



land reform &  
rural development

Department:  
Land Reform and Rural Development  
REPUBLIC OF SOUTH AFRICA



CHIEF DIRECTORATE: NATIONAL GEO-SPATIAL INFORMATIO  
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## AERIAL IMAGERY TEST AREA SUPPLIED at 0.25m GROUND SAMPLE DISTANCE

### 1. Visual Quality and consistency evaluation criteria for the test area

TEST AREA NO				
BIDDER NO				
COMPANY NAME: (SCM only)				
DATA:				
VISUAL QUALITY AND CONSISTENCY EVALUATION	STATUS	LOCATION	PROBLEM	COMMENTS
	Not Acceptable / Acceptable	Strip; Image		
<b>Terrain Detail:</b> Detail of the surrounding ground, sharpness and topological detail be clearly defined eg. Structures, trees, farm land, etc.				



<b>Contrast:</b> Contrast is determined by the difference in the colour and brightness of objects within the same field of view. How much dynamic range is lost eg, clipping of highlights or shadows which can lead to the loss of detail (high contrast).				
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<b>Colour:</b> Is the colour of the terrain (image) a true representation of the area and topological detail at the time of flying.				
<b>Tonal Balance:</b> Is there a consistent tonal balance of highlights, shadows and midtones throughout the job. RGB histograms will assist with the viewing of the range of the pixels.				
<b>VISUAL QUALITY AND CONSISTENCY EVALUATION</b>	<b>STATUS</b>	<b>LOCATION</b>	<b>PROBLEM</b>	<b>COMMENTS</b>
	Not Acceptable / Acceptable	Strip; Image		



<b>Lens Flare:</b> Lens flare refers to the phenomenon wherein light is scattered or flared in the lens system, often in response to a bright reflected light, producing an undesirable effect on the image or obstructing detail thus causing loss of shadow detail, colour and pixels. Also known to cause rainbow effects off tin roofs and water.	<b>Not Present / not present</b>			
<b>Shadow Density:</b> The amount of detail observed in the shadow area. Too dense implies that shapes can't be defined.				

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VISUAL QUALITY AND CONSISTENCY EVALUATION	STATUS	LOCATION	PROBLEM	COMMENTS
<b>Shadow Length:</b> Shadow length must not obstruct or seem to change the shape of the topographical detail.				
<b>Artefacts:</b> In digital photography an artifact refers to any visible defect eg hotspots, cloud, cloud shadow etc. that may obstruct the topographical detail.				



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<b>Imagery acceptable for requirements of NGI?</b>				
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**The responsible manager at Reprographic unit signs this report to confirm the accuracy of the assessment conducted.**