentation of Opinions of Probable Costs
	X2.6	Tier I: Visual Accessibility Survey
	X2.7	Tier II: Abbreviated Accessibility Survey
	X2.8	Tier III: Full Accessibility Survey

2. Terminology

2.1 This section provides definitions, descriptions of terms, and a list of acronyms, where applicable, for the words used in this guide. The terms are an integral part of the guide and are critical to an understanding of this guide and its use.

2.2 Definitions:

2.2.1 *architect, n*—designation reserved by law for a person professionally qualified, examined, and registered by the appropriate governmental board having jurisdiction, to perform architectural services including, but not limited to, analysis of project requirements and conditions, development of project design, production of construction drawings and specifications, and administration of construction contracts. ~~services.~~

2.2.2 *architecture, n*—professional services conducted by an architect in connection with the design and construction of buildings, or built environments

2.2.3 *building codes, n*—rules and regulations adopted by the governmental authority having jurisdiction over the commercial real estate, which govern the design, construction, alteration, and repair of such commercial real estate. ~~In some jurisdictions, trade or industry standards may have been incorporated into, and made a part of, such building codes by the governmental authority. Building codes are interpreted to include structural, HVAC, plumbing, electrical, life-safety, fire, health, and vertical transportation codes.~~

2.2.4 *building department records, n*—records maintained by or in possession of the local government authority with jurisdiction over the construction, alteration, use, or demolition of improvements on the subject property, ~~and that are readily available for use by the consultant within the time frame required for production of the PCR and are practically reviewable by exercising appropriate inquiry. property.~~ Building department records also may include building code violation notices. ~~Often, building department records are located in the building department of a municipality or county, or available online.~~

2.2.5 *building systems, n*—interacting or independent components or assemblies, which form single integrated units that comprise a building and its site work, such as, pavement and flatwork, structural frame, roofing, exterior walls, plumbing, HVAC, electrical, etc.

2.2.6 *component, n*—a fully functional portion of a building system, piece of equipment, or building element.

2.2.7 *dismantling*, *n*—to take apart, move, or remove any component, device, or piece of equipment that is bolted, screwed, held in-place (mechanically or by gravity), secured, or fastened by other means.

2.2.8 *engineer*, *n*—designation reserved by law for a person professionally qualified, examined, and licensed by the appropriate governmental board having jurisdiction, to perform engineering services.

2.2.9 *engineering*, *n*—analysis or design work conducted by an engineer requiring extensive formal education, preparation, and experience in the use of mathematics, chemistry, physics, and the engineering sciences.

2.2.10 *fire department records*, *n*—records maintained by or in the possession of the local fire department ~~in the area in which the subject property is located. These records should be practically reviewable and readily accessible for use by the consultant by exercising an appropriate inquiry within the time frame required for production of the PCR.~~ having jurisdiction over the subject property.

2.2.11 *guide*, *n*—a series of options and instructions that do not recommend a specific course of action.

2.2.12 *interviews*, *n*—discussions with those knowledgeable about the subject property.

2.2.13 *material*, *adj*—having significant importance or great consequence ~~to the subject property's intended use or physical condition.~~ consequence.

2.2.14 *practice*, *n*—a definitive procedure for performing one or more specific operations or functions that does not produce a test result.

2.2.15 *publicly available*, *adj*—the source of the information allows access to the information by anyone upon request.

2.2.16 *recreational facilities*, *n*—facilities for exercise, entertainment or athletics including, without limitation, swimming pools, spas, saunas, steam baths, tennis, volleyball, or basketball courts; jogging, walking, or bicycle paths; and playground equipment.

2.2.17 *structural frame*, *n*—the components or building system that supports the building's nonvariable forces or weights (dead loads) and variable forces or weights (live loads).

2.2.18 *standard*, *n*—~~as Where used by ASTM, in reference a to ASTM documents, a standard is a document that has been developed and established within the consensus principles of the Society ASTM International and that meets the approval of the ASTM applicable procedures and regulations. The term is otherwise used as commonly defined.~~

2.2.19 *system*, *n*—a combination of interacting or interdependent components assembled to carry out one or more functions.

