REQUIREMENTS FOR RECONFIGURATION OF MAST APPLICATION SUITE FOR BURKINA FASO

Mobile Application to Secure Tenure (MAST)

Contents

1. INTRODUCTION

1.1 About document

This document provides a quick synopsis of specifications for the deployment of MAST in Burkina Faso. It does not detail complete user and system requirements for the technology, but rather highlights key land administration process and the required system modifications required to satisfactorily complete processes in a more efficient and expedited manner.

The automation of the APFR registration processes will involve the reconfiguration of the Mobile Application to Secure Tenure (MAST) software application suite for the deployment of an initial APFR registration system.

The main audience members of this document are the ERC developers, which is contracted to RMSI, and the user agency stakeholders the ONF-BF, the SFR and the Regional Cadastral Department of the Central Plateau.

1.2 In this Document

This document describes key work processes, existing and modified for use of the MAST technology suite, as well as software requirements as it relates to the extension of the MAST software application suite for its deployment in Burkina Faso.

1.3 Purpose

The purpose of this document is to define the requirements for stakeholders, and once it is accepted by all undersigned parties, it shall represent the full scope of the MAST for Burkina Faso. This specification document represents definitions received by CORE team stakeholders during a visit to Burkina Faso August 1-10, 2016.

2 CONTEXT FOR MAST IN BURKINA FASO

2.1 Existing Business Processes and Actors

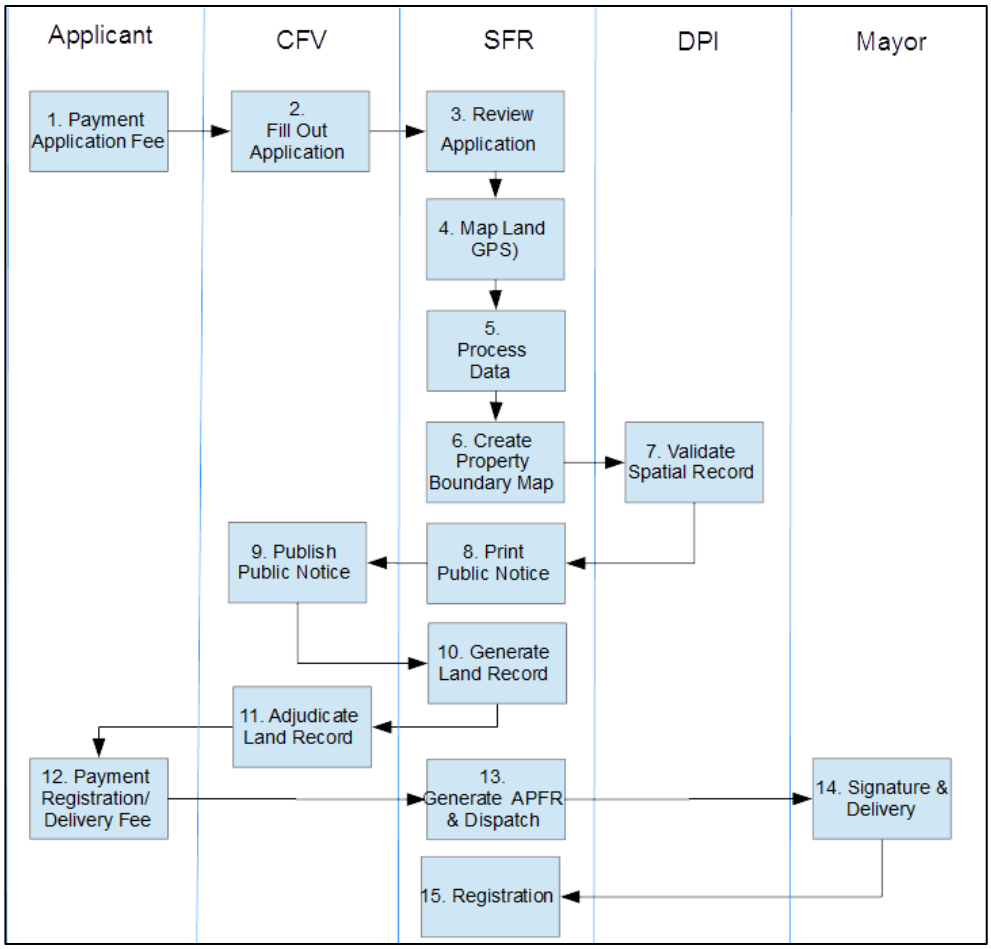
The formal registration of rural property rights is provided through several different actors in Burkina Faso and is based on Law 34-2009. This legislation decentralized the land administration processes and codifies principles of customary rights by enabling communities to gain rights through rural land charters.

