




**Validation report form for post-registration changes for
CDM project activities
(Version 02.0)**

Complete this form in accordance with the instructions attached at the end of this form.

BASIC INFORMATION

Title and UNFCCC reference number of the project activity	Niger Acacia Senegal Plantation Project – UNFCCC Ref. 9708
Process track	<input type="checkbox"/> Prior approval <input checked="" type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period
Version number of the validation report on PRCs	2.0Aa
Completion date of the validation report on PRCs	24/05/2019
Type(s) of PRCs	<input checked="" type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines <input type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a monitoring plan <input checked="" type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools <input checked="" type="checkbox"/> Changes to the project design <input type="checkbox"/> Changes specific to afforestation and reforestation project activities
Version number of PDD to which this report applies	2
Project participants	<p>Achats Services International</p> <p>Kingdom of Spain - Ministry of Agriculture, Fisheries, Food and Environment & Ministry of Economy, Industry and Competitiveness; International Bank of Reconstruction and Development (IBRD) as Trustee of the Bio Carbon Fund.</p> <p>Suntory Holdings Limited (until 31/12/2019); Tokyo Electric Power Company Holdings, Inc (until 31/12/2019); Sumitomo Joint Electric Power Co., Ltd (until 31/12/2019); The Okinawa Electric Power Co., Inc (until 31/12/2019); Japan Iron and Steel Federation (JISF) (until 31/12/2019); Japan Petroleum Exploration Co., Ltd (until 31/12/2019); Idemitsu Kosan Co., Ltd (until 31/12/2019); Sumitomo Chemical Company, Limited (until 31/12/2019).</p> <p>Ministry of Sustainable Development and Infrastructure (until 31/12/2019).</p>

Host Party	Niger
Applied methodologies and standardized baselines	AR-ACM0003 version 01.0.0 of 23/11/2012: Afforestation and reforestation of lands except wetlands.
Mandatory sectoral scopes linked to the applied methodology	14
Conditional sectoral scopes linked to the applied methodologies	NA
Name and UNFCCC reference number of the DOE	RINA SERVICES SPA E-0037
Name, position and signature of the approver of the validation report on PRCs	<p>Laura Severino (Authorized officer signing for the DOE)</p> <p>Head of Sustainability & Food Certification Compliance Unit</p> 

SECTION A. Executive summary

Purpose and general description of the project activity

The project activity has been implemented with the aim to restore deforested and highly degraded land in the Sudano-Sahelian zone of the Republic of Niger by empowering rural communities to adopt sustainable agro-forestry practices by establishing plantations using native species as *Acacia Senegal*. Restoration covers approximately 8,472 ha which is expected to produce around 4,600 tons of Arabic gum each year with an annual average of GHG removals by sink of 24,957 tCO₂e.

Scope of validation

This report summarizes the findings of the validation of post registration changes, on the basis of UNFCCC criteria for CDM. The scope of validation is to determine:

- that the actual post-registration changes to the registered CDM project activity comply with the relevant CDM rules and requirements;
- that the revised PDD reflects the post-registration changes.

Validation shall ensure that:

- the compliance of the revised PDD with the valid version of the applicable form and instructions therein applicable at the time of validation;
- the information transferred to the later valid version of the PDD is materially the same as that in the registered PDD;
- the requirements relevant to the actual post registration changes in § 8.2 – 8.4 of the CDM VVS.

Validation process

Validation is conducted using RINA procedures in line with the requirements specified in the CDM VVS, latest version available, relevant decisions of the CDM EB and applying standard auditing techniques. The validation assessment involved a document review of relevant documentation and on-site visit. Verification is not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement.

Conclusion

The World Bank has commissioned RINA to carry out the verification and certification of GHG removals by sink reported for the registered project activity “*Niger Acacia Senegal Plantation Project*” in Niger, UNFCCC reference 9708, for the monitoring period 21/12/2005 to 18/01/2018. The project was validated by ERNST & YOUNG ET ASSOCIES /17/ and it was registered on 31/07/2013.

During the monitoring period some changes occurred to the implementation, operation and monitoring of the registered CDM project activity and have been documented and assessed during the verification activity.

In conclusion, it is RINA's opinion that the project activity *Niger Acacia Senegal Plantation Project* in Niger, as described in the revised PDD version 2 of 16/07/2018, meets all relevant requirements for CDM activities and post registration changes. Hence RINA is able to validate the post registration changes as described in the following sections.

