NBS and BREEAM

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Benefits of using NBS specification products

- Covers Building, Engineering and Landscape, provides technical accuracy, saves time and offers quality control.
- Extensive guidance is provided in relation to how to complete clauses, with example inserts.
- Can be used to create a traditional specification, performance specification or mix of both.
- Other features include facilities to set up user guidance, refer to manufacturers product information and specify by proprietary reference, set document permissions, manage revisions, and print using a number of options.

Why use BREEAM

- Provide recognition for low environmental impact buildings.
- Enable best environmental practice to be incorporated into a building project.
- Encourage and reward innovative solutions that minimise environmental impact.
- Set benchmarks that are higher than regulation.
- Help reduce running costs, improve working and living environments.
- Meet Planning requirements.
- Obtain financial assistance with projects.

Development - practical implications

• Shade, shelter, solar gain and glare can all be significantly enhanced (or minimised) by determining the optimum location and position of the development.

• Careful orientation can help maximise the potential use of solar water heating, photovoltaic energy collectors and natural ventilation stack systems.

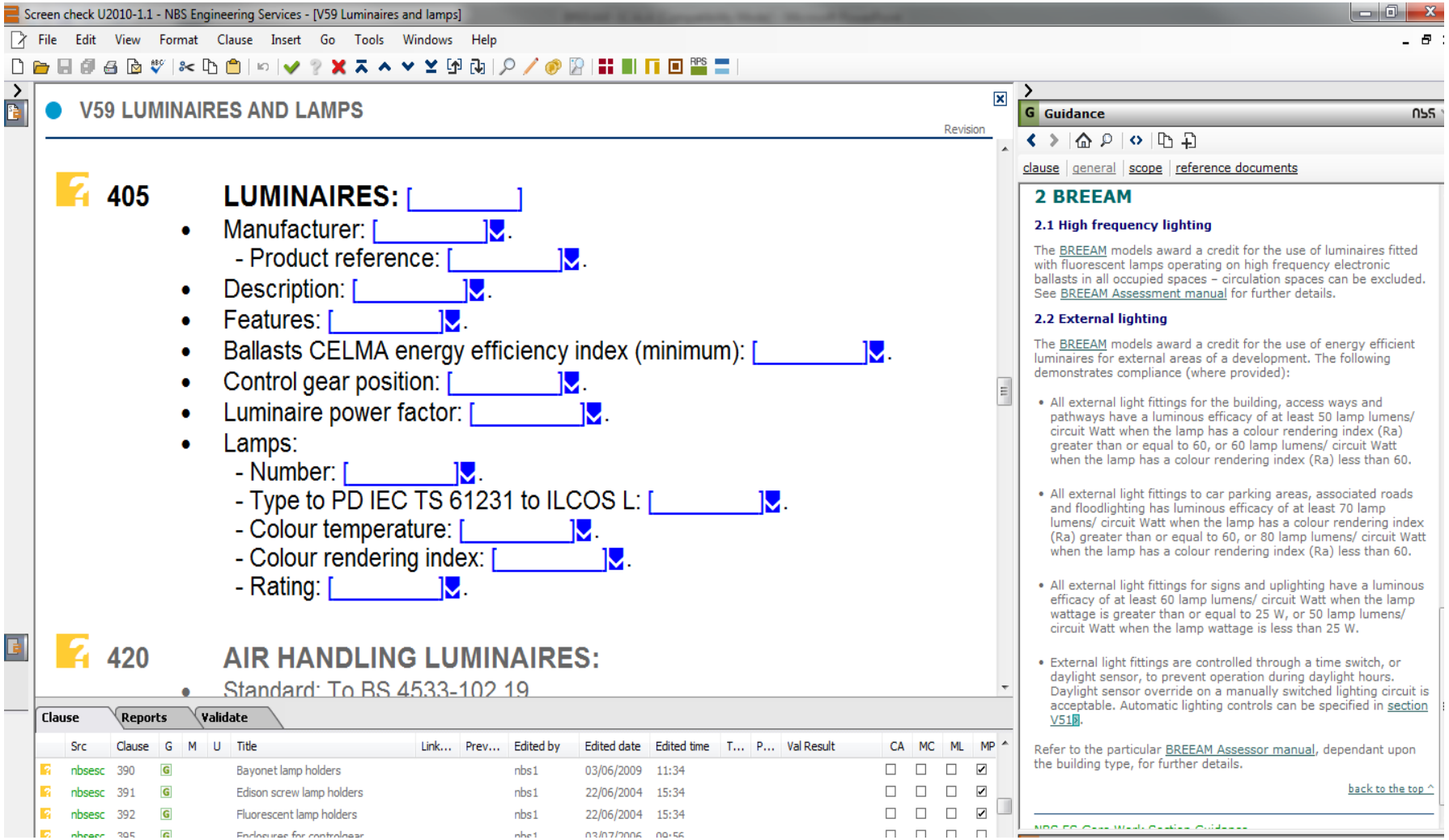
• Possible measures to consider include passive solar heating, high levels of natural light and the use of thermal insulation, natural or mixed mode ventilation strategies.