The land charters contain rules related to the accessing possession rights to lands, and were designed to in a participatory manner to include a representative group of stakeholders (including women, forest users, pastoralists, and youth, etc). It provided for the recognition of individual and collective land rights, the transfer of certificates of rural land possession through inheritance, oral and written rural land leases, and the creation of local land management institutions. Key processes are to be aided by the state through local land institutions. These include:

- Service Foncier Rural (Rural Land Service), a national institution represented in each commune;
- Commissions Villageoises Foncière (Village Land Commissions);
- Commission de Conciliation Foncière Villageoise (CCFV); and
- Regional Cadastral Department (formerly DPI)

Under the new law, individuals or groups of individuals (usually families) may request a certificate of possession rights, which is documented in the Attestation de Possession Foncière Rurale (AFPR, or Rural Land Possession Certificate).

The process is designed to take only 75 days if no objections are raised. The reality is that the timeline for the implementation of this process is quite different. This process is initiated at the village level and the application is sent to the SFR for review and for checks on whether there no possession or property titles on the parcel. This process is done by the SFR in consultation with regional cadastral department (formerly the DPI). In the case when there are no competing claims, the parcel is cleared for adjudication and sent to the village where it is publically displayed for a period of 45 days. If there is no objection through the public notification, land record documents are executed and the SFR prepares an APFR for signature by the Mayor of the commune.



1. Pay application and delimitation fee at commune to process application and survey land.
2. Present documentation and fill out application form with CFV at village for APFR registration.
3. Review application at SFR.
4. Conduct field mapping with GPS
5. Process data and integrate GPS data into a GIS
6. Finalize and a cadastral or property boundary map and send to the DPI for validation.
7. Validate property boundary map against record of titles and possessions at the DPI.
8. Create and print public notice and send to CFV for public consultation.
9. Publish notice at the CFV for period of 45 days.
10. Create formal land record for execution by all parties at village level.
11. Execute and adjudicate land record at village level and send back to SFR.
12. Payment of registration fee by applicant.
13. Create and print file APFR and dispatches it to Mayor for signature.
14. Signs and stamps APFR documents.
15. Registers APFR and returns a registered copy to applicant.

2.2 MAST in Burkina Faso

It is envisaged that MAST will be utilized for capturing information in the field with mobile phones, providing enhanced visualization tools for verifying and validating data and provide the ability for users to generate and print a series of template reports. The APFR process, while being consistent with the Law 34-2009, will be standardized to automate and administer the process of registering APFRs. The base architecture and data model will for the most part stay the same, but there will be enhanced workflow management and reporting functions integrated into the software application.

A simple description of proposed enhancements is provided in the table below.

2.2.1 Mobile Application

#	Required Functional Area/Component	MODIFICATION DESCRIPTION
1.	Data Capture	MAST will be configured to capture new parcels, those parcels that do not have APFRs or titles, and parcels that have existing titles, but no APFRs. New Parcels – will follow workflow that captures spatial data and full set of attributes required to fill out land forms documents. Tenure types are different (individual and collective) so different business rules for - Individual you follow-Form 1 - Collective – you follow-Form 1 and then fill out Form 2 to identify other persons of interest Existing parcels – will follow a simplified process, and data capture for those parcels will require spatial data capture and a minimal set of attributes.
2.	Data Capture Categories	Mobile phones will be configured to same categories: - General - Property - Tenure - Person – there is no pictures required for

#	Required Functional Area/Component	MODIFICATION DESCRIPTION
		persons - Multi-media
3.	External GPS	Garmin Glo & Bad Elf Pro/Pro+ are to be verified and tested for integration.