SECTION B. Validation team, technical reviewer and approver**B.1. Validation team member**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader	IR	VALOROSO	Rita	RINA Central Office	√	√	√	√
2.	Technical Expert in TA 14.1	EI	MASO	Daria	RINA Central Office	√	√	√	√

B.2. Technical reviewer and approver of the validation report on PRCs

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	IR	MENON	Rekha	RINA India
2.	Approver	IR	SEVERINO	Laura	RINA HQ

SECTION C. Means of validation**C.1. Desk/document review**

The revised PDD version of /22/ and the supporting documents /1-21/ were assessed as part of the validation of post registration changes. Appendix 3 of this report lists all documents reviewed during the validation including CDM regulatory documents.

C.2. On-site inspection

Duration of on-site inspection: 29/05/2018 to 31/05/2018				
No.	Activity performed on-site	Site location	Date	Team member
1.	Actual implementation and operation of the project activity. Field measurement n. 6 plots Interview with local community representatives	Municipality of Guecheme, Lido site	29/05/2018	Rita VALOROSO Daria MASO
2.	Actual implementation and operation of the project activity. Field measurement n. 4 plots Interview with local community representatives	Municipality of Doumega, Birni Fala site. Municipality of Maoureydey, Maourey site	30/05/2018	Rita VALOROSO Daria MASO
3.	Actual implementation and operation of the project activity. Field measurement n. 2 plots Interview with local community representatives	Municipality of Loga, Kogorou site	31/05/2018	Rita VALOROSO Daria MASO
4.	Cross-check between collected field data and calculation spreadsheet. QA/QC procedures, records and storage data. Measuring instruments. ER calculation	Achats Services International offices		
5.	Closing meeting and communication of the assessment findings			

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Abatcha Boukar Madai	Mahaman	Achats Services International	29- 31/05/2018	History and background of the project.	Rita VALOROSO Daria MASO
2.	Sorimeneu	Taffa				
3.	Zakou	Moukala				
4.	Serkovic	Mirko	World Bank		Operational and management structure. Project starting date and start of crediting period. Actual implementation and operation of the project activity. QA/QC procedures. Records and storage data. Measuring instruments. ER calculation. Field measurements.	
5.	Local villagers involved in the project activity: Lido site			29/05/2018	Field measurements.	
6.	Local villagers involved in the project activity: Birni Fala site			30/05/2018		
7.	Local villagers involved in the project activity: Maourey site					
8.	Local villagers involved in the project activity: Kogorou site			31/05/2018	Positive/negative impacts due to the implementation of the project.	

C.4. Sampling approach

For validation of post registration changes is not applied sampling approach.

C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PDD form			
Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines		2	
Corrections			
Changes to the start date of the crediting period			
Inclusion of a monitoring plan			
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools		1	
Changes to the project design			
Changes specific to afforestation and reforestation project activities			
Others (please specify)			
Total	/	3	/

SECTION D. Validation findings**D.1. Compliance with PDD form**

Means of validation	Comparing the revised PDD /22/ with the PDD form provided by CDM EB listed in the UNFCCC website.
Findings	
Conclusion	The revised PDD version submitted for validation is in compliance with the latest PDD form (version available at UNFCCC website) and with the instruction for completing the form therein. It is also confirmed that the information transferred to PDD version 02 is materially the same as that in the registered PDD.