2.3 *Definitions of Terms Specific to This Standard:*

2.3.1 *actual knowledge*, *n*—the knowledge possessed by an individual rather than an entity. Actual knowledge, as used in this guide, is to be distinguished from knowledge provided by others, or information contained on documents obtained during the course of conducting a PCA.

2.3.2 *appropriate inquiry*, *n*—a request for information conducted by Freedom of Information Letter (FOIL), verbal request, or by other written request made either by fax, electronic mail, overnight courier, or U.S. mail. *Appropriate inquiry* includes a good-faith effort conducted by the consultant to obtain the information considering the time constraints to prepare and deliver the PCR.

2.3.3 *base building*, *n*—the core (common areas) and shell of the building and its systems that typically are not subject to improvements to suit tenant requirements.

2.3.4 *baseline*, *n*—the minimum level of observations, due diligence, inquiry/research, documentation review, and preparation of opinions of ~~probable~~ costs to remedy material physical deficiencies for conducting a PCA as described in this guide.

2.3.5 *building envelope*, *n*—the enclosure of the building that protects the building's interior from outside elements, namely the exterior walls, roof and soffit areas.

2.3.6 *commercial real estate*, *n*—improved real property, except a dwelling or property with four or less dwelling units exclusively for residential use. This term includes, but is not limited to, improved real property used for industrial, retail, office, hospitality, agriculture, other commercial, medical, or educational purposes; property used for residential purposes that has more than four residential dwelling units; and property with four or less dwelling units for residential use when it has a commercial function, as in the operation of such dwellings for profit.

2.3.7 *commercial real estate transaction*, *n*— a transfer of title to or possession of improved real property or receipt of a security interest in improved real property, except that it does not include transfer of title to or possession of improved real property with respect to an individual dwelling or building containing four or less dwelling units.

2.3.8 *consultant*, *n*—the entity or individual that ~~prepares the PCR and that is responsible for the observance of and reporting on the physical condition of commercial real estate in accordance with this guide. The consultant generally is an independent contractor; however, the consultant may be an employee of the user. The consultant may be an individual that is both the field observer and PCR reviewer as described in Section~~ completion of the PCR. 6.

2.3.9 *dangerous or adverse conditions*, *n*— conditions that may pose a threat or possible injury to the field observer, and which may require the use of special protective clothing, safety equipment, access equipment, or any other precautionary measures.

2.3.10 *de minimis condition*—~~a description of deficiencies that are~~ physical deficiency that is not material to the condition of the property or do not require significant costs to correct, but nevertheless may be noted in the PCR, in the opinion of the field observer or PCR reviewer. ~~conclusions of the report.~~

2.3.11 *deferred maintenance, n*—physical deficiencies that could have been remedied with routine maintenance, normal operating maintenance, etc., excluding *de minimis* conditions that generally do not present a material physical deficiency to the subject property.

2.3.12 *due diligence, n*—~~the process of conducting a walk-through survey and appropriate inquiries into an investigation of the physical condition of a commercial real estate’s improvements, usually subject property in connection with a commercial real estate transaction. The degree and type of such survey and inquiry~~ the investigation may vary for different properties, different user purposes, and time allotted.

2.3.13 *easily visible, adj*—describes items, components, and systems that are conspicuous, patent, and which may be observed visually during the walk-through survey without: intrusion, relocation or removal of materials, exploratory probing, use of special protective clothing, or use of any equipment (hand tools, meters of any kind, telescope instruments, stools, ladders, lighting devices, etc.).

2.3.14 *effective age, n*—the estimated age of a building component that considers actual age as affected by maintenance history, location, weather conditions, and other factors. Effective age may be more or less than actual age.

2.3.15 *expected useful life (EUL), n*—the average amount of time in years that an item, component or system is estimated to function without material repair when installed new and assuming routine maintenance is practiced.

2.3.16 *field observer, n*—the individual that conducts the walk-through survey.