2.2.2 DMI

#	Required Functional Area/Component	MODIFICATION DESCRIPTION
1.	**Land Record Management Dashboard Modification**	This will require modification of attributes to match local level registration such as Form 33. So as to be applicable to local context. 1. Application Number 2. PV Number 3. Name 4. Last Name 5. Parcel Type (New, existing) 6. Application Type (individual or collective)
2.	**Enhanced System Workflow**	There is a requirement for the integration and management of a more complex workflow MAST BF. It is envisioned that data will move from the field into the DMI and then through several different stages until formal registration. Key processes will be performed outside of the system, and the user will need the ability to update the status – approve or update the status of the transaction record to move it to the next stage, or conversely reject it and move it to the previous stage. Multiple agencies will also utilize the system so user management needs to take into account rights and privileges of users from the SFR and DPI.
3.	**Transaction Tracking**	There should be the possibility of transaction based functionality for the tracking of application through a

#	Required Functional Area/Component	MODIFICATION DESCRIPTION
		series of stages or registration activities. Simple tracking of completed transactions or the status of transactions will be necessary. Status of transactions will be new, in progress and completed. MAST will also need to keep track and integrate work processes that are internal and external to the system.
4.	**Identifiers and Land Record Search Functionality**	There is a need to improve functionality to allow users to search features in the MAST DB according to their attribute values. Current version of MAST TZ allows only search criteria by parcel number only. This functionality needs to be expanded for key identifiers and also by status.
5.	**Visualize, Edit and Save Attributes**	Once a land record is selected and opened, user will have options to view and edit spatial and attribute data. Visualization and editing tools shall provide same functionality as currently available (pop-up window with tabs). New tabs for visualization of attributes will be required.
6.	**Map Viewer, Layer Management**	MAST DMI will be required to show the display and manage of several data layers. These include: - Spatial Unit captured as part field mapping from mobile phone (editable layer); - Existing APFRs (spatial layer = used for reference purposes). - Existing Titles (spatial layer = used for reference purposes) - Commune Base data (roads, village names, etc.) - Commune Sections – used for parcel number generation. - Imagery
7.	**Map Viewer, Zoom Levels**	The map zoom function is currently restricted at levels – this functionality should not be restricted to levels

#	Required Functional Area/Component	MODIFICATION DESCRIPTION
		but should have a maximum and minimum zoom level defined.
8.	**Map Viewer (tool bar access)**	There is a need to change access to tools either as floating or a lockable tool set. It will help also if tools were broken into logical groupings – i.e. visualization, editing, advanced editing, etc.
9.	**Map Viewer (thematic display)**	**Thematic Display Functions** Thematic display functions are required to display parcels by status, gender, or any other attribute value
10.	**Map Layouts, Verification and Mapping**	Map Layout for Verification May layout Presentation
11.	**Map Layouts, Reports**	Property Boundary Map
12.	**Reporting Tools, Template reports**	A series of forms will be generated by MAST for specific property. These forms follow a legal and pre-defined format: - Form 1: Demande de constatation de possession foncière rurale à titre individuel ou collectif (Application form for individuals of collective) - Form 2: Formulaire de Mandat pr demande collective_final_KDG_validé Mandate for collective application) - Form 3: Formulaire_avis_publicté foncière_final_KDG_validé (Public Notice) - Form 7: PV de Constatation Contradictoire - Parcel Boundary Map (need copy) - Form 5. Fomulaire_Attest_Poss_Fonc_ individuelle initiale_final_KDG_validé (Individual APFR) - Form 8: Formulaire Attest_Poss_Fon_Rurale_collective_final_KDG_validé (Collective APFR) - Payment Request Letter – which will be a form letter where values are entered and values are

#	Required Functional Area/Component	MODIFICATION DESCRIPTION
		saved, however, there will be no calculations
13.	**Reporting Tools, Statistical Reports**	MAST shall support the generation of statistical reports for reporting purposes. These can be database views, which can be extracted as CSV: **Map register** - number of spatial units mapped, by tenure - number of spatial units mapped, by gender **Application register** - number of application processed,by Tenure - number of application processed, by gender **APFR register** - number of APFR printed, by tenure - number of APFR printed, by gender

3 Mobile Application to Secure Tenure (MAST)

3.1 MAST Components

The MAST application provides a suite of applications to support collection and management of land rights information with a mobile application to capture land rights information in the field and a back-end land rights data management infrastructure application with tools to manage an inventory of land information.

