

KZR INiG System /11.3

Annex 11.3 – Additional guidance on assessing forest biomass criteria



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#### 1. Harvesting criteria - Art. 29(6) - Demonstrating compliance through national or sub-national laws (level A)

Table 1. Checklist for demonstrating compliance with the harvesting criteria through national or sub-national laws (level A).

RED II Criteria		Requirement	Type of evidence/verified informati Type of evidence/verified information on	Possible information sources
29.6a(i)	Harvesting legality	Laws	Adequate and efficient due diligence as required under the EU Timber Regulation (EUTR, (EU) 995/2010) has determined negligible risk of illegal logging	Legislation in the area of forestry can be checked from national official legislation journals and databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land & soil, agriculture and natural resources management, amongst other. http://www.fao.org/faolex
29.6a(i)	Harvesting legality	Monitoring/ Enforcement	Proof that there is no evidence from national or international governmental organizations that there is significant and continued lack of enforcement	The UNEP-WCMC briefing notes on EUTR implementation: www.unepwcmc.org/featured-projects/eu-timber-regulations-and-flegt
			Evidence that the relevant Member State is not subject to any ongoing EU infringement procedure for non-compliance with the EU Timber Regulation	For information on EU infringement procedures, query for "MISCELLANEOUS - FORESTS - Non-compliance with EUTR and FLEGT Regulations" in the query form's Title field: https://ec.europa.eu/info/law/infringements_en
29.6a(ii)	Forest regeneration	Laws	Legal analysis showing that the relevant legislation complies with the forest regeneration criteria	Legislation in the area of forestry can be checked from official national legislation journals and databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land & soil, agriculture and natural resources management, amongst other. http://www.fao.org/faolex
29.6a(ii)	Forest regeneration	Monitoring/ Enforcement	Legal analysis showing that the relevant forest legislation includes monitoring and enforcement requirements for forest regeneration	Legislation in the area of forestry can be checked from official national legislation journals and databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land & soil, agriculture and natural resources management, amongst other.
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			Proof that there is no evidence from national or international governmental organizations that there is significant and continue lack of enforcement	http://www.fao.org/faolex  The UNEP-WCMC briefing notes on EUTR implementation:
				Other recent and relevant official information from national governmental or international inter-governmental sources, such as World Bank, FAO, UNEP.
29.6a(iii)	Protected areas	Laws	Legal analysis showing that the relevant legislation complies with the protect areas requirement	Legislation in the area of forestry can be checked from official national legislation journals and databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land & soil, agriculture and natural resources management, amongst other. http://www.fao.org/faolex
				European Environment Agency Common Database on Designated Areas for all its 36 member countries. <a href="https://www.eea.europa.eu/data-and-aps/data/nationally-designated-areas-national-cdda-14">https://www.eea.europa.eu/data-and-aps/data/nationally-designated-areas-national-cdda-14</a>
				World Database on Protected Areas (WDPA), including reports on the effective management of protected areas for most countries in the World. http://www.protectedplanet.net
29.6a(iii)	Protected areas	Monitoring/ Enforcement	Legal analysis showing that the relevant forest legislation includes monitoring and enforcement requirements for protected areas	Legislation in the area of forestry can be checked from official national legislation journals and databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land &soil, agriculture and natural resources management, amongst other.



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				http://www.fao.org/faolex
			Proof that there is no evidence from national or international governmental organizations that there is significant and continue lack of enforcement	The UNEP-WCMC reports on EUTR implementation: <a href="https://www.unepwcmc.org/featured-projects/eu-timber-regulations-and-flegt">www.unepwcmc.org/featured-projects/eu-timber-regulations-and-flegt</a>
				World Database on Protected Areas (WDPA), including reports on the effective management of protected areas for most countries in the World. http://www.protectedplanet.net
				Other recent and relevant official information from national governmental or international inter-governmental sources, such as World Bank, FAO, UNEP.
29.6a(iv)	Maintenance of soil quality and biodiversity	Laws	Legal analysis showing that the relevant legislation complies with the maintenance of soil quality and biodiversity criteria	Legislation in the area of forestry can be checked from national legislation databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land &soil, agriculture and natural resources management, amongst other. http://www.fao.org/faolex
29.6a(iv)	Maintenance of soil quality and biodiversity	Monitoring/ Enforcement	Legal analysis showing that the relevant forest legislation includes monitoring and enforcement requirements for protected areas	Legislation in the area of forestry can be checked from national legislation databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land &soil, agriculture and natural resources management, amongst other. http://www.fao.org/faolex
			Proof that there is no evidence from national or international governmental organizations that there is significant and continue lack of enforcement	The UNEP-WCMC reports on EUTR implementation: <a href="https://www.unepwcmc.org/featured-projects/eu-timber-regulations-and-flegt">www.unepwcmc.org/featured-projects/eu-timber-regulations-and-flegt</a>
				Other recent and relevant official information from national governmental or international inter-governmental sources, such as
	- Additional guidar est biomass criteria		Cracow, December 2023 Directive 2018/2001	,