2.3.17 *immediate costs, n*—opinions of ~~probable~~ costs that require immediate action as a result of any of the following: (1) material existing or ~~potential~~ potentially unsafe conditions, (2) material building or fire code violations, or (3) ~~conditions~~ physical deficiencies that if left ~~uncorrected~~, have the potential ~~uncorrected would be expected to result in or contribute to critical element or system failure within one year or will result most probably in a significant escalation of its remedial cost.~~

2.3.18 *observation, n*—the visual survey of items, systems, conditions, or components that are readily accessible and easily visible during a walk-through survey of the subject property.

2.3.19 *observe, v*—to conduct an observation pursuant to this guide within the context of easily visible and readily accessible.

2.3.20 *obvious, adj*—plain, evident, and readily accessible; a condition easily visible or fact not likely to be ignored or overlooked by a field observer when conducting a walk-through survey or that which is practically reviewable and would be understood easily by a person conducting the PCA.

2.3.21 *opinions of probable costs, n*—~~determination of a preliminary budget to remedy a physical deficiency.~~ opinion of costs that may be encountered in correction of physical deficiencies.

2.3.22 *owner, n*—the entity holding the title to the commercial real estate that is the subject of the PCA.

2.3.23 *PCR reviewer, n*—the individual that both exercises responsible control over the field observer and who reviews the PCR prior to delivery to the user.

2.3.24 *physical condition, n*—the physical state of a property, system, component or piece of equipment. Within the context of the assessment, the consultant may offer opinions of the physical condition of the property, or of systems, components and equipment observed. Such opinions commonly employ terms such as good, fair and poor; though additional terms such as excellent, satisfactory and unsatisfactory may also be used.

2.3.24.1 *good condition*—in working condition and does not require immediate or short term repairs above an agreed threshold*

2.3.24.2 *fair condition*—in working condition, but may require immediate or short term repairs above an agreed threshold*

2.3.24.3 *poor condition*—not in working condition or requires immediate or short term repairs substantially above an agreed threshold*

2.3.24.4 *Discussion*—

*The agreed threshold is presumed to be the *de minimis* reporting threshold unless otherwise specified.

2.3.24.5 *Discussion*—

Where used to describe the physical condition of a property, system, component or piece of equipment, the terms good, fair and poor shall have the following meaning: Where used to describe the physical condition of a property or system, the opinion is intended to reflect predominant condition of the property or system. For example, an air conditioning system may be in good condition despite a requirement to replace a limited number of units. Alternatively, a range of conditions may be described by

combining terms such as “good to fair”, or “fair to poor.” Where conditions are not uniform, an explanation of the various disparate conditions shall be included in the report. Terms not defined above shall be defined in the report or agreement for services.

2.3.24.6 Discussion—

Terms not defined above shall be defined in the report or agreement for services.

~~2.3.25 *physical deficiency*, *n*—a conspicuous defect or significant deferred maintenance of a subject property’s material systems, components, or equipment as observed as a result of the field observer’s walk-through survey. Included within this definition are material life-safety/building code violations and material systems, components, or equipment that are approaching, have reached, or have exceeded their typical EUL or whose RUL should not be relied upon in view of actual or effective age, abuse, excessive wear and tear, exposure to the elements, lack of proper or routine maintenance, etc. This definition specifically excludes deficiencies that may be remedied with routine maintenance, miscellaneous minor repairs, normal operating maintenance, etc., and excludes de minimis conditions that generally do not constitute a material physical deficiency of the subject property.~~
completion of the PCA.

2.3.25.1 Discussion—

This definition specifically excludes deficiencies that may be remedied with routine maintenance, miscellaneous minor repairs, normal operating maintenance, etc., and excludes de minimis conditions that generally do not present material physical deficiencies of the subject property.

2.3.26 *Point of Contact (POC)*—owner, owner’s agent, or user-identified person or persons knowledgeable about the physical characteristics, maintenance, and repair of the subject property.

2.3.27 *practically reviewable*, *adj*—describes information that is provided by the source in a manner and form that, upon review, yields information relevant to the subject property without the need for significant analysis, measurements, or calculations. Records or information that feasibly cannot be retrieved by reference to the location of the subject property are not generally considered practically reviewable.