D.2. Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines

Means of validation	<p>During the actual monitoring the two stratification factors expected by the registered PDD /16/ are not applied given the variability of the actual density of plantations; thus as conservative and appropriate approach the stratification considered only the plantation age. The specific change is identified as minor in nature as per the <i>Guidelines on accounting of specified types of changes in A/R project activities form the description in registered PDD /9/</i>. Being a minor change in A/R project it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /11/.</p> <p>According the registered monitoring plan /16/ the monitoring shall be carried out every five years after the project establishment. The first monitoring was possible to carry out between 09/2017 and 01/2018 /3/ because of tree biomass in the project site too low to justify a monitoring event; this is not in compliance with the above mentioned frequency since the project establishment occurred on 2006. According the CDM PS /11/ section 8.2, the above falls into temporary deviations from the registered monitoring plan and applied methodology, without leading to a reduction in the accuracy of the calculation of GHG removals, thus it is not requested to apply conservative assumptions or discount factors to the calculations, because the GHG removals are not overestimated as a result of the deviation. The deviation from the registered monitoring plan is applicable to the whole monitoring period under verification. RINA confirms that the deviation complies with the relevant requirements related to the temporary deviation from the registered monitoring plan in the CDM PS /11/ and it is not suitable to be submitted under request for approval since no alternative monitoring arrangements are necessary and applied</p>
Findings	<p><i>According §230 of the CDM Project Standard any change to the implementation, operation or monitoring of the registered CDM project activity a revised PDD (track-change and clean version) shall be provided to reflect the changes. The PP is also requested to clarify if the deviation is temporary and thus applied only to the actual monitoring period or if it is permanent deviation.</i></p> <p><i>CAR is closed.</i></p> <p><i>There is no evidence of previous monitoring starting from the project establishment until the end of the actual monitoring period carried out every five years as per the registered monitoring plan.</i></p> <p><i>CAR is closed.</i></p>
Conclusion	RINA confirms that the deviation complies with the relevant requirements related to the temporary deviation from the registered monitoring plan in the CDM PS /24/ and it is not suitable to be submitted under request for approval.

D.3. Corrections

Means of validation	NA
Findings	
Conclusion	

D.4. Changes to the start date of the crediting period

Means of validation	NA
Findings	
Conclusion	

D.5. Inclusion of a monitoring plan

Means of validation	NA
Findings	
Conclusion	

D.6. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools

Means of validation	<p>According the registered PDD /16/ a systematic sampling shall be adopted for monitoring, but due the particular characteristics of the plantation as the existence of numerous forest stands of variable sizes, the sampling method is switched to random sampling. As observed during the field visit, it is confirmed that it is more appropriate to adopt the random sampling method.</p> <p>The applied change falls into types of changes in registered A/R CDM project activities that does not require prior approval by the Board according the <i>Guidelines on accounting of specified types of changes in A/R CDM project activities</i> /9/. Being a minor change in A/R project it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /11/.</p>
Findings	<p><i>According §230 of the CDM Project Standard any change to the implementation, operation or monitoring of the registered CDM project activity a revised PDD (track-change and clean version) shall be provided to reflect the changes. The PP is also requested to clarify if the deviation is temporary and thus applied only to the actual monitoring period or if it is permanent deviation.</i></p> <p><i>CAR is closed.</i></p>
Conclusion	<p>RINA confirms that the deviation complies with the relevant requirements related to the permanent deviation of the registered monitoring plan in the CDM PS /11/ and it is not suitable to be submitted under request for approval.</p>

D.7. Changes to the project design

Means of validation	<p>As per the registered PDD /16/ about 8,472 ha of Acacia plantation should be implemented under the project activity. Because of plants died and re-planted, the project area is affected by some changes in year-wise areas planted. The actual project surface is about 7,225.46 ha, 15% less the initial area and strata 2013 is added /18/. The applied change falls into types of changes in registered A/R CDM project activities that does not require prior approval by the Board according the <i>Guidelines on accounting of specified types of changes in A/R CDM project activities</i> /9/. The expected project area remain the same where 7,225.46 ha is planted while 1,246.54 ha is not yet planted. The change does not affect the baseline identification and additionality demonstration made at the validation stage.</p> <p>Being a minor change in A/R project it is not requested to submit notification or request for prior approval but it is requested to address it through the verification stage /11/.</p>
Findings	<p><i>According §243 of the CDM Project Standard for permanent changes the PP shall report in a revised PDD the impacts of the changes with regard to applicability and application of the applied methodology, compliance of the monitoring plan, level of accuracy and completeness in the monitoring, additionality of the project and scale of the project.</i></p> <p><i>CAR is closed</i></p>
Conclusion	<p>Being a minor change in A/R project it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /11/.</p>

D.8. Changes specific to afforestation and reforestation project activities

Means of validation	
Findings	
Conclusion	Being a minor change in A/R project it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /11/.

SECTION E. Internal quality control

The draft final validation report before being submitted to the client will be subjected to an independent internal technical review to confirm that all the verification activities had been completed according to the pertinent RINA instructions.

The technical review will be performed by a technical reviewer qualified in accordance with RINA's qualification scheme for CDM validation and verification

SECTION F. Validation opinion

RINA Services Spa (RINA) has performed validation of the post registration changes reported for the project activity "*Niger Acacia Senegal Plantation Project*" in Niger, CDM Registration reference No. 9708, for the monitoring period 21/12/2005 to 18/01/2018, with regard to the relevant requirements for CDM activities. It is RINA's opinion:

- that the actual post-registration changes to the registered CDM project activity comply with the relevant CDM rules and requirements;
- that the revised PDD reflects the post-registration changes.

Due the nature of the post registration changes, it is confirmed that the actual post-registration changes are suitable for approval under the issuance track.

Appendix 1. Abbreviations

Abbreviations	Full texts
BE	Baseline Emissions
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM M&P	Modalities and Procedures CDM
CDM PCP	Clean Development Mechanism Project Cycle Procedure
CDM PS	Clean Development Mechanism Project Standard
CDM VVS	Clean Development Mechanism Validation Verification Standard
CER(s)	Certified Emission Reduction(s)
CL	Clarification Request
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DBH	Diameter at breast height
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
ERs	Emission Reduction(s)
FAR	Forward Action Request
FMNR	Farmer Managed Natural Regeneration
GIS	Geographic Information System
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
MR	Monitoring Report
NA	Not Applicable
PDD	Project Design Document
PE	Project emission
PP(s)	Project Participant(s)
QA/QC	Quality Assurance / Quality Control
RINA	RINA Services Spa
SS	Sectoral Scope
TA	Technical Area
TBD	To Be Defined
UNFCCC	United Nations Framework Convention on Climate Change
WV	World Vision

Appendix 2. Competence of team members and technical reviewers



CERTIFICATO DI QUALIFICA QUALIFICATION CERTIFICATE

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Rita VALOROSO

è qualificato come¹:
is qualified as:

CDM -TEC, -VAL, -VER, -TL
TECHNICAL REVIEWER, REG-EXP²

per le seguenti aree tecniche:
for the following technical areas:

1.2, 3.1, 13.1, 14.1

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.2	Renewables	1
3.1	Energy demand	3
13.1	Solid Waste and waste water	13
14.1	Afforestation and reforestation	14

in accordo alle istruzioni della Divisione Certificazione.
in accordance with the instructions of the Certification Division.

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	18-01-2010	-
11	20-07-2018	Update qualification REG-EXP
12	18-10-2018	Update qualification TA 14.1

Il Resp. CCPLS
Head of CCPLS

¹ Legend:

VAL: Validator
VER: Verifier
TEC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
DET: Determiner

CDM: Clean Development Mechanism
VCS: Verified Carbon Standard
GS: Gold Standard
SCS: Social Carbon Standard
JI: Joint Implementation

² Asia / Central Asia and Pacific region; Iran, Pakistan, Qatar; Cameroon, Congo, Ethiopia, Ghana, Madagascar, Mozambique, Niger, Nigeria, Tunisia, Uganda, South Africa, Egypt; South America; Albania, Bosnia-Herzegovina, Georgia, Macedonia.

RINA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologica Institute per condurre la Validazione e la Verifica di rapporti SCS

RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports

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RINA

**CERTIFICATO DI QUALIFICA
QUALIFICATION CERTIFICATE**

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Daria Maso

è qualificato come¹:
is qualified as:

CDM-TEC

per le seguenti aree tecniche:
for the following technical areas:

14.1

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
14.1	Afforestation and reforestation	14

in accordo alle istruzioni della Divisione Certificazione.
in accordance with the instructions of the Certification Division.

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	29/09/2017	First issue

Il Resp. QPT
Head of QPT

¹ Legend:

VAL: Validator
VER: Verifier
TEC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
DET: Determiner

CDM: Clean Development Mechanism
VCS: Verified Carbon Standard
GS: Gold Standard
SCS: SocialCarbon Standard
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RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports

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**CERTIFICATO DI QUALIFICA
QUALIFICATION CERTIFICATE**

Si attesta che Il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Rakha MENON

è qualificato come¹:
is qualified as:

CDM-TEC, -VAL, -VER, -TL
ITRP, REG-EXP²

per le seguenti aree tecniche:
for the following technical areas:

1.2, 2.1, 13.1, 13.2, 14.1

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.2	Renewables	1
2.1	Electricity Distribution	2
13.1	Solid Waste and wastewater	13
13.2	Manure	13
14.1	Afforestation and reforestation	14

In accordo alle Istruzioni dell'unità Sostenibilità & Cambiamenti Climatici.
In accordance with the Instructions of the Sustainability & Climate Change Unit.