The key components of MAST Framework are:

- **Mobile Data Capture Application** – Key component of MAST Framework is Android based Mobile application that is focused on the capture of land rights information (spatial, alphanumeric and multimedia). The Mobile application allows for the collection of data without being connected to a central cloud based server in offline mode. Data is collected and stored on users' handheld device, and once the user is within the influence region of the internet, data can be synced and sent back to the server.

- **Land Rights Data Management (Web) Application** – MAST data capture application is provided with a back-end web application which provides the facility to configure the mobile application, manage data collection projects, and manage land rights information data that has been collected in the field. Key modules of web application are:

    - Configuration Tool – The Web based configuration tool provides the facility to configure the land rights data collection mobile application. Configuration tool provides the facility to configure the attribute fields of data collection form that are collected in the field. This enables the land rights information survey exercise to be performed in multiple environments by configuring the data collection form for the specific needs of the area, for a specific project.

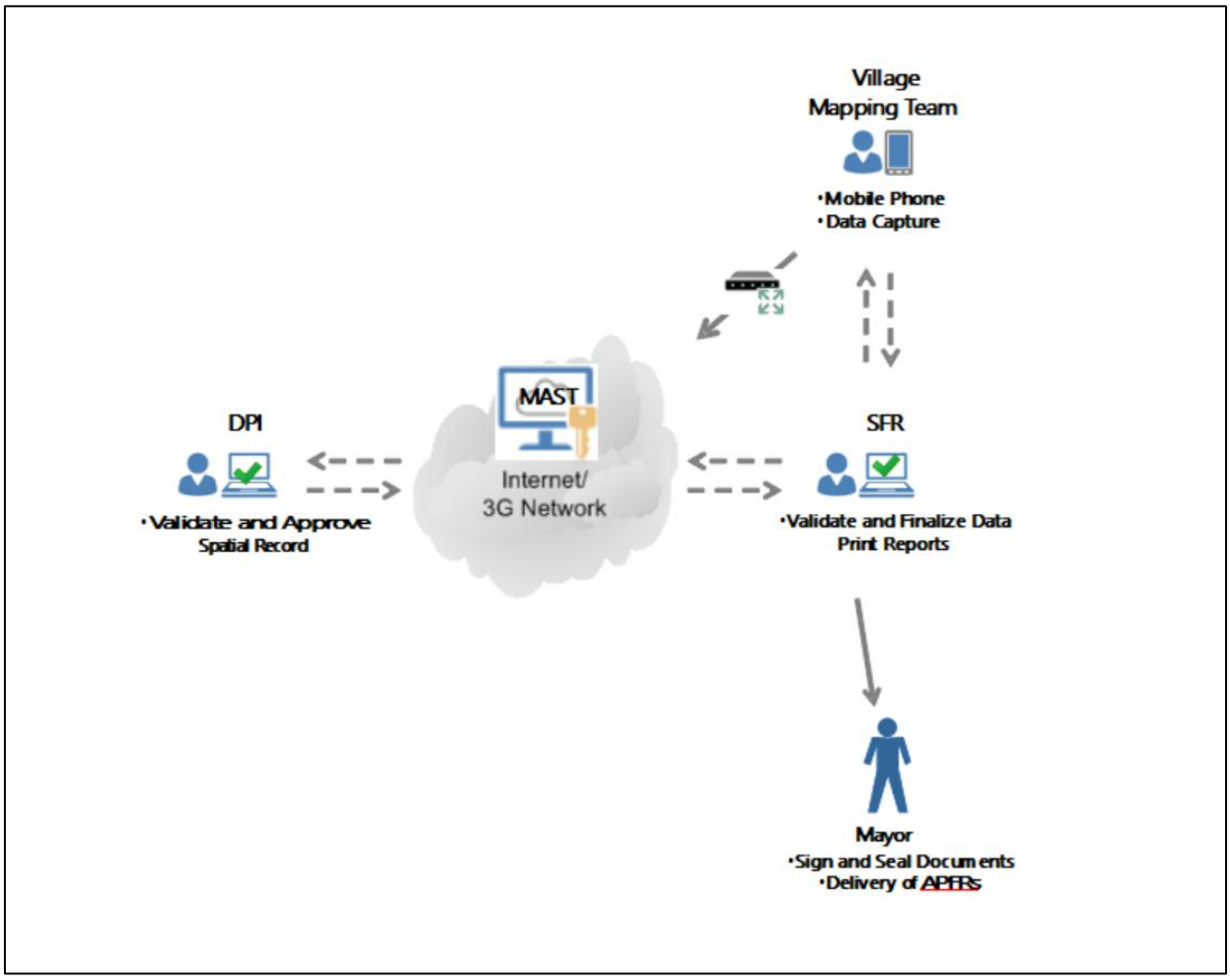
    - Administration Tool – The Administration tool provides the facility to manage users, roles; import and configure data layers; configure layer groups; configure survey projects; and configure master attributes that can be used in projects. This module facilitates in creation and configuration of survey projects, and the association of layer groups and users.

