

Sea Turtle Sensitive Area Code

A Model Code for Local Government



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1.0 Application

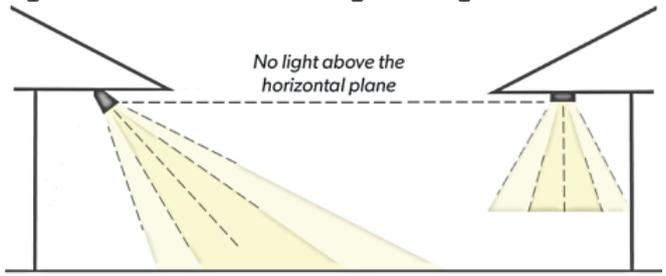
- (1) This code applies to all assessable development (other than for reconfiguring a lot) occurring within the Sea Turtle Sensitive Area on the Overlay maps contained in the planning scheme.

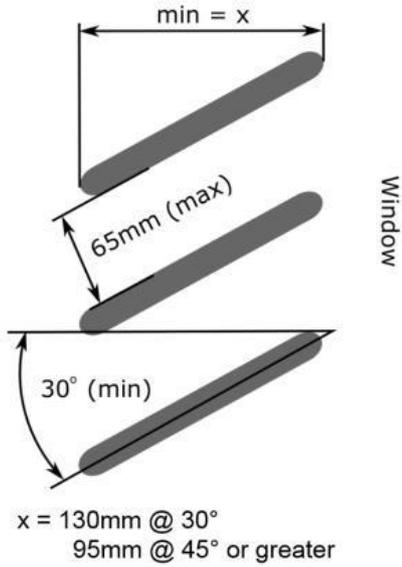
Note: A local government will need to determine the area this code applies to locally. In addition to information and data collected by local governments on sea turtle nesting locations, the Department of Environment and Science will be able to provide scientific assistance in the identification of sea turtle sensitive areas within the local government area. Depending on how a local government planning scheme is structured, this area may be shown on a local government’s biodiversity overlay or coastal protection overlay or a separate sea turtle sensitive area overlay.

2.0 Purpose and Overall Outcomes

- (1) The purpose of the code is to ensure that development does not create harm to sea turtle nesting and sea turtle activity by avoiding adverse impacts generated from artificial lighting.
- (2) The purpose of the code will be achieved through the following overall outcome/s:
 - (a) development avoids artificial lighting that is directly visible from the beach or the ocean
 - (b) development avoids ambient lighting that contributes to sky glow within the Sea Turtle Sensitive Area.

3.0 Performance outcomes and acceptable outcomes

Performance outcomes	Acceptable outcomes
All development	
<p>PO1 All outside lighting provided as part of the development avoids direct illumination of the beach, ocean and sky at night.</p>	<p>AO1.1 Use outside lighting that is: (a) shielded by 25cm shields (b) mounted down low to avoid direct horizontal light or downwards glare onto the beach or ocean and (c) directed downwards and away from the coast.</p> <p><i>Note: Figure 1 (Shielded outside light fittings) demonstrates how outside lighting is to be shielded and directed to avoid light spill.</i></p> <p>Figure 1 Shielded outside light fittings</p>  <p>AO1.2 All outside lights are fitted with light motion detection sensors and/or timers to ensure lighting is turned off when not required.</p>

Performance outcomes	Acceptable outcomes
<p>PO2 Development minimises the use and intensity (brightness/luminance) of outside lighting required to achieve the light’s purpose to avoid reflection from the ground, buildings and other surfaces.</p>	<p>AO2 No acceptable outcome is provided.</p>
<p>PO3 Development minimises reflective glare that contributes to sky glow.</p>	<p>AO3.1 External building materials, colours and finishes have low reflectivity.</p> <p>AO3.2 Impervious areas use coloured (non-reflective) concrete or other pavement material.</p> <p>AO3.3 Building design, architectural elements or landscaping treatments block or reduce excessive reflective glare.</p>
<p>PO4 All interior lighting provided as part of the development avoids direct illumination of the beach, ocean and sky at night.</p>	<p>AO4.1 All windows and glass doors visible from the coast are: (a) tinted with non-reflective tinting, or utilise smart glass technology, to block a minimum of 50% of light to reduce light transmission or spill from indoor lighting (i.e. allows a maximum of 50% of light to pass through) or (b) shielded by external screens to reduce light spill from indoor lighting.</p> <p>AO4.2 All windows are shielded with external fixed louvres, and are to be: (a) solid (i.e. no holes) (b) directed downward from the window at a minimum angle of 30° or (c) in accordance with the dimensions identified within Figure 2 (Fixed louvres detail).</p> <p>Figure 2 Fixed louvres detail</p>  <p>The diagram illustrates the required dimensions for fixed louvres. It shows three louvre blades angled downwards towards a window. The gap between the top two blades is labeled '65mm (max)'. The angle of the louvres is labeled '30° (min)'. A horizontal dimension line above the top blade is labeled 'min = x'. Below the diagram, the following specifications are provided: $x = 130\text{mm @ } 30^\circ$ $95\text{mm @ } 45^\circ \text{ or greater}$</p>

Performance outcomes	Acceptable outcomes
<p>PO8 No new beach access points are established unless the beach access is designed to reduce interference on turtle nesting areas, and:</p> <ul style="list-style-type: none"> (a) is required to enhance public access to the beach or (b) there is no increase in the number of beach access points, with any replaced beach accesses fenced off and revegetated. 	<p>AO8 No acceptable outcome provided.</p>
<i>Additional criteria for building and operational work</i>	
<p>PO9 Effective measures are implemented during the construction and operation of development to avoid impacts from lighting, noise and vibration on sea turtle activity and sea turtle nesting beaches.</p>	<p>AO9 No acceptable outcome provided.</p>



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