2.3.28 *primary commercial real estate improvements*, *n*—the site and building improvements that are of fundamental importance with respect to the commercial real estate. This definition specifically excludes ancillary structures, that may have been constructed to provide support uses such as maintenance sheds, security booths, utility garages, pool filter and equipment buildings, etc.

2.3.29 *property*, *n*—the site improvements, which are inclusive of both site work and buildings.

~~2.3.30 *property condition assessment (PCA)*, *v*—the process by which a person or entity observes a property, interviews sources, and reviews available documentation for the purpose of developing an opinion and preparing a PCR of a commercial real estate’s current physical condition. At the option of the user, a PCA may include a higher level of inquiry and due diligence than the baseline scope described within this guide or, at the user’s option, it may include a lower level of inquiry or due diligence than the baseline scope described in this guide. Such deviations from this guide’s scope should be disclosed in the PCR’s executive summary.~~
PCR.

~~2.3.31 *property condition report (PCR)*, *n*—a written report, prepared in accordance with the recommendations contained in this guide, that outlines the consultant’s observations, opinions as to the subject property’s condition, and opinions of probable costs to remedy the material physical deficiencies observed.~~
documenting the observations and opinions developed during completion of the assessment.

2.3.32 *readily accessible*, *adj*—describes areas of the subject property that are promptly made available for observation by the field observer at the time of the walk-through survey and do not require the removal or relocation of materials or personal property, such as furniture, floor, wall, or ceiling coverings; and that are safely accessible in the opinion of the field observer.

2.3.33 *readily available*, *adj*—describes information or records that are easily and promptly provided to the consultant upon making a request in compliance with an appropriate inquiry and without the need for the consultant to research archive files.

2.3.34 *reasonably ascertainable*, *adj*—describes information that is publicly available, as well as readily available, provided to the consultant’s offices from either its source or an information research/retrieval service within reasonable time, practically reviewable, and available at a nominal cost for either retrieval, reproduction or forwarding.

2.3.35 *remaining useful life (RUL)*, *n*—a subjective estimate based upon observations, or average estimates of similar items, components, or systems, or a combination thereof, of the number of remaining years that an item, component, or system is estimated to be able to function in accordance with its intended purpose before warranting replacement. Such period of time is affected by the initial quality of an item, component, or system, the quality of the initial installation, the quality and amount of preventive maintenance exercised, climatic conditions, extent of use, etc.

2.3.36 *representative observations, n*—observations of a reasonable number of samples of repetitive systems, components, areas, etc., which are conducted by the field observer during the walk-through survey. The concept of representative observations extends to all conditions, areas, equipment, components, systems, buildings, etc., to the extent that they are similar and representative of one another. ~~The extent of representative observations conducted by the field observers should be identified in the PCR. A user may increase the extent of representative observations conducted to enhance the due diligence conducted under the PCA or as required in the Annex.~~

2.3.37 *routine maintenance, n*—a repair that does not require specialized equipment, professional services, or contractors, but rather can be corrected within the budget and skill set of typical property maintenance staff.

2.3.38 *short-term costs, n*—opinions of ~~probable~~ costs to remedy physical deficiencies, such as deferred maintenance, that may not warrant immediate attention, but require repairs or replacements that should be undertaken on a priority basis in addition to routine preventive maintenance. ~~Such opinions of probable costs may include costs for testing, exploratory probing, and further analysis should this be deemed warranted by the consultant. The performance of such additional services are beyond this guide. Generally, the time frame for such repairs is within one to two years.~~

2.3.39 *shutdown, n—adj*—equipment, components, or systems that are not operating at the time of the field observer’s walk-through survey. ~~For instance, equipment, components, and systems that may be shutdown as a result of seasonal temperatures.~~

2.3.40 *site visit, n*—the visit to the subject property during which observations are made pursuant to the walk-through survey section of this guide.

2.3.41 *specialty consultants, n*—individuals or entities in the fields of life safety, security, engineering, or in any particular building component, equipment, or system that have acquired detailed, specialized knowledge and experience in the design, evaluation, operation, repair, or installation of same.