• Water use minimization, use of renewable energy sources, recyclable materials and materials with a low environmental impact are all areas which may need consideration.

How does NBS help?

- Identifies the RIBA work stage at which decisions relating to BREEAM should be considered.
- Identifies where BREEAM credits are influenced via the project specification.
- Provides guidance on what the BREEAM credit criteria require and provides links to both the BREEAM website and Green Guide Online.
- Includes content relating to systems and individual products whose use may lead to the award of credits under BREEAM schemes.

How does NBS help?



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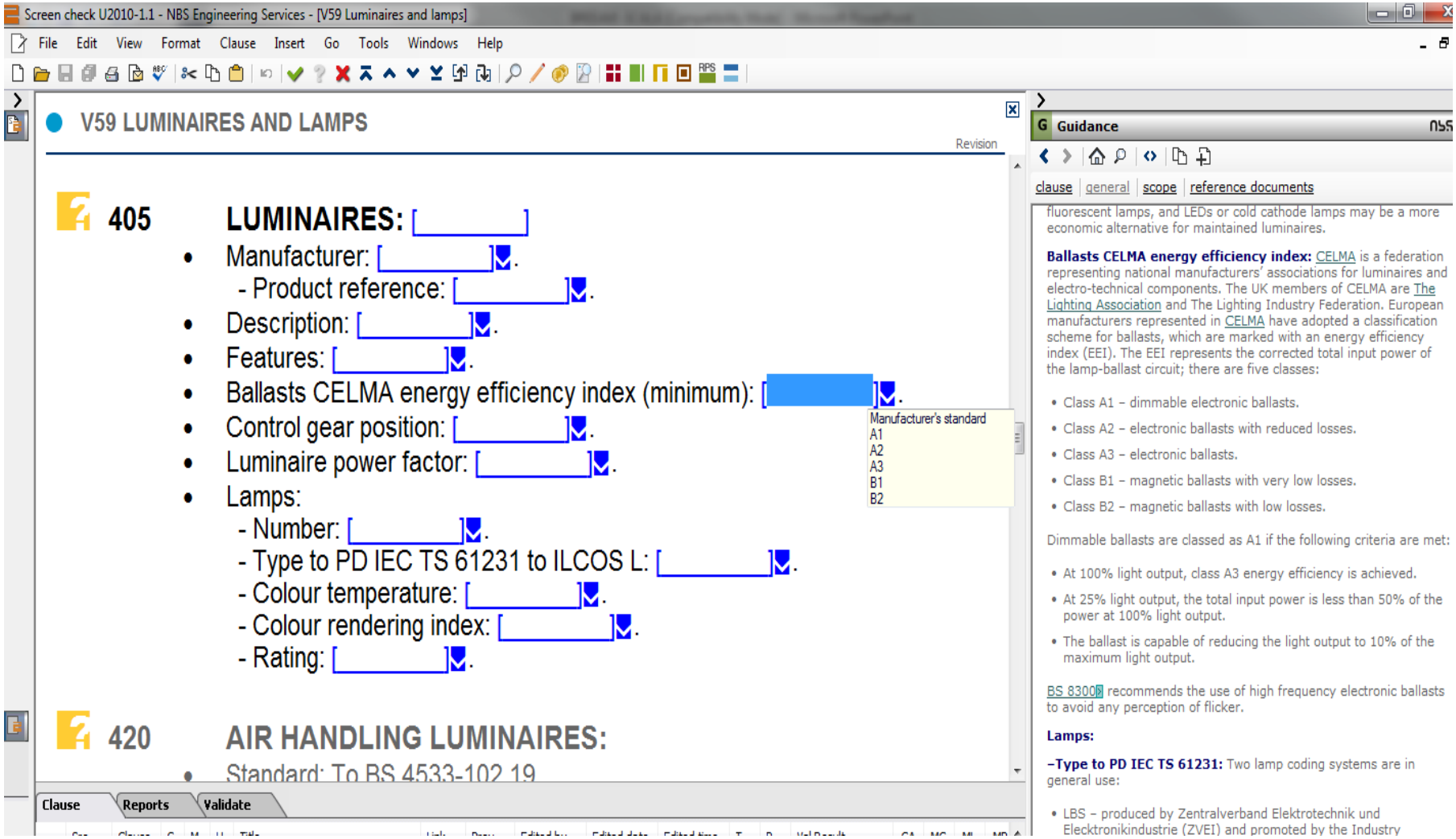

