



THE RAINFOREST STANDARD

Integrating social, environmental and economic well-being

GLOSSARY, EXHIBITS, SCHEDULES, TEMPLATES, APPENDIX

June, 2012

Version 2.0

© 2012 The Trustees of Columbia University in the City of New York and its Center for Environment, Economy, and Society

All rights to all data, information, tables, graphs, logos, designs, inferences, lines of argument, suppositions, premises, and other content appearing in this document, including its attachments, schedules, and exhibits, are hereby reserved to The Trustees of Columbia University in the City of New York and its Center for Environment, Economy, and Society and may not be reproduced, downloaded, disseminated, published, or transferred in any form or by any means, except with the prior written permission of The Trustees of Columbia University in the City of New York and its Center for Environment, Economy, and Society.

THE RAINFOREST STANDARD

Integrating Social, Environmental, and Economic Well-being

PARTICIPANTS

Lead Authors

James J. Warfield¹, Natalia Arango², Humberto Cabrera³, and Don J. Melnick^{1,4}

¹Center for Environment, Economy and Society (CEES), Columbia University,
United States

²Fondo para la Acción Ambiental y la Niñez (Fondo Acción), Colombia

³Fondo de Promoción de las Áreas Naturales Protegidas del Perú (PROFONANPE),
Perú

⁴Department of Ecology, Evolution and Environmental Biology, Columbia
University, United States

Executive Committee

Don Melnick – Director, Center for Environment, Economy and Society (CEES),
Columbia University, United States

José Luis Gómez - Executive Director, Fondo para la Acción Ambiental y la Niñez
(Fondo Acción), Colombia

Pedro Wilson Leitão - Executive Director (1995 – 2010), Fundo Brasileiro para
Biodiversidade, (FUNBIO), Brasil

Rosa Lemos de Sá – Executive Director (2010 – present), Fundo Brasileiro para
Biodiversidade, (FUNBIO), Brasil

Alberto Paniagua - Executive Director, Fondo de Promoción de las Áreas
Naturales Protegidas del Perú (PROFONANPE), Perú

Samuel Sanguenza - Executive Director (2001 – 2011), Fondo Ambiental Nacional
(FAN), Ecuador

Diego Burneo - Executive Director (2011 – present), Fondo Ambiental Nacional
(FAN), Ecuador

Juan Carlos Chávez - Executive Director, PUMA Fondo Ambiental, Bolivia

James J. Warfield - Center for Environment, Economy and Society (CEES),
Columbia University, United States

Project Administration

Center for Environment, Economy and Society (CEES), Columbia University,
United States: Tatiana Alves, Faith Wamalwa, Edward Kere, Judith
Bosire, Veronicah Mwaniki, James J. Warfield, Don Melnick

Fondo para la Acción Ambiental y la Niñez, Colombia: Natalia Arango, German
Botero, José Luis Gómez.

Biodiversity Advisory Team

Don Melnick (Chair) – Columbia University, United States
Natalia Arango – Fondo Acción, Colombia
Angelo dos Santos – FUNBIO, Brasil

Economic and Finance Advisory Team

Brian Murray (Chair) – Duke University, United States
Mónica Castro – Bolivia
José Andrés Díaz – Colombia
Jorge Ellegreen – Perú
Roberto Salazar – Ecuador
James J. Warfield – Columbia University, United States
Carlos Eduardo Young – Brasil

Legal and Regulatory Advisory Team

Rubén Kraiem (Chair) – Covington & Burling, LLP, United States
Jose Luis Capella - Peru
Ludovino Lopez – Brasil
Inés Manzano – Ecuador
María del Pilar Pardo – Colombia
Beatriz Parodi – Perú
Silvia Urrutia – Bolivia
James J. Warfield – Columbia University, United States

Science and Technology Advisory Team

Ruth de Fries (Co-Chair) - Columbia University, United States
Holly Gibbs (Co-Chair) – Stanford University, United States
Natalia Arango – Fondo Acción, Colombia
Eduardo Calvo - Perú
Gilvan Meira – Brasil
Mauricio Meira – Brasil
Don Melnick – Columbia University, United States
Rodrigo Sierra – Ecuador, and University of Texas, United States
Zulma Villegas – Bolivia

Socio-Economic Socio-Cultural Advisory Team

Christine Padoch (Co-Chair) – New York Botanical Garden, United States
Miguel Pinedo-Vasquez (Co-Chair) – Columbia University, United States
Mónica Castro – Bolivia
Claudia Maria Correa - Colombia
Vladimir Gil – Perú
Leonardo Hasenclever – Brasil
Xavier Izko Gaston - Ecuador
Hernán Salamanca – Colombia

Independent Reviewers

Frédéric Achard, Joint Research Centre, European Commission

Biofílica - Brazil

Eduardo S. Brondizio, Indiana University, United States

Toby Gardner, University of Cambridge, United Kingdom

Susanna Hecht, University of California Los Angeles, United States

William Laurence, James Cook University, Australia

William E. Magnusson, National Institute for Amazonian Research (INPA), Brazil
markit™

Jacob Olander, EcoDecisión, Ecuador

Acknowledgement

The expert work and the development of *The RFS* were made possible through the generous financial support of Cargill International, SA, with special thanks to Michael Dwyer.

THE RAINFOREST STANDARD

Integrating Social, Environmental, and Economic Well-being

STRUCTURE: REQUIREMENTS AND PROTOCOLS

[Methodologies]

The Rainforest Standard consists of *Requirements* and protocols organized into five subject Sections: *Initial Conditions* (IC1-3) requiring a description of the natural, social, and legal status of the project area at the outset; Socio-cultural and Socio-economic requirements (S1-3), biodiversity considerations (B1-7), emission reduction considerations (ER1-5), and administrative operations (A1-8). A Glossary follows the five subject sections. Exhibits, Schedules, Templates, and an Appendix (*RFS Interactive Permanence Tool* link) follow the Glossary.

Initial Conditions	Socio-Cultural Socio-Economic	Biodiversity	Emission Reductions	Administration	Glossary
IC1: <i>Project Area Initial Conditions</i>	S1: Identifying and respecting de facto rightsholders	B1-1 to B1-3: Benchmarks	ER1: <i>Project Additionality</i>	A1: <i>RFS Website and Project Webpage</i>	Exhibits
				A2: <i>Experts, Representative Organizations, Commentators and Referees</i>	Schedules
IC2: <i>Project Participants</i>	S2: Transparency	B1-4 to B1-6 Monitoring, Reporting, Verification	ER2: <i>Emission Reduction Additionality and Baselines</i>	A3: <i>Project Validation</i>	Templates
				A4: Monitoring, Reporting, Verifying	Appendix
IC3: Legal Foundation	S3: Sustainable Quality of Life Benefits	B1-7: Data	ER3: CO ₂ e Emission Reduction Calculations	A5: <i>Crediting Period, Project Life, Permanence Period</i>	
				A6: Credit Registration, Transfer, Retirement	
			ER4: <i>Leakage</i>	A7: Defaults and Remedies	
			ER5: <i>Permanence</i>	A8: Fees A9: Miscellaneous	

THE RAINFOREST STANDARD

Integrating Social, Environmental, and Economic Well-being

GLOSSARY, EXHIBITS, SCHEDULES, TEMPLATES, APPENDIX

Table of Contents

GLOSSARY	1
EXHIBITS	16
Exhibit A: PROJECT SUBMISSION DOCUMENT LIST	17
Exhibit B: REPRESENTATIONS	19
Exhibit C: LEGAL OPINIONS	21
Exhibit D: EXPERT AND REFEREE TASK LIST	22
Exhibit E: EXPERT AND REFEREE QUALIFICATIONS	23
Exhibit F: PROJECT SUBMISSION CHECKLIST	28
SCHEDULES	29
Schedule IC1-1_A: Approved Survey Standards Associations	30
Schedule IC1-4_A: Forest Types	31
Schedule S2-7: Financial Requirements	32
Schedule ICI-4_B: Forest Conditions	33
Schedule S3-1_A: Approved List of Forms of: Participatory Rural Appraisals, Diagnostics of Rural Participation, Sustainability Impact Statements	34
Schedule ER1-1_A: Crediting or Payments for Reducing Tree Biomass Removals	35
Schedule ER1-1_B: Contracts Related To Removal	36
Schedule ER5-5_A: Depositary List	37
Schedule ER5-5_B: RFS Current Credit Distribution Steps	38
TEMPLATES	39
Template S2-4: Rightsholder Benefit Plan Elements	40
Template S2-9B: FPIC REQUIREMENTS	41
Template: Representations	42
Template ER5: Permanence Option Template	43
Template ER5-2: Seller Guarantee	44
Template ER5-3: Third-Party Guarantee	45
Template ER5-4: Ton-Year Credit Request	46
Template ER5-5_A: Depositary Statement	47
Template ER5-5_B: PTF Distribution Request	48
Template A2-5: Expert Compensation Agreement	49
Template A6 2: Credit Transfer Report	50
APPENDIX ER5: RFS INTERACTIVE PERMANENCE TOOL	51