2.3.42 *subject building, n*—referring to the primary building or buildings on the subject property, and that are within the scope of PCA.

2.3.43 *subject property, n*—the commercial real estate consisting of the site and primary real estate improvements that are the subject of the PCA described by this guide.

2.3.44 *suggested remedy, n*—an opinion as to a course of action to remedy or repair a physical deficiency. Such an opinion may also be to conduct further research or testing for the purposes of discovery to gain a better understanding of the cause or extent of a physical deficiency (whether observed or highly probable) and the appropriate remedial or reparatory response. A suggested remedy may be preliminary and does not preclude alternate methods or schemes that may be more appropriate to remedy the physical deficiency or that may be more commensurate with the user’s requirements.

2.3.45 *survey, n*—observations made by the field observer during a walk-through survey to obtain information concerning the subject property’s readily accessible and easily visible components or systems.

2.3.46 *technically exhaustive, adj*—describes the use of measurements, instruments, testing, calculations, exploratory probing or discovery, or other means to discover, or a combination thereof, or troubleshoot physical deficiencies or develop architectural or engineering findings, conclusions, and recommendations, or combination thereof.

2.3.47 *timely access, n*—entry provided to the consultant at the time of the site visit.

2.3.48 *user, n*—the party that retains the consultant for the preparation of a ~~baseline PCA of the subject property in accordance with this guide. A user may include, without limitation, a purchaser, potential tenant, owner, existing or potential mortgagee, lender, or property manager of the subject property.~~ the PCA.

2.3.49 *walk-through survey, n*—conducted during the field observer’s site visit of the subject property, that consists of nonintrusive visual observations, survey of readily accessible, easily visible components and systems of the subject property. This survey is described fully in Section 8. Concealed physical deficiencies are excluded. It is the intent of this guide that such a survey should not be considered technically exhaustive. It excludes the operation of equipment by the field observer and is to be conducted without the aid of special protective clothing, exploratory probing, removal or relocation of materials, testing, or the use of equipment, such as ladders (except as required for roof access), stools, scaffolding, metering/testing equipment, or devices of any kind, etc. It is literally the field observer’s visual observations while walking through the subject property.

2.4 Abbreviations and Acronyms:

2.4.1 *ADA, n*—The Americans with Disabilities Act.

2.4.2 *ASTM, n*—ASTM International.

2.4.3 *BOMA, n*—Building Owners and Managers Association.

2.4.4 *BUR, n*—Built-up Roofing.

2.4.5 *EIFS, n*—Exterior Insulation and Finish System.

2.4.6 *EMF, n*—Electro Magnetic Fields.

- 2.4.7 *EMS*, *n*—Energy Management System.
- 2.4.8 *EUL*, *n*—Expected Useful Life.
- 2.4.9 *FEMA*, *n*—Federal Emergency Management Agency.
- 2.4.10 ~~*FFHA*~~, *FHA*, *n*—Federal Fair Housing Act.
- 2.4.11 *FIRMS*, *n*—Flood Insurance Rate Maps.
- 2.4.12 *FOIA*, *n*—U.S. Freedom of Information Act (5 USC 552 et seq.) and similar state statutes.
- 2.4.13 *FOIL*—Freedom of Information Letter.
- 2.4.14 *FM*—Factory Mutual.
- 2.4.15 *HVAC*—Heating, Ventilating and Air Conditioning.
- 2.4.16 *IAQ*—Indoor Air Quality.
- 2.4.17 *NFPA*—National Fire Protection Association.
- 2.4.18 *PCA*—Property Condition Assessment
- 2.4.19 *PCR*—Property Condition Report.
- 2.4.20 *PML*—Probable Maximum Loss.
- 2.4.21 *RTU*, *n*—Rooftop Unit.
- 2.4.22 *RUL*, *n*—Remaining Useful Life.
- 2.4.23 *STC*, *n*—Sound Transmission Class.