    - Data Management Infrastructure – The Data collected on mobile devices is transferred to a cloud based Data Management application, which provides tools to ingest, manage and store data of land rights information. It also provides mapping tool as well as reporting components so that required Land Rights reports can be generated.

3.2 Deployment

The proposed network infrastructure will take advantage of cloud computing resources for the deployment of MAST. It is anticipated that SFR agents will oversee and validate land rights data that is captured by trusted intermediaries in the field. Mobile phones will be used to capture

land rights data and data will be stored on devices until there is ample connection to sync data via available 3G/Internet connections to the MAST Data Management Infrastructure (DMI). Data will be accessed by SFR agents via 3G/Internet connections and will be reviewed, edited, validated before being transferred to DMI. Adjudication will occur through the generation of template reports such as APFR application forms, land record forms and eventually the APFR. The diagram below shows a conceptual deployment of MAST in Boudry Commune.



The DMI will be setup as follows:

ADMINISTRATIVE BOUNDARY	DEFINITION	DESCRIPTION
Country:	Burkina Faso	• 13 Regions. Each region have several Province. • 45 Provinces. Each province have several Communes. • 351 Communes (301 rurals and 49 urbans). Each commune have several villages (or sector in urban

		communes)
Région :	Plateau-Central	A region can have rural and urban communes. We are only concerned with rural lands with MAST. Regions in Burkina are: - Boucle du Mouhoun - Cascades - Centre - Centre-Est - Centre-Nord - Centre-Ouest - Centre-Sud - Est - Hauts-Bassins - Nord - Plateau-Central - Sahel - Sud-Ouest
Province :	Ganzourgou	The region of "Plateau central" have 03 provinces : • Ganzourgou, • Kourwéogo, • Oubritenga
Commune:	Boudry	Bourdy is one of the 07 communes of Ganzourgou (Boudry, Kogho, Méguet, Mogtédo, Salogo, Zam, Zorgho,,Zoungou) Boundary of Commune has been provided to MAST team by the Cadastral Department.
Section	Numerical	Arbitrarily defined
Village:	- Ouayalgui 1 - Ouayalgui 2 - Ouayalgui 3 - Ouayalgui 4	There are 84 villages in Boudry. These villages are treated as hamlets in Tanzania. Provide list of all villages, but only allow users to select one of the 4 villages.

