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Light and lighting — Commissioning of lighting systems in buildings

*Lumière et éclairage — Mise en service des systèmes d'éclairage dans
les bâtiments*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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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.

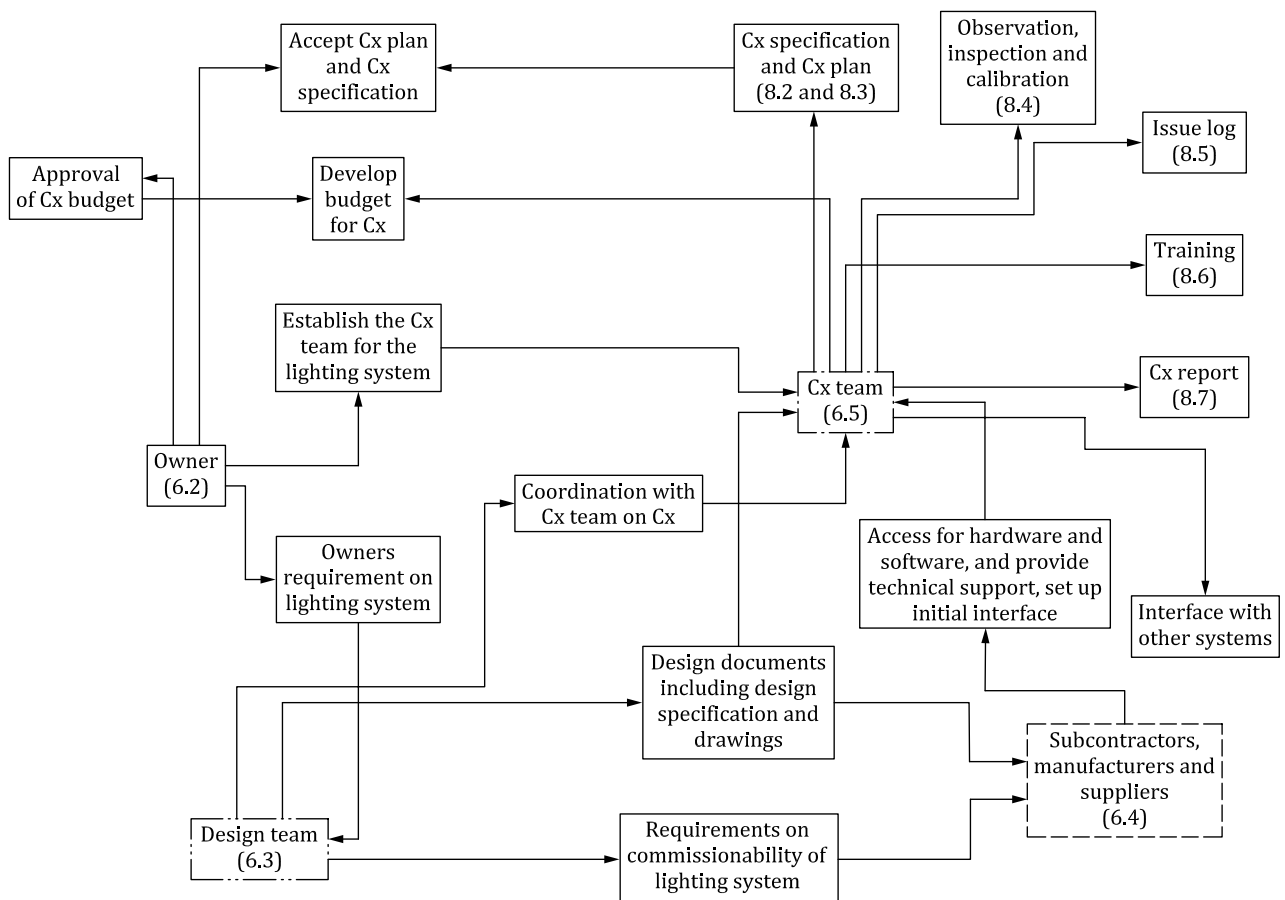


Figure 1 — Overview of roles and responsibilities during commissioning