GLOSSARY	
TERM	DEFINITION
<i>Aboveground Carbon Emission Change</i>	ER3-1E. A calculation comparing <i>Observed vs. Expected Carbon Stock Change</i> of <i>Aboveground Tree Biomass</i> , after deducting the affects of <i>Leakage</i> . This is an estimate of C, not CO ₂ e.
<i>Aboveground Tree Biomass</i>	All natural aboveground living <i>Tree Biomass</i> that is an integral part of trees that can be obtained by their harvest (e.g. timber, branches, foliage, bark). Excluded are all forest products that cannot be obtained by the harvest of trees (e.g., grasses, soil, dead wood, nuts and seeds, berries, mushrooms, medicinal plants, and all animal biomass). Excluded is any biomass known to have developed as the result of plantings by humans.
<i>Acceptability, Conditions for</i>	ER2-2. CfA are the conditions a proposed protocol or methodology has to meet to be an Acceptable option in those cases where <i>The RFS</i> specifies that an option can be chosen if it meets certain criteria.
<i>Activity-shifting Leakage</i>	See ER4.
<i>Additional</i>	<p>A <i>Project</i> is <i>Additional</i> when it has passed the three <i>RFS</i> tests of <i>Additionality</i>: the <i>Legal Additionality Test</i>, the <i>Economic Incentive Test</i>, and the <i>Existing Incentives Test</i>; or if <i>The RFS</i> excludes the <i>Project</i> from a test.</p> <p><i>Project</i> emission reductions are <i>Additional</i> if they are below the baseline <i>Project</i> emissions established in accordance with Section ER2.</p>
<i>Additionality</i>	ER1 (<i>Project Additionality</i>); ER2 (<i>Emission Reduction Additionality</i>). The quality of being <i>Additional</i> .
<i>Alternate Baseline Methodology Report</i>	ER2-2A
<i>Assigned Expert</i>	Ibid. See A2; Exhibits D and E. An expert at the top of <i>The RFS Expert List</i> with the minimum qualifications required for the task required by the relevant section.
<i>Automatic Review</i>	A2-4. A review of <i>Project Proponent Expert</i> submission required automatically; a <i>Commentary Dispute</i> is not needed to generate the <i>Expert Review</i> .
<i>Average Endowment Rate of Return</i>	ER5-5 A rate that is the highest of benchmark rates selected by <i>RFSMU</i> and posted on <i>The RFS Website</i> . Rates may be country-specific. The rate for any given calendar year shall be determined based on either 3-year rolling average for immediately prior years, or as of: the first day of December of the immediately preceding year if the benchmark specifies a rate on a given day.
<i>Belowground Tree Biomass</i>	ER3: Root systems of <i>Aboveground Tree Biomass</i> . Excludes

	soil.
Belowground Adjustment Report	ER3-4: A report submitted by <i>Proponent Expert</i> that requests an increase in the standardized addition for Belowground Biomass.
Benchmark Eligible Forested Land Map	IC1-4
Biodiversity	B1: An umbrella concept that refers to two of the three levels of biological organization: the species level, and the ecosystem level. The genetic level, generally considered one of the three elements of biodiversity, is excluded from <i>The RFS</i> operational definition because changes at that level are impracticably fine-grained in the context of forest projects.
Biodiversity Benchmark, Project	See <i>Project Biodiversity Benchmark</i>
Biodiversity Recovery Plan	B1-5C Either a <i>Habitat Recovery Plan</i> or a <i>Ecological Indicator Group Recovery Plan</i> .
Biodiversity Recovery Plan Excuse	B1-5F.
Biodiversity Suspension Appeal	B1-5F.
Buffer System, Qualified	ER5-6; see also, <i>RFS Interactive Permanence Tool</i>
Carbon (C)	The element Carbon. Atomic number 6.
carbon dioxide equivalent (CO₂e)	<i>Carbon (C)</i> * 3.67. One ton of C = 3.67 tCO ₂ e.
Carbon Emission Change: Gross; Net	ER3-1
Carbon Stock Adjustment	ER3-1J. An adjustment every 5 years to account for degradation that may not have been picked up if the remote-sensing resolution used for intervening verifications was greater than 1m.
Carbon Stock Benchmark	ER3-1, Step 1. An estimate of C in <i>Aboveground Tree Biomass</i> in <i>Project Area's Forested Land</i> on the <i>Project Start Date</i> .
Carbon Stock Expert	ER3-1C2 Step 3; Exhibit D, Exhibit E
Carbon Verification Map	ER3-1C1a. A map showing the <i>Eligible Forested Lands</i> used to calculate the <i>Observed Carbon Stock Change</i> between <i>Verification Dates</i> .
Commentary Concurrence	A2-1C
Commentary Dispute	A2-1C
Commentator	A2-1
Commentator Response	A2-2B
Community Document	A written document representing the decision of a community with respect to any issue in question signed by those who have the traditional, customary, and legal authority to do so. The document must provide satisfactory evidence that every individual on whose behalf the

	document purports to speak acknowledges being offered a full opportunity to understand the content of the document, to ask any questions they might have about the contents of the document, to receive replies to such questions they deem adequate, and to provide his or opinions about the content. The document must represent that each member of the community acknowledges that the document reflects the decisions of the community with respect to the contents of the document including but not limited to any agreements, understandings, promises, <i>representations</i> , or other commitments. Such acknowledgement shall be held to the same standard that applies to <i>Free Prior Informed Consent</i> . The document shall be in language(s) accessible to all individuals in the community.
Concessionaires	IC1-2A1c
Contiguous Use Method	ER4-5A. The general method for calculating <i>Market Leakage</i>
Credit Deficit Reduction	ER5-5F
Credit Retirement	A6-3
Credit Retirement Form	A6-3
Credit Transfer	A6-2
Credit Transfer Report	A6-2
Credit Verification	The verification of <i>RFS Credits</i> permitting their issuance and transfer, provided they have not been suspended in accordance with the conditions in S3-2E, B1-4, or A4-A1
Crediting Period	A5-1. The period between <i>Verification Dates</i>
Deadwood Adjustment	ER3-1G
Deadwood Adjustment Report	ER3-4: A report submitted by <i>Proponent Expert</i> that requests an increase in the standardized addition for <i>Deadwood Biomass</i> .
Deadwood Biomass	Biomass of formerly living <i>Aboveground Tree Biomass</i> still present in <i>Project Area's Eligible Forested Land</i> .
De Facto Rightsholder	Defined in IC1-2C2,
De Facto Rightsholder Claim	S1-5 and S1-6
De Facto Rightsholder Claim Period	S1-5
De Facto Rightsholder List	S1-1
De Facto Rightsholder Notice	S1-2 A notice prepared and published by the <i>Project Proponent</i> listing all <i>De Facto Rightsholders</i> according the <i>De Facto Rightsholder List</i> to be submitted as part of the <i>Initial Project Submission Documents</i> .
De Facto Rightsholder Notice Period	S1-2
De Jure Rightsholder	Defined in IC2-1C1
Default, Major	A7-2
Default, Minor	A7-1
Depositary	ER5-5A. An entity that holds issued <i>RFS Credits</i> on behalf of the <i>Project Proponent</i> in accordance with the rules and

	<i>Requirements of The RFS. The Depositary shall have a Financial Strength Rating of A.</i>
Depositary Statement	ER5-5A. A statement in accordance with Template ER5-5_A.
Diagnostic of Rural Participation	S3-1B2b. {Full definition required.}
Documented Prospective Removals	ER2-1. Activities that have documented evidence of intent, capacity, and authority to remove <i>Aboveground Biomass</i> .
Documented Prospective Removals Baseline	ER2-1A. Expected rate of emissions of CO ₂ e resulting from <i>Documented Removals of Tree Biomass</i> in the <i>Eligible Forested Land</i> in the <i>Project Area</i> throughout a <i>Crediting Period</i> .
Documented Prospective Removals Justification	ER2-1A1. Documentary support for the <i>Documented Prospective Removals Baseline</i> .
Documented Prospective Removals Map	ER2-1A2. A map of the prospective <i>Tree Biomass</i> removals superimposed on the <i>Forested Land Map</i> .
Documented Prospective Removal Timeline	ER2-1A3. A timeline for all <i>Documented Prospective Removals</i> that is consistent with the <i>Documented Prospective Removals Justification</i> .
Drivers Of Deforestation	ER1 Human activities that increase the threats of deforestation such as highway construction or expanding farming and ranching activity
Ecological Indicator Groups	Generally, ecological indicator groups are broad taxa or guilds that are sensitive to particular environmental changes and are likely to be consistently present in the <i>Project Area</i> throughout the <i>Project Period</i> .
Ecological Indicator Group Recovery Plan	B1-5C2.
Ecological Indicator Group Species	A subset of species chosen from among the <i>Ecological Indicator Groups</i> used to monitor changes in biodiversity. B1-2E
Ecological Indicator Groups Species Benchmark	Data describing the relative abundance of Ecological Indicator Group Species noted to be present as of <i>Project Start Date</i> .
Economic Incentive Test	ER1-2. One of three tests of <i>Project Additionality</i> . The others are the <i>Legal Additionality Test</i> and the <i>Existing Incentives Test</i> .
Eligible Forested Land	Any <i>Minimum Mapping Unit</i> on a <i>Benchmark Eligible Forested Lands Map</i> that has more than 30% of its cells identified as having <i>Aboveground Tree Biomass</i> cover. Because biomass planted by humans is excluded from the definition of <i>Aboveground Tree Biomass</i> , any <i>Aboveground Tree Biomass</i> known to have been planted by humans is defined as <i>Ineligible Forested Land</i> . In addition, in order to conform to <i>Legal Additionality Requirements</i> , all areas on the <i>Project Land Tenure Map</i> with laws, regulations or agreements that prohibit <i>Tree Biomass</i> removal entirely are defined as <i>Ineligible Forested Land</i> .