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	06-03-2008	-
11	31-03-2017	Update qualification as ITRP
12	23-07-2018	Update qualification as REG-EXP

Il Resp. CCPLS
Head of CCPLS

¹ Legend:

VAL: Validator
VER: Verifier
TDC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
DET: Determiner

CDM: Clean Development Mechanism
VCS: Verified Carbon Standard
GS: Gold Standard
SCS: SocialCarbon Standard
JI: Joint Implementation

² India, Indonesia, Malaysia, Myanmar, Vietnam, Cambodia, Laos, Sri Lanka, Nepal, China, Philippines, Thailand, Africa, Latin America and Iran

RINA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologica Institute per condurre la Validazione e la Verifica di rapporti SCS

RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	Achats Services International	Monitoring Report Niger Acacia Senegal Plantation Project	Version 01 of 19/02/2018 Version 02 of 08/08/2018 Version 03 of 06/03/2019	PP
2	Achats Services International	NASPP_ARACM0003V1 calculation tool_revised.xlsx NASPP_ARACM0003V1 calculation tool V2.xlsx NASPP_ARACM0003V2.xlsx	29/03/2018 17/07/2018 02/03/2019	PP
3	Achats Services International	1_Inventory_Data_2017.xlsx	05/06/2018	PP
4	Achats Services International	Procedures (Manuel de Procédures project plantation de l'Acacia Sénégal au Niger)	NA	PP
5	Maisharou Abdou	Technical sheets of hindkeeping and classification of gommiers (Fiches techniques de saignée et d'élagage des gommiers).	02/2012	PP
6	CDM Executive Board	AR-ACM0003 Afforestation and reforestation of lands except wetlands	Version 01.0.0 of 23/11/2012	Others
7	CDM Executive Board	Methodological tool Estimation of carbon stocks and change in carbon stocks of trees and shrubs in A/R CDM project activities	Version 03.0.0 of 23/11/2012	Others
8	CDM Executive Board	A/R Methodological Tool Calculation of the number of sample plots for measurements within A/R CDM project activities	Version 02.1.0 of 26/11/2010	Others
9	CDM Executive Board	Guidelines on accounting of specified types of changes in A/R CDM project activities from the description in registered project design documents.	EB63 Annex 27 Version 01.0 of 29/09/2011	Others
10	CDM Executive Board	Monitoring report form for CDM project activity (CDM-MR-FORM)	Version 06.0 of 07/06/2017	Others
11	CDM Executive Board	CDM project standard for project activities	Version 01.0 of 03/03/2017	Others
12	CDM Executive Board	Sampling and surveys for CDM project activities and programme of activities.	Version 07.0 of 13/09/2012	Others
13	CDM Executive Board	A/R Methodological tool Demonstrating appropriateness of allometric equations for estimation of aboveground tree biomass in A/R CDM project activities.	Version 01.0.0 of 25/11/2011	Others
14	CDM Executive Board	CDM validation and verification standard for project activities.	Version 01.0 of 03/03/2017	Others
15	Web site	Sample size calculator http://www.calculator.net/sample-size-calculator.html	English language – website visited on 28/03/2018.	Others

CDM-PRCV-FORM

16	Achats Services International	PDD Niger Acacia Senegal Plantation Project	Version 1 of 23/07/2013	Others
17	Ernst & Young ed Associès	CDM Validation Protocol and Findings Overview	Version 1 of 26/07/2013	Others
18	Agriculture Minister (Ministere de l'Agriculture – Programme d'Actions Communautaire)	Evaluation Report Forestry Inventory (Evaluation du carbone séquestré au niveau des sites du project bio-carbone)	01/2018	PP
19	i-Jet	Security brief for Niger	22/05/2018	Others
20	General Direction of National Police	Confirmation for security arm escort (demande d'escorte de sécurité armée)	V/L n.0040/CNC/PACIII of 05/03/2018	Others
21	Achats Services International	Field measurement sheets (Intentaire biomasse – Fiche de placettes F_NASPP_01)	Forestry inventory 2018	PP
22	Achats Services International	PDD Niger Acacia Senegal Plantation Project	Version 2 of 16/07/2018	PP

Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CLs from this validation

CL ID	xx	Section no.	Date: DD/MM/YYYY
Description of CL			
Project participant response			Date: DD/MM/YYYY
Documentation provided by project participant			
DOE assessment			Date: DD/MM/YYYY

Table 2. CARs from this validation

CAR ID	1	Section no.	D.2 – D.6	Date: 26/06/2018
Description of CAR				
According §230 of the CDM Project Standard any change to the implementation, operation or monitoring of the registered CDM project activity a revised PDD (track-change and clean version) shall be provided to reflect the changes. The PP is also requested to clarify if the deviation is temporary and thus applied only to the actual monitoring period or if it is permanent deviation.				
Project participant response				Date: 16/07/2018
<p>Three changes in the monitoring plan were made:</p> <ol style="list-style-type: none"> 1- Stratification: ex-ante stratification proposed two stratification factors: age and plantation density; however, given the variability of the actual density of plantations, only plantation age was considered in the first verification. Changes in stratification are already considered in the PDD since in each verification event the stratification factors can change considering natural or anthropogenic factors impacting growth of trees (Section B.3). Therefore, the number of stratification factors may increase or decrease. What is important is to guarantee a sampling error lower than 10%, as outlined in the PDD. This is a temporary deviation. 2- Sampling framework: a systematic sampling was proposed initially in the PDD. However, given the characteristics of the plantations, in particular the existence of numerous forest stands of variable sizes, a random sampling was followed. This is a permanent change. 3- Minimum diameter: it was established in the monitoring plan that only trees with a diameter greater than 2.5 cm would be measured. However, since many trees have not yet reached this diameter, the totality of the trees in each plot were measured. This is a permanent change. <p>A revised PDD considering changes 2 and 3 is provided. Relevant changes have been made to the PDD's Monitoring Plan (Appendix 5).</p> <p>Relevant changes have also been made to the Monitoring Report.</p>				
Documentation provided by project participant				
Monitoring Report V2 PDD V2				
DOE assessment				Date: 06/08/2018
Revised PDD version 2 of 16/07/2018 is provided including the relevant changes related to sampling framework and minimum diameter; monitoring report version 02 of 16/07/2018 is updated accordingly. CAR is closed.				

CAR ID	2	Section no.	D.8	Date: 26/06/2018
Description of CAR				
According §243 of the CDM Project Standard for permanent changes the PP shall report in a revised PDD the impacts of the changes with regard to applicability and application of the applied methodology, compliance of the monitoring plan, level of accuracy and completeness in the monitoring, additionality of the project and scale of the project.				
Project participant response				Date: 16/07/2018
The change in planted area corresponds to a change in the year-wise areas planted and not a change to the project area. The area planted at the time of the first verification is 7,225.46 ha and the area not yet planted is 1,246.54 ha. The project area remains unchanged at 8,472 ha.				
Documentation provided by project participant				
Monitoring report V2				
DOE assessment				Date: 06/08/2018
Monitoring Report version 02 of 16/07/2018 is updated accordingly, confirming that the project area is not changed but the change is only related to year-wise areas planted, thus it is confirmed that the applicability and application of the applied methodology, additionality of the project and scale of the project are not affected; it is also confirmed the compliance of the monitoring plan and the level of accuracy and completeness in the monitoring. CAR is closed.				

CAR ID	3	Section no.	D.2	Date: 26/06/2018
Description of CAR				
There is no evidence of previous monitoring starting from the project establishment until the end of the actual monitoring period carried out every five years as per the registered monitoring plan.				
Project participant response				Date: 26/07/2018.
The reasons for this have been explained in the MR (Section B.2.1, Temporary deviations from the registered monitoring plan).				
Documentation provided by project participant				
Monitoring Report V2				
DOE assessment				Date: 06/08/2018
The first monitoring was possible to carry out between 09/2017 and 01/2018 /3/ because of tree biomass in the project site too low to justify a monitoring event; this is also confirmed by the mean of on-site visit. CAR is closed.				

Table 3. FARs from this validation

FAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of FAR				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
DOE assessment				Date: DD/MM/YYYY

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Document information

Version	Date	Description
02.0	31 October 2017	Revision to align with the requirements in the “CDM validation and verification standard for project activities” (version 01.0).
01.0	23 March 2015	Initial publication.
Decision Class: Regulatory		
Document Type: Form		
Business Function: Registration		
Keywords: post-registration change, project activities, validation report		