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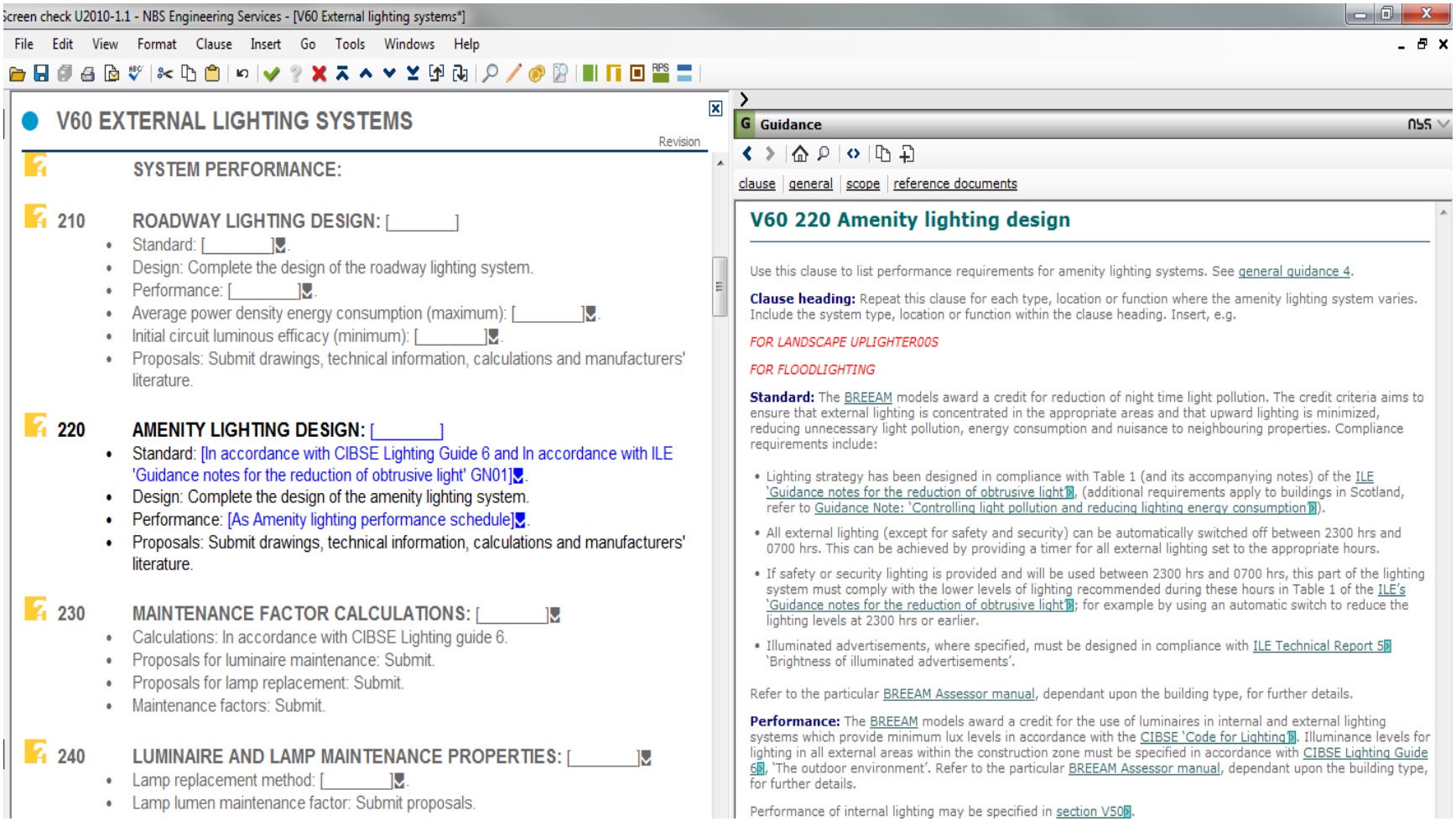