Emission Reduction Additionality	ER2 Demonstrated when carbon emission reductions exceed what would have occurred in the absence of the <i>Project</i> .
Existing Incentives Test	ER1-3 One of three tests of <i>Project Additionality</i> . The others are the <i>Legal Additionality Test</i> and the <i>Economic Incentives Test</i> .
Expert	See A2-5. An individual or firm that experts that has met the minimum qualifications associated with the task to which an <i>Expert</i> is required to be assigned
Expected Carbon Stock Change	ER3-1 Step 2. A calculation of <i>Aboveground Tree Biomass Carbon Stock Change</i> .
Failure Exemption	B1-5B5.
Failure Exemption Appeal	B1-5B5a
Failure Exemption Excuse	B1-5B5b
Failing Ecological Indicator Group	B1-5B5. Any <i>Ecological Indicator Group</i> in which 50% or more of the <i>Ecological Indicator Group Species</i> are <i>Failing Species</i> according to a <i>Project Biodiversity Report Card</i> .
Failing Species	B1-5B4. The absence of a <i>Ecological Indicator Groups Species</i> or, with respect to the <i>Project Biodiversity Benchmark</i> , a decline in relative according to the <i>Project Biodiversity Report Card</i> .
Final Project Submission Date	The date set forth in the dated notice of filing required under A3-2A.
Final Project Submission Documents	See Exhibit A. Those documents listed in <i>Requirements</i> that must be submitted in accordance with the final <i>Project Validation Protocol</i> .
Financial Statement Preparer	A firm or individual authorized by a <i>governmental authority</i> with jurisdiction to audit financial statements that has prepared the relevant <i>Project Proponent</i> or Developer financial statements.
Financial Strength Rating	<i>Financial strength rating</i> according to the criteria used by A.M. Best (or other firm(s) as identified by <i>The RFSMU</i> from time to time) or equal in the country of the <i>Project</i> .
Final Submission Consultation	S2-1-F2
Forest Condition	IC1-4E. Whether the forest is logged, mature, regrowing, or any other category specified in Schedule IC1-4E from time to time.
Forest Ecologist, Proponent	B1-5. See Exhibit E for qualifications
Forest Dwellers	IC1-2A3
Forest Ecology Expert, Assigned	B1-2, B1-4, B1-6. See Exhibit E for qualifications
Forest Resources	IC1-3B. Timber; Woody Products, dead or alive; minerals; organic or inorganic materials that can be used in any human activity.
Forest Type	IC1-4D IC1-4E. Whether the forest is riparian, moist, dry, or any other category specified in Schedule IC1-4D from time to time

Forest Type*Condition Stratification Matrix	IC1-4F
Forest Users	IC1-2A3. Those using <i>Forested Lands</i> for: subsistence harvesting of <i>Aboveground Tree Deadwood Biomass</i> ; subsistence farming; subsistence extractions of organic or inorganic materials; or similar harvesting of <i>Forested Land</i> products or resources.
Forestry Mapping Expert	IC1-5A6. See Exhibit E for qualifications.
Forestry Valuation Report	ER1-2A1. A report by a <i>Proponent Land Use Expert</i> to establish a component of the Economic Incentives Test for <i>Additionality</i> .
Free Prior Informed Consent (FPIC)	S2-9. Evidence in accordance with S2-9B that <i>Rightsholders</i> have had sufficiently accurate and complete information in a timely and culturally appropriate manner to allow a reasonable person to make an informed decision in connection with any <i>consent</i> , acknowledgment, or acceptance required of the <i>Rightsholder</i> .
Full Replacement	ER5. The operational definition of “ <i>Permanence</i> ”. The obligation to replace all issued <i>RFS Credits</i> that are “reversed” by the voluntary removal of <i>Tree Biomass</i> whose non-removal was the basis of issuance of <i>RFS credits</i> .
Full Replacement Alternative	ER5-8
Governmental Authority (Governmental Authorities)	Any government or administrative agency with jurisdiction over the activities in question in the geographical area in which the <i>Project</i> is located.
Governmental Removal Baseline	The expected annualized rate of reduction in <i>Tree Biomass</i> carbon stock in the <i>Project Area’s Eligible Forested Land</i> published by a duly authorized governmental unit (see ER2-2).
Ground-truthing	B1-1A.
Gross Carbon Emission Change	ER3-1D. Calculation of change in estimated C in <i>Aboveground Tree Biomass</i> before deducting for <i>Leakage</i> .
Habitat Recovery Plan	B1-5E1. A plan for restoring habitat to benchmark levels.
Habitat-Type	B1-1A. A term used in the <i>Biodiversity</i> section to signify <i>Forest Types</i> by <i>Forest Condition</i> identified and mapped for the <i>Benchmark Project Eligible Forested Map</i> .
Habitat-Type Benchmark	Data describing (at a minimum) the three variables listed in subsection B1-1A deemed to be present as of <i>Project Start Date</i> .
Imputed Project Termination Date	The date upon which a <i>Project</i> is deemed abandoned according to criteria in subparagraph A5-2B2.
Indigenous Peoples	The definition of <i>Indigenous Peoples</i> has varied historically. The <i>RFS</i> recognizes as <i>Indigenous Peoples</i> those that are: (a) defined or described as such by a <i>Governmental Authority</i> , or (b) consistent with the definition of <i>Indigenous Peoples</i> by all such <i>indigenous peoples</i> in any country.
Ineligible Forested Land	(a) Any <i>Minimum Mapping Unit</i> on a <i>Benchmark Forested</i>

	<p><i>Lands Map</i> that has less than 30% of its cells identified as having <i>Aboveground Tree Biomass</i> cover.</p> <p>(b) In addition, in order to conform to <i>Legal Additionality Requirements</i>, all areas on the <i>Project Land Tenure Map</i> with laws, regulations or agreements that prohibit <i>Tree Biomass</i> removal entirely shall be defined as <i>Ineligible Forested Land</i>.</p> <p>(c) Because biomass planted by humans is excluded from the definition of <i>Aboveground Tree Biomass</i>, any trees, shrubs or other <i>Aboveground Tree Biomass</i> known to have been planted by humans is defined as <i>Ineligible Forested Land</i>.</p>
Initial Conditions	IC1 – IC3. Refers generally to conditions at the <i>Project Area</i> when project development is initiated: including its legal boundaries, tenure, <i>Project Participants</i> , activity, and <i>Eligible Forested Lands</i> conditions on the <i>Project Submission Document Date</i> .
Initial Project Submission Date	The date set forth in the dated notice of filing required under A3-1A.
Initial Project Submission Document	Any document listed in Exhibit A and throughout <i>The RFS</i> that must be submitted as part of the <i>Initial Project Submission Document</i> package set forth in A3-1.
Intermediary	ER5-3. Any individual or entity that receives consideration for its participation in the transfer of a credit from a <i>Project Participant</i> to an <i>Offset Purchaser</i> , including a seller's agent, attorney, broker, NGO, or investor. Specifically excluded are <i>governmental authorities</i> that merely authorize the transfer or tax the transfer; however, a <i>governmental authority</i> that actively participates in a transfer and receives consideration therefore is considered to be an <i>Intermediary</i> .
Involuntary Removal Report	A report by a <i>Proponent Forest Ecologist</i> in accordance with ER5-9-B1(b) in support of the claim that a removal is involuntary
IPCC	Intergovernmental Panel on Climate Change
Leakage	ER4. Activities that move beyond the <i>Project Area</i> boundaries as the result of actions inside the <i>Project Area</i> . When used alone, the term refers to the cumulative effects of both <i>Activity-shifting</i> and <i>Market Leakage</i> .
Leakage Alternative Deduction Report	ER4-6. A report by the <i>Proponent Leakage Expert</i> in support of the claim that actual <i>Leakage</i> (either <i>Activity-shifting</i> or <i>Market</i> or both) will be lower than their standard deductions.
Leakage Deduction	ER3-1E Step 5. Multiply applicable <i>Leakage</i> rate times <i>Gross Carbon Emission Change</i> to arrive at the <i>Leakage Deduction</i> .
Leakage Expert, Proponent	ER4-6
Legal Additionality Test	ER1-1 One of three tests of <i>Project Additionality</i> . The others are the <i>Economic Incentive Test</i> and the <i>Existing Incentives Test</i> .
Legal Opinion	All <i>Legal Opinions</i> must comply with the following: 1. Lawyer Qualifications:

	<p>a. Education: graduate of accredited law school. b. Experience: Admitted to practice for 10 years in the legal jurisdiction in which the <i>Project</i> is located, with a practice (i) in the field for which the Opinion is rendered, and (ii) in the geographical area in which the <i>Project</i> is located.</p> <p>b. Position: partner in a law firm consisting of at least 3 partners</p> <p>c. CV must be provided</p> <p>2. Form of opinion</p> <p>a. Unconditional opinion required</p> <p>b. No disclaimers</p> <p>3. Public disclosure on <i>RFS Website</i> and <i>Project Webpage</i> of:</p> <p>a. name of attorney</p> <p>b. name of firm</p> <p>c. CV of attorney</p> <p>d. CV of firm</p> <p>e. the <i>Legal Opinion</i> contents</p>
Life plan	A formalized document produced by an Indigenous People or a community pursuant to the written <i>Requirements</i> of an organization of <i>Indigenous Peoples</i> and/or a community which organization is recognized by a <i>Governmental Authority</i> .
Local Zonation	Actual practices in the <i>Project Area</i> . IC1-3; S1.
Major Default	A7-2 describes events defining a <i>Major Default</i> .
Market Leakage	ER4 <i>Leakage</i> from the demand for the product no longer produced in the <i>Project Area</i> .
Market Leakage Report	ER4-4B
Master Rightsholder Benefit Plan	S2-5. A document provided by <i>Project Proponent</i> consolidating all <i>Rightsholder Benefit Plans</i> .
Minimum Mapping Unit (MMU)	A square area not greater than 900 square meters (30m*30m).
Minor Default	A7-1 describes events defining a Minor Default .
Nationally Appropriate Mitigation Action (NAMA)	IC3-2E Policies and actions undertaken by a <i>Governmental Authority</i> as part of a national commitment to reduce greenhouse gas emissions.
Natural Fire Report	ER5-10A. Report from <i>Proponent Forest Ecologist</i> that in her/his professional opinion the burning has the attributes of accidental rather than human-induced burning.
Net Carbon Emission Change	ER3-1H. A calculation of <i>Observed vs. Estimated Carbon Stock Changes</i> in C of <i>Tree Biomass</i> (Aboveground, Belowground, and deadwood), net of <i>Leakage</i> . This is an estimate of C, not CO ₂ e.
Observed Carbon Stock	ER3-1C1: Carbon stock estimate as of <i>Verification Date</i> .
Observed Carbon Stock Change	ER3-1C2. Difference between <i>Observed Carbon Stock</i> on the a <i>Verification Date</i> from the <i>Observed Carbon Stock</i> on the immediately preceding <i>Verification Date</i>

Offset Purchaser	A buyer that uses the credit as an offset in a compliance system. ER5
Participant Acknowledgement	A Requirement that each <i>Project Participant</i> other than a <i>Governmental Authority</i> acknowledge certain facts specified in subsection S2-3.
Participatory Consultations	Workshops or meetings (or other forms of communication sanctioned by authorized members of the <i>Rightsholder</i>) publicized and open to all to inform all members of each <i>Rightsholder</i> of certain matters related to the <i>Project</i> as required by S2-1.
Participatory Rural Appraisal	S3-1B2b [To be defined].
Peer-reviewed Literature	An article published in a scholarly journal that, prior to acceptance for publication, requires review by independent scholars who are experts in the field.
Permanence	ER5 (<i>Requirements</i>). Operationalized to mean the <i>Full Replacement</i> of issued credits in the event of a <i>Reversal</i> during the <i>Permanence Period</i> . See <i>Reversal</i> and <i>Full Reversal Replacement</i>
Permanence Option Template	See Section ER5 and Template ER5.
Permanence Period	100 years from a <i>Project Start Date</i>
Permanence Trust Fund	ER5-6
Permissible QOL Baselines	S3-1B2 A baseline established to measure changes in Quality of Life supported by a <i>QOL Validation Certificate</i> provided by the <i>Proponent QOL Expert</i>
Pre-Submission Consultation	A set of two <i>Participatory Consultations</i> taking place prior to the <i>Initial Project SubmissionDate</i> in accordance with S2-1F1,
Post-Project Liability	ER5 Throughout the <i>Permanence Period</i> , liability for <i>Full Replacement</i> at the end of the <i>Project Period</i> , i.e. on the <i>Project Termination Date</i>
Principle of Inclusion	The principle that anyone in a position on the ground to remove <i>Tree Biomass</i> from the <i>Project Area Forested Lands</i> should be a <i>Project Participant</i> and engaged throughout the <i>Project Period</i> . IC2;
Principle of Participatory Consultation	The principle that all <i>Project Participants</i> are necessary parties to <i>project</i> planning and implementation throughout the life of the <i>Project</i> . IC2
Project	The set of activities within a <i>Project Area</i> as proposed by a <i>Project Proponent</i> and validated under <i>The RFS</i> designed to reduce CO ₂ e emissions from the voluntary removal of <i>Tree Biomass</i> from the <i>Forested Lands</i> in the <i>Project Area</i> .
Project Abandonment	Defined in subsection A5-3b2. Gives rise to an <i>Imputed Project Termination Date</i> .
Project Additionality	ER1. Evidence required under <i>The RFS</i> that the <i>Project's</i> protective activities were not required by law, regulation or contract; were not incentivized by economic benefits; and are not undertaken pursuant to an incentive system other

	than <i>The RFS</i> .
Project Area	Defined in subsection IC1-1A.
Project Biodiversity Benchmarks Assessment	B1-1. An assessment by the <i>Proponent Forest Ecologist</i> of <i>Habitat-Type</i> variable data and <i>Ecological Indicator Group Species</i> abundance and distribution deemed to exist on the <i>Project Start Date</i> , established to measure changes in <i>Biodiversity</i> in the <i>Project Area</i> during the <i>Project Period</i> .
Project Biodiversity Monitoring Protocol	B1-3A. The protocol prepared by a <i>Proponent Forest Ecologist</i> for monitoring the impact of human activities on biodiversity in the <i>Project Area</i> during the <i>Project Period</i> .
Project Biodiversity Monitoring Report	B1-3B. A report prepared by a <i>Proponent Forest Ecologist</i> detailing the results of the <i>Project Biodiversity Monitoring Protocol</i> .
Project Biodiversity Report Card	B1-5B. A comparison prepared by <i>The RFSMU</i> of the measurements in the <i>Project Biodiversity Monitoring Report</i> and the <i>Project Biodiversity Benchmarks</i> and previous <i>Project Biodiversity Monitoring Reports</i> .
Project Boundary	ER4-5A The boundary line shown on the <i>Project Boundary Map</i> .
Project Boundary Map	Defined in ICI-1
Project Developer	IC2-1B. Individual(s) or entity designated by legally binding authority from the <i>Project Proponent</i> to prepare and submit documents required by <i>The RFS</i> , to act as <i>Project Proponent's</i> agent throughout the validation process, to modify submissions, to make <i>representations</i> as required in <i>The RFS</i> , or to otherwise act on behalf of the <i>Project Proponent</i> during a <i>Project Validation Protocol</i> .
Project Emission Baseline	ER2. Expected rate of emissions of CO ₂ e resulting from <i>Removals of Aboveground Biomass</i> in the <i>Eligible Forested Land</i> in the <i>Project Area</i> throughout a <i>Crediting Period</i> .
Project Emission Change	ER3-1I. Change in estimated tCO ₂ e emissions resulting from <i>Removals of Tree Biomass (Aboveground, Belowground, and Deadwood)</i> in the <i>Eligible Forested Land</i> in the <i>Project Area</i> throughout a <i>Crediting Period</i> . <i>Net Carbon Emission Change</i> (a measure of C rather than Co ₂ e) times 3.67.
Project Land Tenure Map	Map described in ICI-2A
Project Participant	Defined in IC2-1: <i>Project Proponent, Project Developer, Rightsholders</i> (de jure and de facto), and <i>governmental authorities</i> with jurisdiction.
Project Participant Identification Document	IC2. A complete list of all <i>Project Participants</i> in the <i>Project Area</i> .
Project Period	A term of years beginning on the <i>Project Start Date</i> and ending on the <i>Project Termination Date</i> .
Project Proponent(s)	IC2-1A . Individual(s) or legal entity proposing the <i>Project</i> that has the right to trade carbon emission reductions stemming from reducing removal of <i>Tree Biomass</i> from <i>Eligible forested lands</i> in the <i>Project Area</i> . <i>Project Proponent</i>

	may act as <i>Project Developer</i> .
Project PTF Account	ER5-5A. Issued <i>RFS Credits</i> placed in the account of the <i>Project</i> held in trust or escrow by a <i>Depository</i> and for which a quarterly <i>Depository Statement</i> is provided to the <i>Project Proponent</i> and placed on the <i>Project Webpage</i> .
Project Start Date	A5-2A. The 61st day following the <i>Project Validation Date</i> .
Project Submission Checklist	A3-1. See Exhibit F.
Project Termination Date	A5-2. The date on which the <i>Project</i> is deemed terminated; the end of the <i>Project Period</i> .
Project Validation Protocol	A3
Project Webpage	Each <i>Project</i> will have its own webpage on <i>The RFS Website</i> with the attributes listed in A1-2.
Proponent Baseline Expert	ER2-2. A <i>Proponent Expert</i> responsible for preparing an <i>Alternate Baseline Methodology Report</i> . See Exhibits D and E for Tasks and Qualifications.
Proponent Carbon Stock Expert	ER3-1 Step 3 See Exhibits D and E for Tasks and Qualifications.
Proponent Disclosure	A written disclosure statement to each <i>Project Participant</i> in accordance with the <i>Requirements</i> of S2-1.
Proponent Expert	Ibid. An expert selected by <i>Project Proponent</i> with the minimum qualifications required for the task required by the relevant <i>Requirements</i> section. See Exhibits D and E for Tasks and Qualifications.
Proponent Full Replacement Alternative Expert	ER5-6, 8, 9. See Exhibits D and E for Tasks and Qualifications.
Proponent Forest Ecologist	B1-5. Forest Ecologist designated by <i>Project Proponent</i> . See Exhibits D and E for Tasks and Qualifications.
Proponent Land Use Expert	ER1-2. Land Use <i>Expert</i> designated by <i>Project Proponent</i> . See Exhibits D and E for Tasks and Qualifications.
Proponent QOL Expert	S3-1. Quality of Life <i>Expert</i> designated by <i>Project Proponent</i> . See Exhibits D and E for Tasks and Qualifications.
Protected Area	Any area designated by a <i>Governmental Authority</i> , (including so-called <i>protected areas</i> , national parks, national forests or equivalent designations) for the purpose of the long-term conservation of nature in the area with associated ecosystem services and cultural values.
Protected Area Exception	ER1-1D. An exception to the strict <i>Legal Additionality Test</i> that is applied only to <i>Protected Areas</i> .
Protected Area Illegal Removal Period	ER1-1D1. A period starting after the <i>Protected Area</i> was constituted, and not more than ten (10) years prior to the <i>Initial Project Submission Date</i>
Public Comment Period	A2-1B. The time allowed for <i>Public Commentary</i> with respect to validation, verification, or <i>project</i> activities..
Public Commentary	Comments in accordance with the <i>Requirements</i> of A2 on <i>Initial</i> or <i>Final Project Submission Documents</i> , on <i>Verification Requests</i> , on responses to <i>Public Commentary</i> , or other matters as described in A2.

Publications	Includes “grey literature” unless otherwise specified, e.g. as required to be published in <i>Peer-reviewed Literature</i> .
QOL	Acronym for Quality of Life. Ibid.
QOL Benchmark	S3-1B1. Either the <i>Validated</i> or the <i>Permissible QOL Benchmark</i> .
QOL Document	S3-1. A document from each <i>Project Participant</i> that is an Indigenous or traditional people or other forest-dependent group (whether a <i>De Jure Rightsholder</i> or on the <i>De Facto Rightsholder List</i>) describing their plans, if any, for sustainably maintaining or improving any two <i>QOL Domains</i> .
QOL Domain	S3-1 Any of the following where changes are measured, monitored, and verified: Household income; access to health care; type and security of land and resource tenure; education; sustainable <i>Forested Lands</i> Resource Use; diversity of income sources; level of conflict over resources; regional and extra-community relations; infrastructure facilities; use of traditional integrated forest management practices.
QOL Domain Goal	S3-1E. <i>projected</i> improvement in <i>QOL Domain</i> in relation to its <i>QOL Baseline</i> .
QOL Monitoring Plan	S3-1F The protocol prepared by a <i>Proponent QOL Expert</i> for monitoring changes in <i>QOL Domains</i> selected by <i>Project Participants</i> for measurement during the <i>Project Period</i> .
QOL Report	S3-1F3 A report prepared by a <i>Proponent QOL Expert</i> detailing the results of the <i>QOL Monitoring Plan</i> .
QOL Report Card	S3-2B A comparison prepared by <i>The RFSMU</i> of the measurements in the <i>QOL Report</i> and the <i>QOL Baseline</i> in the <i>QOL Domain</i> selected by <i>Project Participants</i> for measurement during the <i>Project Period</i> .
QOL Validation Certificate	S3-1B2d. For any <i>QOL Baseline</i> to be deemed a <i>Permissible QOL Baseline</i> , a <i>QOL Validation Certificate</i> must be provided by the <i>Proponent QOL Expert</i> .
Qualified Buffer System	A buffer system for assuring <i>Permanence</i> by meeting the <i>Requirements</i> of subsection ER5-7.
Qualified Buffer System Report	ER5-6D. A report in support of the use of a <i>Qualified Buffer System</i> prepared by a <i>Proponent Full Replacement Alternative Expert</i> .
Quality of Life Benefits (QOL Benefits)	S3-1
Referee	An <i>Expert</i> whose function is to act as a <i>Referee</i> under the <i>Referee Protocol</i> .
Referee Decision	S2-3.
Removals	A reduction in <i>Tree Biomass</i> between two points in time.
Representation	Good faith <i>representation</i> that a Requirement has been met or that the facts represented are accurate and complete in all material respects to the best of the knowledge and belief of the person or entity making the <i>Representation</i> after a full,

	good faith investigation.
Representation, Personal:	<i>Representation</i> by top responsible individual of organization.
Representation, Entity	<i>Representation</i> by individual or entity duly authorized to bind the organization.
Representative Organizations	1. Federation or NGO officially designated by a <i>Governmental Authority</i> as representing a group that is a potential <i>de facto</i> rightsholder. 2. Federation or NGO designated on Schedule __ as representing a group that is a potential <i>de facto</i> rightsholder.
Requirements	The specific <i>Requirements</i> set forth in each section of The Rainforest Standard .
Resource Use Territories	Areas of <i>Resource Use</i> . IC1-3.
Resource Uses	Natural resources used by local groups, especially those used with local traditional knowledge. IC1-3; S1.
Reversal	ER5-9. The voluntary, human-induced removal of <i>Tree Biomass</i> that had previously generated a <i>RFS Credit</i> for having stored carbon in that <i>Tree Biomass</i> (e.g. intentional harvesting.)
Reversal: involuntary	ER5-9. <i>Removals</i> of <i>Tree Biomass</i> that were human induced but not done or allowed voluntarily by <i>Project Proponent</i> (e.g. fires started by negligence; actively monitored and resisted illegal harvesting).
Reversal: human-induced	ER5-9. <i>Removals</i> of <i>Tree Biomass</i> resulting from human activity rather than natural occurrences such as fire caused by lightening, drought, or disease.
Reversal: voluntary	ER5-9. Intentional removals of <i>Tree Biomass</i> .
Rainforest Standard Monitoring Unit or RFSMU	The organization(s) responsible for exercising the functions described as being performed by <i>The RFSMU</i> .
RFS	Abbreviation for The Rainforest Standard
RFS Credit	ER3-2A. An emission reduction credit authorized to be issued by an <i>RFSMU</i> in accordance with the <i>Requirements</i> , terms and conditions of <i>The RFS</i> . Each <i>RFS Credit</i> represents one ton of CO ₂ e emission reductions.
RFS Debit	ER3-2B. A debit required to be deducted from <i>RFS Credit</i> balance in <i>Project Proponent's RFS Credit</i> account in accordance with the <i>Requirements</i> of <i>The RFS</i> . Each <i>RFS Debit</i> represents one ton of CO ₂ e emission reductions.
RFS Interactive Permanence Tool	An interactive tool that allows the comparison of <i>Permanence</i> options based on a variety of variables, including area, carbon density, documented or projected baseline removal rates, leakage rate, price, buffer percentage, <i>Reversal</i> size and timing, et al. See Appendix ER5 for link.
RFSMU	An acronym standing for RFS Management Unit – the organization responsible operational functions of <i>The RFS</i> as described in the <i>Requirements</i> .
RFS Website	The website operated by <i>The RFS</i> or its <i>RFSMU</i> on which is posted <i>The RFS</i> information described in A1-1. Each <i>Project</i>

	<i>Webpage</i> is also available on <i>The RFS Website</i> .
Rightsholder	A term that refers to <i>De Jure</i> and <i>De Facto Rightsholder</i> collectively.
Rightsholder Benefit Plan	Generally, a description of all benefits of any kind that may be received by the <i>Rightsholder</i> during the <i>Project Period</i> See subsection S2-4 for specific <i>Requirements</i> .
Rightsholder Benefit Plan	A document prepared by <i>Project Proponent</i> detailing the risks that <i>rightsholders</i> may be subject to. See subsection S2-8 for specific <i>Requirements</i> .
Rightsholder Risk Acknowledgment	A document signed by <i>de facto rightsholders</i> acknowledging their receipt of the <i>Rightsholder Benefit Plan</i> and accepting the risks detailed therein. See subsection S2-8 for specific <i>Requirements</i> .
Seller Guarantee / Seller Guarantor	Any one or more individuals or entities defined in subsection ER5-2 as a “Seller” can provide all or part of a <i>Seller Guarantee</i> (such individual or entity: “ <i>Seller Guarantor</i> ”). For the purposes solely of subsection ER5-2, a “Seller” is any <i>Project Participant</i> and any <i>Intermediary</i> between a <i>Project Participant</i> and an <i>Offset Purchaser</i> , as well as any partner of a <i>Project Participant</i> or <i>Intermediary</i> .
Suspended Biodiversity Verification	B1-5D. A procedure by which credits that would otherwise be issued, have their issuance suspended until there has been compliance in accordance with B1-4E-F.
Suspended QOL Verification	S3-2E. A procedure by which credits that would otherwise be issued, have their issuance suspended until there has been compliance in accordance with S3-2E.
Sustainability Impact Assessment	S3-1B2b [To be provided]
Tax Preparer	A firm or individual licensed to prepare tax returns that has prepared the relevant <i>Project Proponent</i> or Developer tax return.
Temporary RFS Credit	Described and defined in Section ER5-7.
Tenure Table	A Table described in ICI-2B often accompanying a <i>Project Land Tenure Map</i> .
Termination Date Notice	A notice from the <i>Project Proponent</i> pursuant to Section A5-2 that advises <i>The RFSMU</i> of the <i>Project Termination Date</i> .
The RFS	Abbreviation for The Rainforest Standard
Third-Party Guarantee/Guaranty	Described and defined in ER5-3.
Ton-Year Accounting	A <i>Permanence</i> mechanism described in Section ER5-4.
Ton-Year Credit Request	ER5-4A. A notice from <i>Project Proponent</i> opting to use <i>Ton-Year Accounting</i> .
Tree Biomass	Defined as <i>Aboveground Tree Biomass</i> plus <i>Belowground Tree Biomass</i> plus <i>Deadwood Biomass</i> .
Validated QOL Baseline	Data describing a baseline for a <i>QOL Domain</i> covering a community within the <i>Project Area</i> , published by a <i>Governmental Authority</i> , recognized NGO, or <i>Peer-reviewed</i>

	<i>Literature</i> not more than five years old. See subsection S3-1B1.
Validated Removals Baseline	ER2-2A. The expected annualized rate of reduction in <i>Tree Biomass</i> carbon stock in the <i>Project Area's Eligible Forested Land</i> that can be used if no <i>Governmental Removals Baseline</i> is available.
Validation Consultation	S2-1F3. Consultation between <i>Project Proponent</i> and <i>De Facto Rightsholder</i> subsequent to each <i>Validation Date</i> .
Validation Certificate	A document issued by <i>The RFSMU</i> in accordance with subsection A3-3 certifying the completion of <i>Final Project Submission Documents</i> in accordance with <i>RFS Requirements</i> , and the <i>Validation Date</i> .
Validation Date	The date as of which the <i>Project</i> has been validated as per the <i>Validation Certificate</i> .
Verification Certificate	A5
Verification Consultation	S2-1F4. Consultation between <i>Project Proponent</i> and <i>De Facto Rightsholder</i> subsequent to each <i>Verification Date</i> .
Verification Date	A document issued by <i>The RFSMU</i> in accordance with subsection A4-2A2 certifying the date identified by the <i>Project Proponent</i> as the date on which the <i>Credit Verification</i> shall be deemed to have occurred for purposes of calculating <i>RFS Credits</i> , <i>Quality of Life</i> compliance, <i>Biodiversity</i> compliance, and related matters.
Verification Request	A4-2A1 The form submitted requesting <i>RFS credit verification</i> .

EXHIBITS

Exhibit A: PROJECT SUBMISSION DOCUMENT LIST

Location	Document	Req'd	Contingent	Initial	Final	Verification
IC1-1	<i>Project Boundary Map</i>	x		X		
IC1-2	<i>Project Land Tenure Map</i>	X		X		
IC1-2	Tenure Table	X		X		
IC1-3	Project Activities Map	X		X		
IC1-4	<i>Benchmark Eligible Forested Lands Map</i>	X		X		
IC1-4	<i>Forest Type*Condition Matrix</i>	X		X		
IC2-1/2	<i>Project Participant Identification Document</i>	X		X		
IC3-1	Documentary Evidence for <i>Project</i> land Tenure Map and Table	x		x		
IC3-2A-G	Documentary Evidence for Right to Transfer Carbon Emission Reductions for Value	x		x		
IC3-2E	If governmental registration system in place, evidence of compliance		x	x	x	x
S1-1	DFR List	X		x		
S1-3	DFR Notice Provided	x		x		
S1-4	DFR Claim		X	x		
S2-1	<i>Proponent Disclosure</i>	X		x		
S2-2A	<i>Pre-Submission Consultation Compliance</i>		x	x		
S2-2B	<i>Final Submission Consultation Compliance</i>		X		x	
S2-2C	<i>Validation Consultation Compliance</i>		x			x
S2-2C	<i>Verification Consultation Compliance</i>		x			x
S2-3	<i>Project Participant Acknowledgment</i>		x	x		
S2-4	<i>Rightsholder Benefit Plan</i>		X		x	
S2-5	<i>Master Rightsholder Benefit Plan</i>		x		x	
S2-6	<i>Master Rightsholder Benefit Plan compliance</i>		x			x
S2-8	<i>Rightsholder Benefit Plan</i>		X		x	
S2-8	<i>Rightsholder Risk Acknowledgment</i>		X			
S2-9	Free Prior Informed Consent compliance	x			x	
S3-1	<i>QOL Document</i>		X		x	
S3-2A	<i>QOL Report</i>	x				x
B1-1	<i>Project Biodiversity Benchmark</i>	x			x	
B1-3	<i>Project Biodiversity Monitoring Protocol</i>	X			x	
B1-3B; B1-4	<i>Project Biodiversity Report</i>	X				x
B1-4	<i>Biodiversity Recovery Plan</i>		X			x

Location	Document	Req'd	Contingent	Initial	Final	Verification
B1-7	Alternative to Recommended Protocol – Technical Report		X	x		
ER1-1	Legal <i>Additionality</i> documentation	x		x		
ER1-2	Economic Valuation documentation	X		x		
ER1-3	<i>Existing Incentives Test</i> documentation	x		x		
ER2-1	<i>Documented Prospective Removals Justification</i>		x	x		
ER2-2	<i>Alternate Baseline Methodology Report</i>		X	x		
ER3-1A	<i>Carbon Stock Benchmark</i>	x			x	
ER3-1B	Expected Carbon Stock calculations	x			x	
ER3-1C	Carbon Stock Verification Map	X				X
ER3-1D	<i>Gross Carbon Emission Change</i>	X				X
ER3-1E	<i>Leakage Deduction</i> calculation	x				X
ER3-1F	Belowground Emission Reduction calculation	x				x
ER3-1G	Deadwood Emission Reduction calculation	x				x
ER3-1H	<i>Net Carbon Emission Change</i>	X				X
ER3-1I	<i>Project Co2e Emission Change</i>	X				X
ER3-1J	<i>5-year Carbon Stock Adjustment</i>		x			X
ER4-5	<i>Market Leakage Report</i>	X			x	x
ER4-6	<i>Leakage Alternative Deduction Report</i>		x		x	x
ER5	<i>Permanence Option Template: Form selecting Full Replacement option(s).</i>	X		x		
ER5-5	<i>Ton-Year Credit Request</i>		x			x
ER5-9	<i>Full Replacement Alternative Report</i>		X	x	x	x
ER5-10	<i>Natural Fire Report</i>		X			x
ER5-10	<i>Involuntary Removal Report (logging)</i>		X			x
A2-2	<i>Project Response</i>		x	x	x	x
A4-2	<i>Verification Request</i>					x
A5-B2	<i>Project Termination Date Notice</i>	x			x	
A5-B2	<i>Revised Project Termination Date</i>		x		x	x
A6-2	<i>Credit Transfer Report</i>		x			
A6-3A	<i>Credit Retirement Report</i>		x			
A6-3B	<i>Credit Retirement Form</i>		x			

