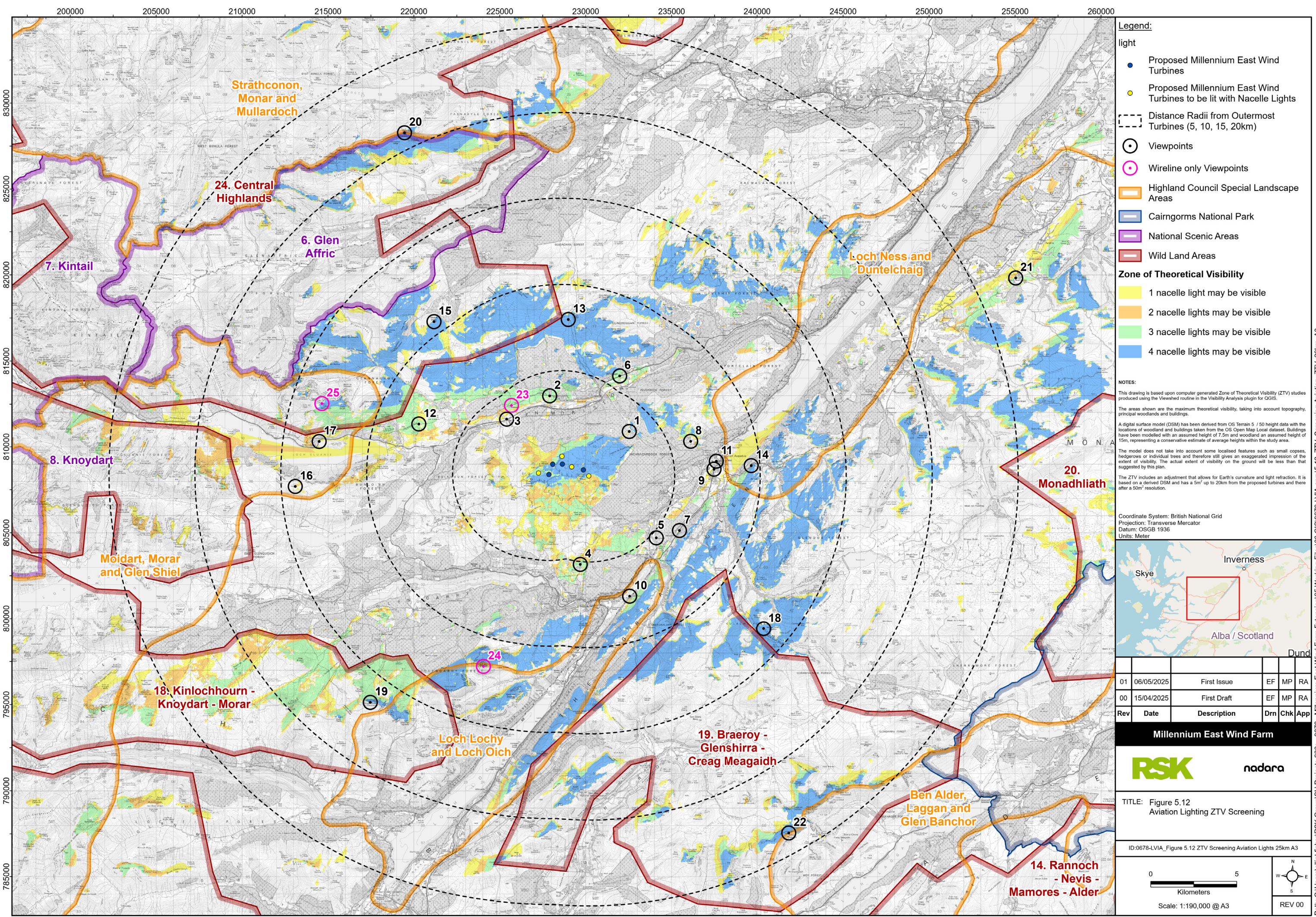




- Legend:**
- light
 - Proposed Millennium East Wind Turbines
 - Proposed Millennium East Wind Turbines to be lit with Nacelle Lights
 - Distance Radii from Outermost Turbines (5, 10, 15, 20km)
 - Viewpoints
 - Wireline only Viewpoints
 - Highland Council Special Landscape Areas
 - Cairngorms National Park
 - National Scenic Areas
 - Wild Land Areas
- Zone of Theoretical Visibility**
- 1 nacelle light may be visible
 - 2 nacelle lights may be visible
 - 3 nacelle lights may be visible
 - 4 nacelle lights may be visible

NOTES:

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings.

A digital surface model (DSM) has been derived from OS Terrain 5 / 50 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 15m, representing a conservative estimate of average heights within the study area.

The model does not take into account some localised features such as small copses, hedgerows or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m² up to 20km from the proposed turbines and there after a 50m² resolution.

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



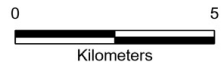
Rev	Date	Description	Drn	Chk	App
01	06/05/2025	First Issue	EF	MP	RA
00	15/04/2025	First Draft	EF	MP	RA

Millennium East Wind Farm



TITLE: Figure 5.12
Aviation Lighting ZTV Screening

ID:0678-LVIA_Figure 5.12 ZTV Screening Aviation Lights 25km A3



Scale: 1:190,000 @ A3



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