3. Significance and Use

3.1 *Use*—This guide is intended for use on a voluntary basis by parties who desire to obtain a baseline PCA of commercial real estate. This guide also recognizes that there are varying levels of property condition assessment and due diligence that can be exercised that are both more and less comprehensive than this guide, and that may be appropriate to meet the objectives of the user. Users should consider their requirements, the purpose that the PCA is to serve, and their risk tolerance level before selecting the consultant and the level of due diligence to be exercised by the consultant. The user should also review or establish the qualifications, or both, of the proposed field observer and PCR reviewer prior to engagement. A PCR should identify any deviations or exceptions to this guide. Furthermore, no implication is intended that use of this guide be required in order to have conducted a property condition assessment in a commercially prudent and reasonable manner. Nevertheless, this guide is intended to reflect a reasonable approach for the preparation of a baseline PCA.

3.2 *Clarification of Use:*

3.2.1 *Specific Point in Time*—A user should only rely on the PCR for the point in time at which the consultant’s observations and research were conducted.

3.2.2 *Site-Specific*—The PCA performed in accordance with this guide is site-specific in that it relates to the physical condition of real property improvements on a specific parcel of commercial real estate. Consequently, this guide does not address many additional issues in real estate transactions such as economic obsolescence, the purchase of business entities, or physical deficiencies relating to off-site conditions.

3.3 *Who May Conduct*—The walk-through survey portion of a PCA should be conducted by a field observer, and the PCR should be reviewed by a PCR reviewer; both qualified as suggested in ~~X1.1.1~~X1.1.1 and ~~X1.1.2~~X1.1.2, respectively.

3.4 *Principles*—The following principles are an integral part of this guide. They are intended to be referred to in resolving ambiguity, or in exercising discretion accorded the user or consultant in conducting a PCA, or in judging whether a user or consultant has conducted appropriate inquiry or has otherwise conducted an adequate PCA.

3.4.1 *Uncertainty Not Eliminated*—No PCA can wholly eliminate the uncertainty regarding the presence of physical deficiencies and the performance of a subject property’s building systems. Preparation of a PCR in accordance with this guide is intended to reduce, but not eliminate, the uncertainty regarding the potential for component or system failure and to reduce the potential that such component or system may not be initially observed. This guide also recognizes the inherent subjective nature of a consultant’s opinions as to such issues as workmanship, quality of original installation, and estimating the RUL of any given component or system. The guide recognizes a consultant’s suggested remedy may be determined under time constraints, formed without the aid of engineering calculations, testing, exploratory probing, the removal or relocation of materials, design, or other technically exhaustive means. Furthermore, there may be other alternative or more appropriate schemes or methods to remedy a physical deficiency. The consultant’s opinions generally are formed without detailed knowledge from those familiar with the component’s or system’s performance.

3.4.2 *Not Technically Exhaustive*—Appropriate due diligence according to this guide is not to be construed as technically exhaustive. There is a point at which the cost of information obtained or the time required to conduct the PCA and prepare the PCR may outweigh the usefulness of the information and, in fact, may be a material detriment to the orderly and timely completion

of a commercial real estate transaction. It is the intent of this guide to attempt to identify a balance between limiting the costs and time demands inherent in performing a PCA and reducing the uncertainty about unknown physical deficiencies resulting from completing additional inquiry.

3.4.3 Representative Observations—The purpose of conducting representative observations is to convey to the user the expected magnitude of commonly encountered or anticipated conditions. Recommended representative observation quantities for various asset types are provided in **Annex A1**; however, if in the field observer’s opinion such representative observations as presented in **Annex A1** are unwarranted as a result of homogeneity of the asset or other reasons deemed appropriate by the field observer, the field observer may survey sufficient units, areas, systems, buildings, etc. so as to comment with reasonable confidence as to the representative present condition of presence of physical deficiencies at such repetitive or similar areas, systems, buildings, etc. To the extent there is more than one building on the subject property, and they are homogeneous with respect to approximate age, use, basic design, materials, and systems, it is not a requirement of this guide for the field observer to conduct a walk-through survey of each individual building’s systems to describe or comment on their condition within the PCR. The descriptions and observations provided in the PCR are to be construed as representative of all similar improvements.

