KNOWLEDGE PROPOSAL

Proposer Name and Organisation:

Topic/ Title:

Date received:

1. Justification: Why is this guidance needed?
2. Format: What format will the guidance take?

|  |  |
| --- | --- |
| [ ]  | a traditional publication with words and diagrams to be produced for CIBSE’s Knowledge Delivery Platform, and in PDF |
| [ ]  | a data set |
| [ ]  | a digital tool or software application |
| [ ]  | something else (please elaborate) |

1. Content: If guidance, please list proposed chapter and section headings. If a data set, digital tool, software application, or something else, please detail your proposed plan.
2. Readership: Who is likely to read this guidance?
3. Authoring: Are authors in place? If so, please list them below.
4. Timescale: When would you expect to complete the project? Please provide a rough timeline.

Fees: Will authors require funding? If so, how much?

1. Landscape: Does any similar or complementary guidance exist, published by CIBSE or elsewhere?
2. **Collaboration**: Are there any organisations that may wish to be involved in the production of this guidance? (For example: membership organisations, trade associations, contractors, consultants, government departments).
3. Are there any organisations that may wish to sponsor the production financially?
4. Categorisation: CIBSE has created a taxonomy of building services, the Knowledge Matrix. On the following pages, please tick the topics and sub-topics that will be covered in this project.

**Topic:**

[ ]  Mechanical

[ ]  Heating

[ ]  Ventilation

[ ]  Refrigeration and air conditioning

[ ]  Extract/ exhaust systems

[ ]  Smoke control

[ ]  Pipeline distribution systems (natural gas, liquid fuels, medical gas, compressed air & vacuum)

[ ]  Electrical

[ ]  Extra low voltage

[ ]  Low voltage

[ ]  Medium voltage

[ ]  High voltage

[ ]  Local power generation & standby power

[ ]  Earthing & bonding/ Lightning protection

[ ]  Communications

[ ]  Audio-visual

[ ]  Electric vehicle charging

[ ]  Public Health

[ ]  Water

[ ]  Drainage

[ ]  Gas

[ ]  Lighting

[ ]  Daylight/ sunlight

[ ]  Electric lighting

[ ]  Lighting energy

[ ]  Fire safety

[ ]  Fire life safety

[ ]  Fire protection

[ ]  Fire detection

[ ]  Fire notification

[ ]  Building fabric

[ ]  Façades

[ ]  Access & maintenance

[ ]  Transportation systems in buildings

[ ]  Lifts

[ ]  Escalators

[ ]  Moving walks

[ ]  Stairlifts and lifting platforms

[ ]  Building intelligence

[ ]  Controls

[ ]  Smart buildings

[ ]  Security

[ ]  Physical security

[ ]  Security systems (access control, surveillance, intruder alarm)

[ ]  Cyber security

[ ]  Digital

[ ]  Building information modelling (BIM)

[ ]  Digital engineering

[ ]  Digital construction

[ ]  Sustainability & ESG

[ ]  Climate change mitigation

[ ]  Climate change adaptation

[ ]  Circular economy

[ ]  Biodiversity & natural capital

[ ]  Diversity & inclusion

[ ]  Social value

[ ]  Health, wellbeing and safety

Structure:

[ ]  Introduction of project

[ ]  Purpose (strategic/design context)

[ ]  Project management (inc info requirements)

[ ]  Drivers

[ ]  Commercial

[ ]  Contracts

[ ]  BIM

[ ]  Digital information management

[ ]  Fundamentals

[ ]  Physics

[ ]  Design conditions/ data

[ ]  Calculations and methods

[ ]  Sustainability (key considerations)

[ ]  Health, wellbeing and safety

[ ]  Retrofit and refurbishment

[ ]  Condition surveying

[ ]  Modification/ adaptation

[ ]  System selection

[ ]  Selection (regulations, best practice, finance, operational energy, whole-life carbon)

[ ]  Systems, plant, equipment (terminal equipment)

[ ]  Systems, plant, equipment (network level, central plant, distribution)

[ ]  System design principles

[ ]  System sizing

[ ]  System design conditions/ data

[ ]  System sizing calculations

[ ]  Health, wellbeing and safety

[ ]  Modern methods of construction

[ ]  Access and maintenance

[ ]  Construction

[ ]  Installation

[ ]  Modern methods of construction

[ ]  Health, wellbeing and safety

[ ]  Records (drawings, operation and maintenance)

[ ]  Controls

[ ]  Strategy

[ ]  Controls as specified, installed and commissioned

[ ]  Commissioning

[ ]  Plans

[ ]  Procedures

[ ]  Operation

[ ]  Facilities management

[ ]  Training

[ ]  Maintenance

[ ]  Health, wellbeing and safety

[ ]  Performance (energy, carbon, water)

[ ]  Performance (IEQ)

[ ]  End of life

[ ]  Reuse

[ ]  Repurpose

[ ]  Recycle

[ ]  Demolition

Building Type:

[ ]  **Residential**

[ ]  Single dwelling

[ ]  Multiple dwelling

[ ]  Non-residential

[ ]  Office

[ ]  Education

[ ]  Higher education

[ ]  Healthcare

[ ]  Retail

[ ]  Leisure

[ ]  Aviation

[ ]  Road and rail

[ ]  Government

[ ]  Industrial

[ ]  Logistics

[ ]  Data centre

[ ]  Heritage

[ ]  Defence

[ ]  Infrastructure

[ ]  Utilities

[ ]  Other

Intended Reader:

[ ]  Owner

[ ]  Occupier

[ ]  Designer

[ ]  Developer

[ ]  Constructor

[ ]  Installer

[ ]  Commissioning engineer

[ ]  Operator/ Facilities manager

[ ]  Manufacturer

[ ]  Apprentice

[ ]  Student

[ ]  Researcher

[ ]  Expert witness

[ ]  Other - please specify: