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BSI Standards Publication

Light and lighting — Commissioning of lighting systems in buildings

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National foreword

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Foreword

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This document was prepared by Technical Committee ISO/TC 274, *Light and lighting*.

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Introduction

Building users are demanding a better quality of visual environment while there is a need to reduce the impact on natural resources and minimize energy use from lighting. A successful control system design can help to deliver the correct quantity and quality of light where it is needed and when it is needed. The use of a well-designed, installed and commissioned control system can provide a high level of energy efficiency, support flexibility of use of a space and increase occupant satisfaction, especially when the controls are linked to the availability of daylight.

Commissioning is a quality-oriented process for achieving, verifying and documenting whether the performance of lighting systems and assemblies meets defined objectives and criteria. Potential benefits of the commissioning include:

— reduced energy consumption and operating costs;

— higher user acceptance and satisfaction;

— enhanced marketability and value of commercial property;

— full accountability by project participants for the quality of their work;

— verification that a lighting system performs as intended.

The purpose of this document is to identify the minimum requirements for commissioning of lighting systems, including roles and responsibilities (see Figure 1), commissioning activities, documentation requirements and system handover.

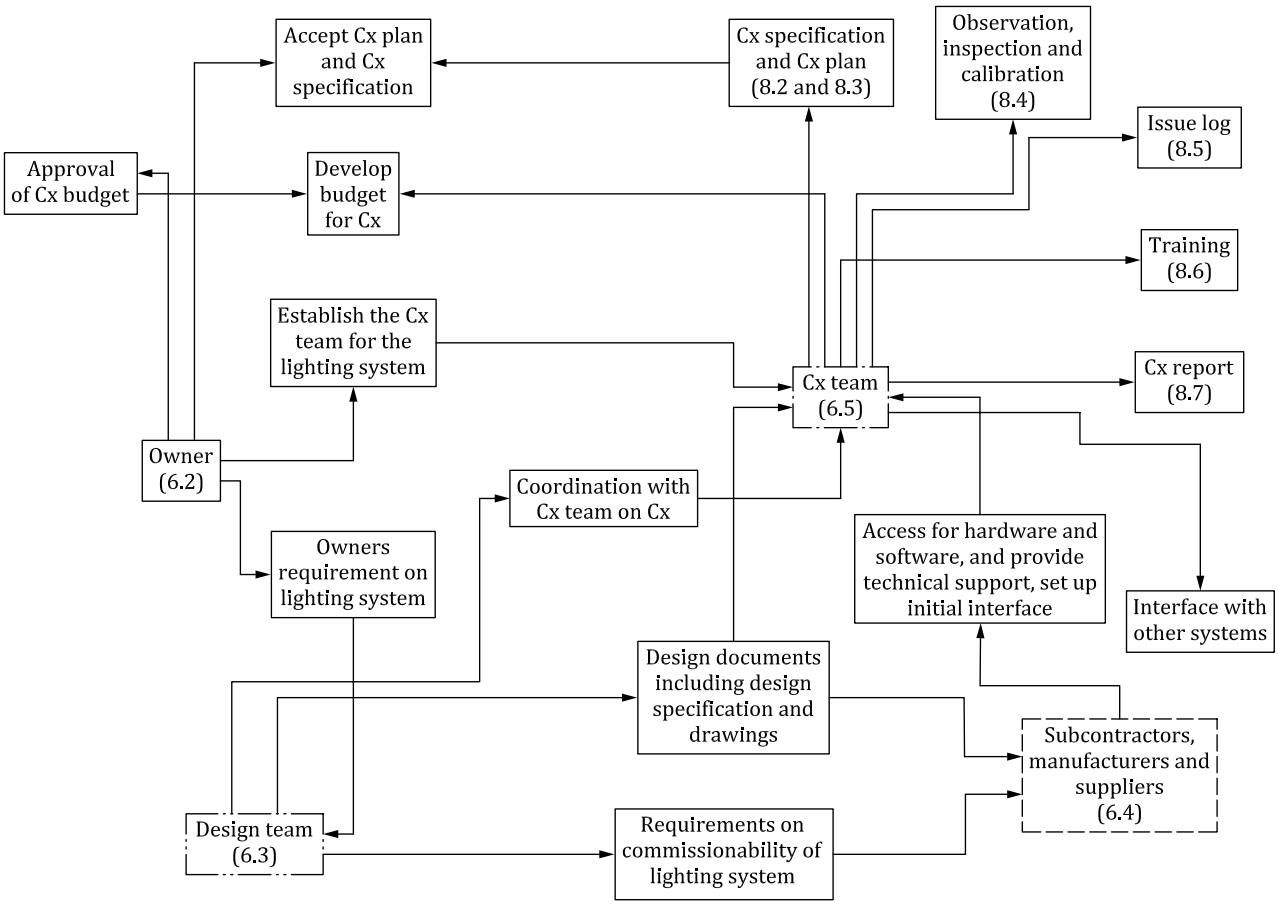

Figure 1 — Overview of roles and responsibilities during commissioning

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