3.4.3.1 User-Mandated Representative Observations—A user may mandate the representative observations required for a given property or a particular building system. Such representative observations may be more or less than this guide’s recommended representative observations as provided in **Annex A1**.

3.4.3.2 Extrapolation of Findings—Consultant may reasonably extrapolate representative observations and findings to all typical areas or systems of the subject property for the purposes of describing such conditions within the PCR and preparing the opinions of probable costs for suggested remedy of material physical deficiencies.

3.4.4 Level of Due Diligence is Variable—Not every property will warrant the same level of property condition assessment. Consistent with good commercial and customary practice, the appropriate level of property condition assessment generally is guided by the purpose the PCA is to serve; type of property; age of the improvements; expertise and risk tolerance level of the user; and time available for preparing the PCR and reviewing the opinions to be contained in the PCR.

3.5 Prior PCR Usage—This guide recognizes that PCRs performed in accordance with this guide may include information that subsequent users and consultants may want to use to avoid duplication and to reduce cost. ~~therefore~~; Therefore, this guide includes procedures to assist users and consultants in determining the appropriateness of using such information. In addition to the specific procedures contained elsewhere in this guide, the following should be considered:

3.5.1 Use of Prior PCR Information—Information contained in prior property condition reports may be used by the consultant if, in the consultant’s opinion, it is relevant; however, users and consultants are cautioned that information from prior property condition reports should only be used if such information was generated or obtained through procedures or methods that met or exceeded those contained in this guide. Such information should serve only as an aid to a consultant in fulfilling the requirements of this guide and to assist the field observer in the walk-through survey, research, and the field observer’s understanding of the subject property. Furthermore, the PCR should identify the previously prepared property condition report if information from the prior report was used by the consultant in preparing the PCR.

3.5.2 Comparison with a Previously Prepared PCR—It should not be concluded or assumed that a previous PCR was deficient because the previous PCA did not discover a certain or particular physical deficiency, or because opinions of probable costs in the previous PCR are different. A PCR contains a representative indication of the property condition at the time of the walk-through survey and is dependent on the information available to the consultant at that time. Therefore, a PCR should be evaluated on the reasonableness of judgments made at the time and under the circumstances in which they are made. Experience of the field observer, the requirements of the previous PCR’s client or the purpose of the previous PCR, time available to the consultant to complete the PCR, hindsight, new or additional information, enhanced visibility as a result of improved weather or site conditions, equipment visibility as a result of improved weather or site conditions, equipment not in a shutdown mode, and other factors influence the PCA and the opinions contained in the PCR.

3.5.3 Conducting Current Walk-Through Surveys—Except as provided in **3.5.1**, prior property condition reports should not be used without verification. At a minimum, for a PCR to be consistent with this guide, a new walk-through survey, interviews, and solicitation and review of building and fire department records for recorded material violations should be performed.

3.5.4 Actual Knowledge Exception—If the user or consultant conducting a PCA has actual knowledge that the information from a prior property condition report is not accurate, or if it is obvious to the field observer that the information is not accurate, such information from a prior property condition report should not be used.

3.5.5 Contractual Issues—This guide recognizes that contractual and legal obligations may exist between prior and subsequent users of property condition reports, or between clients and consultants who prepared prior property condition reports, or both. Consideration of such contractual obligations is beyond the scope of this guide. Furthermore, a subsequent user of a prior PCR should be apprised that it may have been prepared for purposes other than the current desired purpose of the PCR and should determine the contractual purpose and scope of the prior PCR.

3.6 Rules of Engagement—The contractual and legal obligations between a consultant and a user (and other parties, if any) are outside the scope of this guide. No specific legal relationship between the consultant and the user was considered during the preparation of this guide.