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				World Bank, FAO, UNEP
29.6a(v)	Long-term production capacity	Laws	Legal analysis showing that the relevant legislation complies with the long-term production capacity criteria	Legislation in the area of forestry can be checked from national legislation databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land &soil, agriculture and natural resources management, amongst other. http://www.fao.org/faolex
29.6a(v)	Long-term production capacity	Monitoring/ Enforcement	Legal analysis showing that the relevant forest legislation includes monitoring and enforcement requirements for long-term production capacity	Legislation in the area of forestry can be checked from national legislation databases or from the UN-FAO FAOLEX database of national legislation, policies and bilateral agreements on environment, forestry, land &soil, agriculture and natural resources management, amongst other. http://www.fao.org/faolex
			Proof that there is no evidence from national or international governmental organizations that there is significant and continue lack of enforcement	The UNEP-WCMC reports on EUTR implementation:  www.unepwcmc.org/featured-projects/eu-timber-regulations-and- flegt
				Other recent and relevant official information from national governmental or international inter-governmental sources, such as World Bank, FAO, UNEP

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#### 2. Demonstrating compliance through management systems at the sourcing area level (level B)

#### 2.1. Legality criterion

As mentioned in preceding sections, any wood and products made of wood that are placed on the EU market, need to comply with EUTR requirements. The procedure to comply with the legality criterion is to be the same for level A and level B. For further clarification on the link between REDII and EUTR see Section 0 on (i) Legality of harvesting operations. For a summary guidance on compliance with the REDII legality criterion, see Table 1.

#### 2.2. Regeneration criterion

Table 2. Checklist for demonstrating compliance with the regeneration criterion

Step	Indicator	Sources of information
1.1. and 1.2	Type of forest operation from which forest biomass results	Forest management plans obtained e.g. from the forest owner directly, or from a competent authority that compiles such information from forests within the sourcing area
2	Quality and quantity of next generation forest resources	Forest management plans obtained e.g. from the forest owner directly, or from a competent authority that compiles such information from forests within the sourcing area

#### 2.3. Protected area criterion

Table 3. Checklist for demonstrating compliance with the protected areas criterion

Step	Indicato	or	Sources of information
1	Presence of designated as protection, including wet peatlands		IUCN maintains the World Database on Protected Areas (WDPA)  Other international networks of designated areas e.g. the UNESCO Biosphere Reserves
2	Permissions for biomass removal in the protected areas		Harvesting permission issued by the relevant competent authority  Alternatively, proof of compliance with relevant legislation is provided through operational reports/harvest protocols
3	Implementation of plans/measures in the protected areas		Operational reports describe compliance measures undertaken in the respective areas, obtained via field inspections with an agent of the relevant competent authority, or  The confirmations are implemented by second or third

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	party and thereafter endorsed by the competent authority
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#### 2.4. Maintenance of soil quality and of biodiversity criterion

Table 4. Checklist for demonstrating compliance with the soil quality and biodiversity criterion

Step	Indicator	Sources of information	
1	Biomass includes stumps or roots		est reports confirm that stumps or ted in the sourcing area
2.1;	Existence of poor or vulnerable soils in the	FAO/UNESCO Soil N	Map of the World
2.2	forest sourcing area	Harmonized World So	oil Database – FAO
		National or regional s	oil maps
		Identification of poor management plans	or vulnerable soils in forest
3	Harvesting on poor or vulnerable soils is implemented according to requirements of logging permission	Post-harvest report iss authority	sued or approved by the competent
4	Impacts on soil quality are minimized during and after harvesting	protocols could include	lans/operational reports/harvest le a "checklist" for the assessment s well as an assessment of measures perational level
		proof that precautiona implemented regardin and geo-tagged pictur	eated during or after harvest show ry measures have been g soil protection and include dated es before-and after- the intervention of impacts on logging trails and ning stand
		best practice guideline soil protection during	arvest protocols confirm that local es or relevant legislation regarding harvesting operations are complied esting system is justified in respect
5	Biodiversity and habitat features are	Forest management pl	ans
	assessed and specified	Operational reports	
		Pre-harvest inventory	
		Regional biodiversity	assessments
6	Required or recommended amounts of	Applicable legislation	or regulation
	deadwood are known	Regionally applicable	best practices
		Scientific recommend	ations
7	Deadwood amounts are according	Harvesting protocols	
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	requirements or best practice	Operational reports
	Recommendation	Pre-harvest inventory
		Post-harvest assessments
8	Preventive and protective measures are	Harvesting protocols
	taken to protect biodiversity during harvesting operations	Operational reports
	nu (voing operation)	Post-harvest assessments

#### 2.5. Long-term production capacity criterion at sourcing area level

Table 5. Checklist for demonstrating compliance with the long-term production capacity criterion, following a retrospective approach

Step	Indicator	Sources of information
1; 2	Sustainable harvest levels on forest available for wood supply	Regional data for net annual increment is published by national or regional forest inventories but can also be calculated on the basis of forest growth models specifically for the forest sourcing area  Regional data for annual harvested timber amounts can be obtained from national or regional forest inventories, or from forest authorities
3	Harvest amounts exceed net annual increments	Permits or documents including reports of the relevant competent forest authority  Specific permits issued by the relevant competent authority allow these temporally higher harvest levels.