3.3 Users and Characteristics

3.3.1 User Description

ROLE NAME	DESCRIPTION	GROUP NAME
CFV Agent	CFV agents will be selected by the CFV members and trained to use MAST to collect land rights data in the field using the MAST mobile application. They will capture spatial and attribute information of spatial units in the field. They will also verify the data before transferring the collected to the backend Data Management Infrastructure. The data captured by the CFV agent will utilize be reviewed and marked as complete by SFR agent.	Data Collector (producer)
SFR Land Official (office)	These are regional government officials that are charged with the management land affairs for the national government. They will access the DMI to review, edit and validate spatial and tabular data. They will also be in-charge of tracking of the MAST land record transaction throughout the process. In certain stages of the workflow, they are in-charge of generating and printing reports that will be used in the formalization of land rights. They will have full access of data for a designated survey project.	Designated Land Office
DPI Land Official (office)	The DPI is the regional cadastral agency in-charge of validating the land records. Designated users will access MAST and have access to limited land record dashboard, which will contain a queue of spatial records that are to be ready for an opinion. The DPI agent will approve or reject the property boundary map. They will require access to spatial records to view selected parcel in relations to APFRs and titles. They will have limited access to the designated survey project and limited review of data in the spatial land record. They will require access to review parcel data, parcel geometry and export coordinates so as to recreate parcel in 3rd party software.	Designated Land Office
Project Manager	The Project Manager will have full access to entered data into the MAST database. He or she will use the DMI to review and edit data. He or she will have full permissions to add, delete, or modify data. The primary function will be to validate data that has been committed to the MAST database, and work alongside both the SFR and DPI. Project manager will also have access to statistical reports and database views.	Manager
System Administrator	The system administrator will be a super-user and is the administrator of the MAST framework. This person will have access rights to the MAST framework, which will be housed on amazon. The administrator will have full access permissions of all the functionalities of application including all data and will be in charge of system maintenance. They will be responsible for master data management, establishing and managing MAST projects, managing users and allocating roles and responsibilities to the	Manager

	users. The system administrator will also be responsible for configuring and loading data and defining data collection forms for specific survey projects.	

3.3.2 User Action/Roles

	Group Name	Mobile data capture	View Land record	Edit Land record	View Map	Edit Map	Generate & print Application	Generete & print Boundery map	Query & view registery	Query & view stat	Edit Cadastral Opinion	View cadastral opinion	
CFV agent	Data Collector (producer)	X											
SFR Land Official (office)	Designated Land Office		X	X	X	X	X	X	X	X		X	
DPI Land Official (office)	Designated Land Office		X		X			X	X	X	X		
Project Manager	Manager		X		X		X	X	X	X		X	
System Administrator	Manager		X	X	X		X	X	X	X	X	X	

4 Work Processes

This section describes the business processes that have been identified for configuration of MAST for Burkina Faso.