4. User's Responsibilities

4.1 *Access*—User should arrange for the field observer to receive timely access, which is complete, supervised, and safe access to the subject property's improvements (including roofs). In addition, timely access to the subject property's POC, staff, vendors, and appropriate documents should be provided by owner, owner's representative, or made available by the user, or a combination thereof. In no event should the field observer seek access to any particular portion of the property, interview property management staff, vendors, or tenants, or review documents, if the owner, user, or occupant objects to such access or attempts to restrict the field observer from conducting any portion of the walk-through survey, research or interviews, or taking of photographs. Any conditions that significantly impede or restrict the field observer's walk-through survey or research, or the failure of the owner or occupant to provide timely access, information, or requested documentation should be timely communicated by the consultant to the user. If such conditions are not remedied, the consultant is obligated to state within the PCR all such material impediments that interfered with the conducting of the PCA in accordance with this guide.

4.2 *User Disclosure*—The user should disclose in a timely manner all appropriate information in the user's possession that may assist the consultant's efforts. The user should not withhold any pertinent information that may assist in identifying a material physical deficiency including, but not limited to, previously prepared property condition reports; any study specifically prepared on a system or component of the subject property; any knowledge of actual or purported physical deficiencies; or, any information such as pending proposals or costs to remedy known physical deficiencies.

5. Property Condition Assessment

5.1 *Objective*—The purpose of the PCA is to observe and report, to the extent feasible pursuant to the processes prescribed herein, on the physical condition of the subject property.

5.2 *PCA Components*—The PCA should have four components:

5.2.1 *Documentation Review and Interviews*; refer to Section 7.

5.2.2 *Walk-Through Survey*; refer to Section 8.

5.2.3 *Preparation of Opinions of Probable-Costs to Remedy Physical Deficiencies*; refer to Section 9.

5.2.4 *Property Condition Report*; refer to Section 10.

5.3 *Coordination of Components*:

5.3.1 *Components Used in Concert*—The Documentation Review, Interviews, and Walk-Through Survey components of this guide are interrelated in that information obtained from one component may either indicate the need for more information from another, or impact the consultant's findings, opinions, opinions of probable-costs, or recommendations, or a combination thereof.

5.3.2 *Information Provided by Others*—The consultant should note in the PCR the sources of information used by the consultant that were material in identifying any physical deficiencies of the subject property that were not readily observed by the consultant or that supplemented the consultant's observations.

5.4 *Consultant's Duties*:

5.4.1 *Who May Conduct Portions of the PCA*—The inquiries, interviews, walk-through survey, interpretation of the information upon which the PCR is based, the preparation of opinions of probable-costs, and the writing of the PCR are all tasks and portions of the PCA that may be performed by the consultant, field observer, members of the consultant's staff, or third party contractors engaged by the consultant.

5.4.2 *Responsibility for Lack of Information*—The consultant is not responsible for providing or obtaining information should the source contacted fail to respond, respond only in part, or fail to respond in a timely manner.

5.4.3 *Opinions of Probable-Costs Contingent on Further Discovery*—The consultant is not required to provide opinions of probable-costs to remedy physical deficiencies, which deficiencies that may require the opinions of specialty consultants or the results of testing, intrusive observations, exploratory probing, or further research to determine the cause of the physical deficiency and the appropriate remedy, scope, and scheme for repair or replacement unless user and consultant have agreed to such an expansion of the scope of work.

5.4.4 *Representative Observations*—The field observer is not expected to survey every recurring component or system during a walk-through survey. For example, it is not the intent to survey every RTU, balcony, window, roof, toilet room facility, utility closet, every square foot of roofing, etc. Only representative observations of such areas are to be surveyed. The concept of representative observations extends to all conditions, areas, equipment, components, systems, buildings, etc., to the extent that they are similar and representative of one another.

6. The Consultant

6.1 *Qualifications of the Consultant*—This guide recognizes that the competency of the consultant is highly dependent on many factors that may include professional education, training, experience, certification, or professional licensing/registration, of both the consultant's field observers and the PCR reviewer. It is the intent of this guide to identify factors that should be considered by the user when retaining a consultant to conduct a PCA and by the consultant in selecting the appropriate field observer and PCR reviewer. No standard can be designed to eliminate the role of professional judgment, competence, and the value and need for experience during the walk-through survey and to conduct the PCA. Consequently, the qualifications of the field observer and the