


**environment, forestry
& fisheries**

 Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Appendix D.1

Type of check	Description	MRV tool sheet reference
Area checks	Total area checked against reported area for FM, AR, D (i.e. Total = FM+AR-D).	Facility register; 3 rd party register; Land gain-loss method; Land stock-difference method
Afforestation checks	Check that Afforestation area is not older than 20yrs	Land gain-loss method; Land stock-difference method
TUP check	Check that TUP is not more than 5 years	Land gain-loss method; Land stock-difference method, check MRV tool if emission is deducted
Deforestation check	TUP area that was 5 years in previous submission and was not replanted should be now deforestation.	Land gain-loss method; Land stock-difference method
Stratification checks	Check previous submission to check correspondence between previous and current stratification (for C stock change method).	Facility register
Gain-loss method checks	Living Biomass GAIN (ABG+BGB, tC) / Living Biomass LOSS (ABG+BGB, tC) ± 1 (or very close to 1, ideally smaller in sustainable forestry)	Land gain-loss method
	Total of [Total net removal (t CO ₂ eq/yr)] / Total of [Total area (of AR, FM)] < approx. 5 (so in practice it should be equivalent to net biomass growth per 1 ha per year, as long as 1tCO ₂ = 1 mc of wood), if annual roundwood increment is 10 m ³ that is 10tCO ₂ , or slightly higher is entire ABG is included (foliage, roots) 12 tCO ₂	Land gain-loss method
	Total of [Harvest volume (m ³ /yr)] = Total of [Harvest volume (m ³ /yr)] from Afforestation and Forest Management	Land gain-loss method, Green Mamba
Stock difference method checks	Total of [Total net removal (t CO ₂ eq/yr)] / Total of [Total area (of AR, FM)] < MAI	Land stock-difference method
	Total of [Harvest volume (m ³ /yr)] = Total of [Harvest volume (m ³ /yr)] from Afforestation and Forest Management	Land stock-difference method, Green Mamba
Reporting and accounting checks	Total accounted amount / Total of [Total area (of AR, FM)] < approx. 5	Reporting & accounting
DOM checks	20 * DOM Δ C (tC) = DOM (tC/ha) in afforestation	Land gain-loss method; Land stock-difference method
Removals from forest	to be consistent with harvest from CSC biomass (expected approx. Rem >0.9 Harvest). Inflow cannot be bigger than removals	Land gain-loss method; Land stock-difference method
Volume entering the mill	to be consistent with Removal (expected approx. Entering >0.9 Removal)	Land gain-loss method; Land stock-difference method; HWP