

LOTUS Interiors V1

Summary of changes from Interiors Pilot draft version



1. Introduction

This documents gathers all the changes brought from LOTUS Interiors Pilot (Draft version released on the 23rd August 2016) to LOTUS Interiors V1 (released on the 31st August 2017).

2. Changes

The table below highlights all the changes from LOTUS Interiors Pilot draft version to LOTUS Interiors V1.

Interiors Pilot draft Section / Credit	Interiors V1 Section / Credit	Description of the changes
Introduction		
/	LOTUS Interiors or LOTUS Small Interiors?	<ul style="list-style-type: none">▪ New section to describe which projects are eligible to follow LOTUS Small Interiors and which projects must follow LOTUS Interiors.
Certification Process	Certification Process	<ul style="list-style-type: none">▪ Pre-assessment stage is not maintained in LOTUS Interiors V1 which only includes a Provisional and a Full Certification Stage. Pre-assessment stage is reserved to streamlined LOTUS systems (Homes, SB and SI)
Submissions	Submissions	<ul style="list-style-type: none">▪ More details on the submissions have been added

Energy		
E-1 Natural Ventilation & Air-conditioning	E-1 Space Cooling	<ul style="list-style-type: none"> ▪ Credit title has been modified ▪ Strategy B: COP improvement. Table E.1 has been fixed. For air cooled air-conditioners, the capacity is now “ ≥ 70 kW to < 117 kW ” instead of “ ≥ 70 kW to < 223 kW ” ▪ Strategy D: HVAC Controls. Simple VAV systems are not considered as compliant anymore, high-performance VAV systems should be used to ensure better part-load system efficiency. ▪ Strategy E: Alternative strategies. High-volume low-speed (HVLS) fans are now considered.
E-2 Artificial Lighting	E-2 Artificial Lighting	<ul style="list-style-type: none"> ▪ Strategy D: Other lighting controls. Appropriate zoning strategy is not included anymore (it is already considered in Strategies B and C)
E-4 Energy Monitoring	E-4 Energy Monitoring	<ul style="list-style-type: none"> ▪ A new option is included in the credit: <ul style="list-style-type: none"> - Option A is similar to previous credit considering sub metering and power monitoring system - Option B awards 1 point for the use of a permanent energy monitor
Water		
<ul style="list-style-type: none"> ▪ No changes 		
Materials		
M-1 Sustainable Materials	M-1 Sustainable Materials	<ul style="list-style-type: none"> ▪ 4 new types of sustainable materials are considered: <ul style="list-style-type: none"> - non-baked materials (for non-structural walls only) - materials designed for disassembly - products certified under third party ecolabels considering whole life cycle analysis - products certified under third party ecolabels not considering whole life cycle analysis ▪ The method to calculate the sustainability factors for rapidly renewable materials and for timber coming from sustainable sources has been updated.
M-2 Sustainable Furniture Products	M-2 Sustainable Furniture Products	<ul style="list-style-type: none"> ▪ 2 new types of sustainable materials are considered: <ul style="list-style-type: none"> - products certified under third party ecolabels considering whole life cycle analysis - products certified under third party ecolabels not considering whole life cycle analysis ▪ 3 different sustainable features can be considered at the same time for one furniture product ▪ The method to calculate the sustainability factors for products made with rapidly renewable materials and for products made of timber coming from sustainable sources has been updated.

Waste & Pollution		
WP-PR-1 Demolition and Construction Waste	WP-PR-1 Fit-out waste	<ul style="list-style-type: none"> Prerequisite title has been modified
WP-2 Demolition and Construction Waste	WP-2 Fit-out waste	<ul style="list-style-type: none"> Credit title has been modified Strategy B: Reduction of Waste Generation. Only 2 strategies to reduce the waste generation during fit-out need to be implemented for projects to be awarded 1 point. Also, details on the different strategies have been added.
WP-3 Waste Management	WP-3 Operation Waste Management	<ul style="list-style-type: none"> Credit title has been modified
Health & Comfort		
H-3 Low-VOC Emissions	H-3 Low-VOC Emissions Products	<ul style="list-style-type: none"> The credit now includes 5 strategies with the introduction of a new strategy considering ceiling, partition and insulation products. Definition of low-VOC and low-formaldehyde emission products has been widened.
H-6 Green Cleaning	H-6 Green Cleaning	<ul style="list-style-type: none"> Natural products are also considered as environmentally friendly cleaning products
H-9 Lighting Comfort	H-9 Lighting Comfort	<ul style="list-style-type: none"> Table H.6 with requirements on general illuminance has been changed.
H-10 Thermal Comfort	H-10 Thermal Comfort	<ul style="list-style-type: none"> For non-air-conditioned spaces, under method 2, high-volume low-speed (HVLS) fans can be used for compliance with indoor air velocity and Lighting Power Density (LPD) reduction can be considered for compliance with reduction of internal heat gains.
Location & Transportation		
LT-1 Green base building	LT-1 Green base building	<ul style="list-style-type: none"> Option B: Base building with green attributes. 2 requirements have been updated: <ul style="list-style-type: none"> Renewable energy: more than 0.5% of the total energy used in the base building should be produced on-site from a renewable energy source Vegetation: 10% of the total site area (including roof) should be vegetated
Management		
Man-3 Commissioning	Man-3 Commissioning	<ul style="list-style-type: none"> On-going commissioning is now under Strategy B while hiring an independent commissioning agent and producing owner's project requirements and basis of design documents is under Strategy A for 2 points.

Innovation

Inn-1 Exceptional Performance Enhancement	Inn-1 Exceptional Performance Enhancement	<ul style="list-style-type: none">▪ Exceptional Performance Enhancement points can be awarded in a new situation: when, in a credit with different strategies available, the building performance reaches a higher number of points than what is available in the credit.
Inn-2 Innovative Techniques/Initiatives	Inn-2 Innovative Techniques/Initiatives	<ul style="list-style-type: none">▪ Credit criteria has been changed