Exhibit B: REPRESENTATIONS

Location	<i>Representations</i> (r = required; a = alternative)	<i>Project Proponent</i>	<i>Project Developer</i>	Other
IC1-5A5	Maps [r]	x	x	
IC1-5A6	Maps [r]			Proponent Forestry Mapping Expert
IC1-5B2	Schedules and matrices accompanying Maps [r]	x	x	
IC1-5B3	Schedules and matrices accompanying Maps [r]			Proponent Forestry Mapping Expert
IC2-3	<i>Project Participant Identification Document</i> [r]			
IC3-3A	IC3-2A-G <i>Requirements</i> have been fulfilled [r]	x	x	
S1-3B	De Factor <i>Rightsholder</i> Notice compliance [r]	x		
S2-2A	Pre-Submission Consultation compliance [r]	x	x	
S2-2B	<i>Validation Consultation</i> compliance [r]	x	x	
S2-2C	<i>Verification Consultation</i> compliance [r]	x	x	
S2-3D,E	<i>Participant Acknowledgement</i> [r]			Project Participants
S2-6A1	Compliance with each <i>Rightsholder Benefit Plan</i> [r]	x		
S2-8B7	Compliance with <i>FPIC Requirements</i> [r]	x		
B1-6	<i>Biodiversity</i> information is complete and accurate [r]	x		Proponent Forest Ecologist
B1-7A2	Alternative <i>Biodiversity</i> Protocol technical report is complete and accurate [r]			Proponent Forest Ecologist
ER1-1A1	No laws or agreements prohibiting removals [r]	x	x	
ER1-2A2	<i>Forestry Valuation Report</i> is accurate [r]	x	x	Proponent Land Use Expert
ER1-2A3	<i>Forestry Valuation Report</i> is accurate [r]	x	x	
ER1-3A1	No other consideration received for reduced <i>Removals</i> [r]	x	x	
ER2-1B1	<i>Documented Prospective Removals</i> documentation (a)	x	x	
ER2-2F	Baseline Model [r]	x	x	
ER4-4B1c	<i>Market Leakage</i> [r]			Proponent Land Use Expert

Location	<i>Representations</i> (r = required; a = alternative)	<i>Project Proponent</i>	<i>Project Developer</i>	Other
ER4-4B1d	<i>Market Leakage Report</i> is accurate [r]	x	x	
ER5-10A1	Fires are accidental			
ER5-10B1	<i>Removal</i> was not voluntary			
ER5-7A5a	<i>Full Replacement</i> obligation and capacity (a)			Buffer System
ER5-9	<i>Full Replacement Alternative</i> Report accurate and complete			<i>Proponent Full Replacement Alternative Expert</i>
A5-B2a(2)(d)	<i>Project Termination Date</i> change does not violate existing agreements or any law or regulations.	x		
A6-2	<i>Credit Transfer Representations</i>	x		Transferor / Transferee

Exhibit C: LEGAL OPINIONS

Location	<i>Legal Opinion Subject</i> (r = required; a = alternative)
IC3-1C	Information on <i>Project Land Tenure Map</i> and Table (r)
IC3-3A2	Right to transfer and trade in emission reductions (a)
ER1-1A2	Legal <i>Additionality</i> : Laws and agreements do not prohibit <i>Removals</i> from <i>Project Area</i> (r)
ER2-1B2	<i>Documented Prospective Removals</i> documentation (a)
ER5-9A4	<i>Full Replacement Alternative</i> (a)

Exhibit D: EXPERT AND REFEREE TASK LIST

			<i>Proponent Expert</i>	Assigned	Referee
	Requirement	Section		<i>Expert</i>	
				Automatic	Conflict only
1	<i>Project Boundary Map</i>	ICI-1	Proponent <i>Forestry Mapping Expert</i>		R1
2	<i>Project Land and Tenure Map and Table</i>	ICI-2	Proponent <i>Forestry Mapping Expert</i>		R5
3	<i>Project Activities Map</i>	IC1-3	Proponent <i>Forestry Mapping Expert</i>		R7
5	<i>Project Participant Participation Document</i>	IC2-1	none		R3
6	<i>De Facto Rightsholder List</i>	S1-1	none		R3
7	Proponent disclosure	S2-1	none		R3
8	<i>Participant Acknowledgement</i>	S2-2	none		R3
9	Master Compliance Document	S2-5	none		R3
10	<i>Rightsholder Benefit Plan</i>	S2-7	none		R3
11	<i>Rightsholder Risk Acknowledgement</i>	S2-7	none		R3
12	<i>QOL Document</i>	S3-1	Proponent <i>QOL Expert</i>		R7
	<i>QOL Benchmark</i>	S3-1	Proponent <i>QOL Expert</i>		R7
	<i>QOL Monitoring Plan</i>	S3-1F	Proponent <i>QOL Expert</i>		R7
13	<i>QOL Report</i>	S3-2B	Proponent <i>QOL Expert</i>		R7
	<i>QOL Validation Certificate</i>	S31-B2c	Proponent <i>QOL Expert</i>		R7
14	<i>Biodiversity Benchmark</i>	B1-1	Proponent <i>Forest ecologist</i>		R2
	<i>Ecological Indicator Groups</i>	B1-3	Proponent <i>Forest ecologist</i>	x	R2
	<i>Ecological Indicator Groups Species</i>	B1-3	Proponent <i>Forest ecologist</i>	x	R2
15	<i>Biodiversity Monitoring Protocol</i>	B1-3	Proponent <i>Forest ecologist</i>		R2
16	<i>Biodiversity Report</i>	B1-4	Proponent <i>Forest ecologist</i>		R2
	<i>Biodiversity Recovery Plan</i>	B1-4	Proponent <i>Forest ecologist</i>		R2
18	<i>Recovery Period Excuse</i>	B1-4G	Proponent <i>Forest ecologist</i>	x	R2
19	<i>Alternative Benchmark or Monitoring Plan Protocol</i>	B1-6	Proponent <i>Forest ecologist</i>	x	R5
20	<i>Legal Additionality Test</i>	ER1-1	none		R5
21	<i>Protected Area Additionality Exception</i>	ER1-1	none		R6
22	<i>Economic Incentive Test</i>	ER1-2	Proponent <i>Land Use Expert</i>		R6
23	Forest Valuation Report	ER1-2B	Proponent <i>Land Use Expert</i>		R5
24	<i>Existing Incentives Test</i>	ER1-3	none		R5
25	<i>Documented Prospective Removals</i>	ER2-1	none		R5
26	<i>Alternate Baseline Methodology Report</i>	ER2-2	Proponent <i>Baseline Expert</i>	x	R9
	<i>Governmental Removal Baseline</i>		Proponent <i>Baseline Expert</i>	x	R9
	<i>Validated Removal Baseline</i>		Proponent <i>Baseline Expert</i>	x	R9
27	Emission Reduction Calculation	ER3	Proponent <i>Carbon Stock Expert</i>	x	R10
28	<i>Belowground/Deadwood Adjustment Report</i>	ER3-3	Proponent <i>Carbon Stock Expert</i>	x	R10
29	<i>Market Leakage Report</i>	ER4-5	Proponent <i>Land Use Expert</i>		R8
30	<i>Leakage Alternative</i>	ER4-6	Proponent <i>Leakage Expert</i>	x	R8
31	<i>Full Replacement Alternative</i>	ER5	Replacement <i>Alternative Expert</i>	x	R11
32	<i>Natural Fire Report</i>	ER5-10A	Proponent <i>Forest Ecologist</i>		R4
33	<i>Involuntary Removal Report (logging)</i>	ER5-10B	Proponent <i>Forest Ecologist</i>		R5