How does NBS help?

1		RIBA Work Stage	NBS Work Section	EDUCATION	RETAIL	INDUSTRIAL	INDUSTRIAL (Speculative)	OFFICES	COURTS	PRISONS	HEALTHCARE	MULTI-RESIDENTIAL
19	Hea 1 Daylighting	B/E	L10_cl 150_U10-2; H13_cl475_U10-1; H10_cl 475_U10-1; H11_cl 475_U10-1	1 credit	2 credits	1 credit	1 credit	1 credit	1 credit	1 credit	2 credits	1 credit
20	Hea 2 View out	B/C	L10_cl 155_U10-2; H13_cl480_U10-1; H10_cl 480_U10-1 H11_cl 480_U10-1	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	2 credits	1 credit
21	Hea 3 Glare control	B/D	L10_cl 670, 680_U10-2; N10_cl240, 245_U10-1, H13_cl115_U10-1; H10_cl 115_U10-1 H11_cl 110_U10-1	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit
22	Hea 4 High frequency lighting	B/D	V59 cl 405_ U09-2	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit
23	Hea 5 Internal and external lighting levels	B/E	V50 cl 220_U09-2. V60 cl 210, 220 _U09-3	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	2 credits	1 credit	1 credit
24	Hea 6 Lighting zones	B/D	V50 cl 110, 120_U09-2	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit		1 credit	
25	Hea 7 Potential for natural ventilation	B/E	L10_cl160_U10-2; P21_cl935_U10-2; H13_cl115, 485, 935_U10-1; H10_cl 115, 485, 575_U10-1; H11_cl 110, 485, 935_U10-1; U10_cl 110, 130, 140, 220_U10-1.	1 credit	1 credit	1 credit	1 credit	1 credit	2 credits		1 credit	1 credit
26	Hea 8 Indoor air quality	B/E	L10_cl766:U10-2; U10 _cl 110, 130, 140, 210, 230_U10-1.	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit
27	Hea 9 Volatile organic compounds	B/E	K11_cl110_U10-2; K21-cl 115_U10-2; M52_cl110, 225_U10-2; K40_cl 105, 115; 135, 265, 270_U10-2; M42_cl105_U10-2; K45_cl 310_U10-2; M50_cl 110, 135, 138, 146, 150, 155, 170, 178, 186, 190_u10-2; M60_General guidance_U10-	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit
28	Hea 10 Thermal comfort	B/E	T10_cl 210_U10-2; U10_cl 210_U10-1. T50_cl 210_U10-2.	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit	1 credit