### 3. LULUCF criteria – Art. 29(7) - Demonstrating compliance with the LULUCF criteria (level A)

Table 6. Summary of LULUCF criteria, related proof of compliance and possible sources of evidence (Article 29.7(a))

Criteria	Evidence of compliance	Source
The country or regional economic integration organisation of origin of the forest biomass:		
is a Party to the Paris Agreement	The country or regional economic integration organisation is listed as a Party to the Paris Agreement	United Nations list of parties to the Paris Agreement: https://treaties.un.org/pages/View Details.aspx?src=TREATY&mtds g_no=XXVII-7- d&chapter=27&clang=_en
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has submitted a nationally determined contribution (NDC) to the United Nations Framework Convention on Climate Change (UNFCCC), covering emissions and removals from agriculture,	Presence of a Nationally Determined Contribution in the UNFCCC registry, submitted by the country or regional economic integration organisation	NDC is included in the UNFCCC NDC Registry: https://unfccc.int/process-and- meetings/the-paris- agreement/nationally-determined- contributions-ndcs
forestry and land use which ensures that changes in carbon stock associated with biomass harvest are accounted towards the country's commitment to reduce or limit greenhouse gas emissions as specified in the NDC	Emissions and removals by agriculture, forestry and land use are included in the country's or regional economic integration organisation's NDC	Information provided in the NDC
	Changes in carbon stock associated with biomass harvest are considered as a separate target or integrated into an economywide target in the NDC	Information provided in the NDC
has national or sub-national laws in place, in accordance with Article 5 of the Paris Agreement, applicable in the area of harvest, to conserve and enhance carbon	Presence of national or sub- national laws to conserve and enhance carbon stocks and sinks in forests	National or sub-national legislation
stocks and sinks, and providing evidence that reported LULUCF-sector emissions do not exceed removals	Reported LULUCF-sector emissions for the country or regional economic integration organisation do not exceed removals	Compare emissions and removals for the LULUCF sector, as reported in National Inventory Reports submitted to UNFCCC: https://unfccc.int/process-and-meetings/transparency-and-reporting/reporting-and-review-under-the-convention/greenhouse-gas-inventories-annex-i-parties/national-inventory-submissions-2019



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4. Demonstrating compliance through management systems at forest sourcing area level (level B)

Table 7. Checklist of possible tools to demonstrate LULUCF criteria compliance at forest sourcing area

Name of tool Brief description		URL	
CO2FIX	Stand level simulation model, which quantifies the C stocks and fluxes in the aboveground biomass, belowground forest biomass, soil organic matter and the wood products chain.	http://dataservices.efi.int/casfor/models.htm	
CBM-CFS3	Stand- and landscape-level modelling framework that simulates the dynamics of all forest carbon stocks required under the Kyoto Protocol (aboveground biomass, belowground biomass, litter, dead wood and soil organic carbon).	https://www.nrcan.gc.ca/climate-change/impacts-adaptations/climate-change-impacts-forests/carbon-accounting/carbon-budget-model/13107	
YASSO soil carbon model	Dynamic model of the cycling of organic carbon in soil. Yasso calculates the amount of soil organic carbon, changes in the amount of soil organic carbon and heterotrophic soil respiration	https://en.ilmatieteenlaitos.fi/yasso	
CASMOFOR  Tool to assess the amount of carbon sequestered in a forest system (aboveground biomass, belowground biomass, litter, dead wood and soil organic carbon)		http://www.scientia.hu/casmofor/index.php	
FORMIND	Individual tree-based vegetation model that simulates the growth of forests on the hectare scale. It allows to explore forest dynamics and forest structure.	http://formind.org/model/	

Table 8. Potential data sources to demonstrate LULUCF criteria compliance at forest sourcing area level

Variable affecting carbon stock		Potential source of information	
and sinks in forests			
Tree species composition		Forest inventories	
		Forest management plan	
Age structure		Forest inventories	
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Forest management plan	
Forest management plan	
Forest inventories	
National or regional yield tables	
Producer of seedlings or seeds used for regeneration	
IPCC 2013 Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol	
IPCC 2013 Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol	
IPCC 2013 Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol	
National GHG inventory report to UNFCCC	
FAO method collection, see	
http://www.fao.org/3/w4095e/w4095e06.htm .	
Scientific literature	
Forest management plan	
Forest management recommendations applicable to the forest	
sourcing level	
Forest management plan	
Forest management recommendations	
Empirical historic data for the sourcing area on rotation cycles	
applied	
Forest management plan	
Forest management recommendations	
Forest management plan	
Forest management recommendations	

### 5. Changes compared to the previous edition

Date	Section	Previous requirement	Current requirement
31/08/2022	N.A.	No changes	No changes

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