Exhibit E: EXPERT AND REFEREE QUALIFICATIONS

<i>PROPONENT EXPERT'S TITLE</i>	<i>RFS Section(s)</i>	<i>Education</i>	<i>Experience</i>	<i>Publications</i>	<i>Position</i>
Proponent Forestry Mapping Expert	IC1-5A6; IC1-5B3; ER3-1A2	BS in geography, biology, forestry or related fields	5 years within the last 10 years in GIS and mapping land use differences	Grey literature: two or more <i>publications</i> related to forestry mapping	As forestry mapping consultant, researcher, or in related academic position for at least the previous two years.
Proponent QOL Expert	S3-1B2d; S3-1F; S3-2A	Master's in anthropology, sociology or economics; or BS degree in anthropology, sociology or economy; or BS in statistics	5 years within the last 10 years 10 years 3 years statistics within the last 10 years; 1 year community development	Grey literature: Two or more <i>publications</i> Quantitative Sociology / Anthropology Grey literature: Two or more <i>publications</i> Quantitative Sociology / Anthropology Grey literature: Two or more <i>publications</i> Quantitative Sociology / Anthropology	As consultant, researcher, or in related academic position for at least the previous 2 years. As consultant, researcher, or in related academic position for at least the previous 5 years. As consultant, researcher, or in related academic position for at least the previous 5 years.
Proponent Forest Ecologist	B1-1; B1-3; B1-4C,G; B1-5; B1-6A; ER5-10A1(b)	Master degree in forestry (biology, ecology, or engineering)	10 years working in forests in at least 80% of <i>Habitat Types</i> in <i>Project Area</i> .	Grey literature: two or more <i>publications</i> in forest ecology	As consultant, researcher, or in related academic position for at least the previous 5 years.
Proponent Baseline Expert	ER2-2A; ER2-2B2b,c; ER2-2C3	Master in forestry, statistics or related field (ecology, biology, GIS, geography, engineering)	5 years in spatially explicit modeling.	One or more peer-reviewed publication on baseline methodology incorporating spatially explicit modeling.	As consultant, researcher, or in related academic position for at least the previous 5 years.
Proponent Carbon Stock Expert	ER3-1A1b; ER3-1A2; ER3-1C1	Master's Degree in forestry or a related field (ecology, biology, geography, engineering)	10 years working in forest carbon estimation using both field and remote sensor techniques	Grey literature: two or more <i>publications</i> in forest carbon estimation	As consultant, researcher, or in related academic position for at least the previous 5 years.
Proponent Full Replacement Alternative Expert	ER5-6, 8,9	MBA or MA in Economics; or	10 years in financial underwriting including credit assessment, stress testing, risk analysis, scenario testing.	None required.	As consultant, researcher, or in related academic position for at least the previous 5 years.

Continued on next page

<i>PROPONENT EXPERT'S TITLE</i>	<i>RFS Section(s)</i>	<i>Education</i> Lawyer, Accountant	<i>Experience</i> 10 year experience in secure transactions.	<i>Publications</i> None required.	<i>Position</i> Practicing professional for at least the previous 5 years.
<i>Proponent Leakage Expert</i>	ER4-6	MA in economics or MBA	3 years in economics modeling	One or more peer- reviewed <i>publications</i> on <i>leakage</i> .	As consultant, researcher, or in related academic position for at least the previous 2 years.
<i>Proponent Land Use Expert</i>	ER1-2A1,3; ER4-5B1	BS degree in economics, agronomy, or forestry; or certified property appraiser.	5 years within the last 10 years in land valuation including forestry lands;	None required.	As consultant, researcher, or in related academic position for at least the previous 5 years.

ASSIGNED EXPERT'S TITLE	RFS Section(s)	Minimum Required Qualifications				Other
		Education	Experience	Publications	Position	
Assigned Forest Ecology Expert	B1-3; B1-4; B1-6B	Master's degree in forestry (biology, ecology, or engineering)	10 years working in forests in at least 80% of <i>Habitat Types</i> in <i>Project Area</i> .	One or more peer-reviewed <i>publications</i> on forest ecology.	As consultant, researcher, or in related academic position for at least the previous 5 years.	
Assigned Carbon Stock Expert	ER3-3	Master's degree in forestry or a related field (ecology, biology, geography, engineering)	10 years working in forest carbon estimation using both field and remote sensor techniques	Grey literature: two or more <i>publications</i> in forest carbon estimation	As consultant, researcher, or in related academic position for at least the previous 5 years.	
Assigned Baseline Expert	ER2-2B2,3	Master's degree in forestry, statistics or related field (ecology, biology, GIS, geography, engineering)	5 years in spatially explicit modeling	One or more peer-reviewed publication on baseline methodology incorporating spatially explicit modeling.	As consultant, researcher, or in related academic position for at least the previous 5 years.	
Assigned Full Replacement Alternative Expert	ER5-9; ER5-9B,C	MBA or MA in Economics; or	10 years in financial underwriting including credit assessment, stress testing, risk analysis, scenario testing.	None required.	As consultant, researcher, or in related academic position for at least the previous 5 years.	
Assigned Leakage expert	ER4-6B	MA in economics or MBA	3 years in economics modeling	One or more peer-reviewed <i>publications</i> on <i>leakage</i> .	As consultant, researcher, or in related academic position for at least the previous 5 years.	

REFEREE'S TITLE	RFS Section(s)	Minimun Required Qualifications				Other
		Education	Experience	Publications	Position	
Project Boundary and Land Tenure Map Referee R1	IC1-1; IC1-2	Land use lawyer; certified as land surveyor	5 years professional experience in land use map usage.	None	Land use lawyer; or land surveyor for at least the previous 5 years.	
Forested Land Map and Biodiversity Referee R2	IC1-4; B1-1/3/4	Master degree in forestry (biology, ecology, or engineering)	10 years working in forests in at least 80% of <i>Habitat Types</i> in <i>Project Area</i> .	One or more peer-reviewed <i>publications</i> on forest ecology.	As consultant, researcher, or in related academic position for at least the previous 5 years.	
Participants Referee R3	IC2-1; S1-1; S2-1/2/5/7	B.S. in anthropology, sociology, or economics	5 years experience within the last 10 years, in working with communities in the Amazon	Grey literature: two or more <i>publications</i> on Amazonian community life	As consultant, researcher, or in related academic position for at least the previous 2 years.	
Forest fire Referee R4	ER5-10A	PhD in forestry (biology, forestry engineer)	10 years experience working in tropical forest dynamics in the Amazon using both field and remote sensor technics	One or more peer-reviewed <i>publications</i> on Amazonian biodiversity	As consultant, researcher, or in related academic position for at least the previous five years.	
Legal Referee R5	ER1-1; ER1-3; ER2-1; ER2-2; ER5-10B	Degree in Law	10 years experience in land use and finance.	None	Practicing professional for at least the previous 10 years.	
Forest Valuations Referee R6	ER1-2	Master's degree in economics, agronomy, or forestry; or certified property appraiser.	10 years within the last 10 years in land valuation including forestry lands;	Grey literature: two or more <i>publications</i> on forest valuation issues.	As consultant, researcher, or in related academic position for at least the previous 5 years.	
QOL Referee R7	IC1-3; S3-1; S3-2	Master's degree in anthropology, sociology or economics	10 years of experience within the last 10 years in working with communities in the Amazon	One or more peer-reviewed <i>publications</i> on Quantitative Sociology / Anthropology	As consultant, researcher, or in related academic position for at least the previous five years.	
Leakage Referee R8	ER4-5A4	Master's degree in economics or MBA	3 years in economics modeling	One or more peer-reviewed <i>publications</i> on <i>leakage</i> .	As consultant, researcher, or in related academic position for at least the previous 5 years.	
Alternate Baseline Referee R9		Master's degree in forestry, statistics or related field (ecology, biology, GIS, geography, engineering)	5 years in spatially explicit modeling	One or more peer-reviewed publication on baseline methodology incorporating spatially explicit modeling.	As consultant, researcher, or in related academic position for at least the previous 5 years.	

Continued on next page.

REFEREE'S TITLE	RFS Section(s)	Minimum Required Qualifications				
		Education	Experience	<i>Publications</i>	Position	Other
Emission Reduction Calculation Referee R10	ER3-3	Master's degree in forestry or a related field (ecology, biology, geography, engineering)	10 years working in forest carbon estimation using both field and remote sensor techniques	Grey literature: two or more <i>publications</i> in forest carbon estimation	As consultant, researcher, or in related academic position for at least the previous 5 years.	
Full Replacement Alternative R11	ER5-9; ER5- 9B,C	MBA or MA in Economics; or	10 years in financial underwriting including credit assessment, stress testing, risk analysis, scenario testing.	None required.	As consultant, researcher, or in related academic position for at least the previous 5 years.	

Exhibit F: PROJECT SUBMISSION CHECKLIST

SCHEDULES

Schedule IC1-1_A: Approved Survey Standards Associations

Schedule IC1-4_A: Forest Types

Schedule S2-7: Financial Requirements

Schedule ICI-4_B: Forest Conditions

**Schedule S3-1_A:Approved List of Forms of: Participatory Rural Appraisals,
Diagnostics of Rural Participation, Sustainability Impact Statements**

Schedule ER1-1_A: Crediting or Payments for Reducing Tree Biomass Removals

Schedule ER1-1_B: Contracts Related To Removal

Schedule ER5-5_A: Depositary List

Schedule ER5-5_B: *RFS* Current Credit Distribution Steps

TEMPLATES

Template S2-4: Rightsholder Benefit Plan Elements

Template S2-9B: FPIC REQUIREMENTS

Template: Representations

Template ER5: Permanence Option Template

Template ER5-2: Seller Guarantee

Template ER5-3: Third-Party Guarantee

Template ER5-4: Ton-Year Credit Request

Template ER5-5_A: Depositary Statement

Template ER5-5_B: PTF Distribution Request

Template A2-5: Expert Compensation Agreement

Template A6 2: Credit Transfer Report

APPENDIX ER5: RFS INTERACTIVE PERMANENCE TOOL

See file: *RFS_Interactive_Permanence_Tool* v1-4.xl