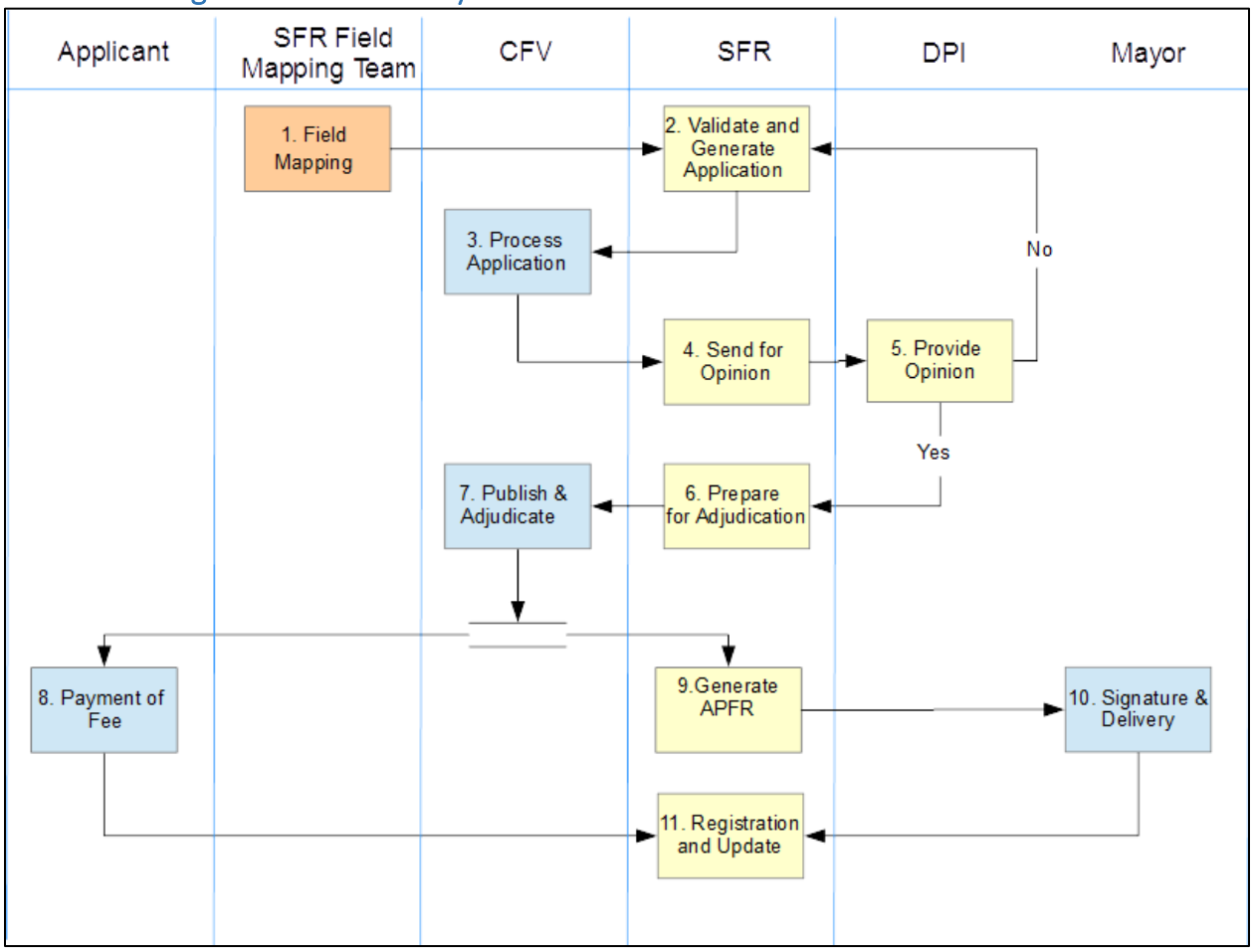
[Expand introduction here]

Orange = Processes on Mobile Application

Yellow = Processes on DMI

Blue = Processes not on System

4.1 APFR Registration Process Systematic



#	Activity	Description/Business Context	System (Inputs & Outputs)
1.	Field Mapping (Pre-adjudication)	General Description CFV agent initiates process for the collection of land rights information. The MAST mobile application is used to capture spatial information. After spatial data capture, user follows a series of attribute forms for the	Input Data • Activation of data capture type (new) • New GIS parcel boundary feature; • Spatial unit number will be automatically defined on phone to facilitate importation;

#	Activity	Description/Business Context	System (Inputs & Outputs)
		capture of general, property, tenure and personal information. There are two types of occupancy types – individual and collective. <u>Typical operations on this stage</u> - Confirms Data Capture Type to initiate data capture on mobile device. - Through discussions with occupant, and the walking of physical boundaries of the property, the CFV agent will capture parcel boundaries by capturing the coordinate corners of parcel boundaries. The spatial data is saved to mobile phone. - After capture of spatial unit, the attribute for selected data type will be opened and the CFV agent will fill in appropriate attribute forms for data capture type (individual or collective). - After editing, data (spatial and attribute) is saved and stored on the mobile device. - Reviewed and/or corrected spatial units and associated attribute data captured in the field is reviewed and edited and marked as complete for transfer to DMI	<u>Output Data</u> • Collection of spatial data • Collection of attribute data
2.	Validate and Generate Application	<u>General Description</u> SFR users will review a listing of land records (DMI dashboard). This listing should be consistent with the format of registries used at the SFR (See Form 33). From a tabular view, users will select a record and review the technical information that was collected in the field during the survey (spatial and tabular). Attention will be given to verifying spatial and tabular data. If problems are encountered with spatial record, the user will print a map for verification along with a tabular print out of all attributes (note that we need a more thorough print out of attributes consistent with Form 1 or 2). Map layout view (note should include multiple parcels and be printed in a standard map layout). The SFR agent will then use the tabular and map layout to validate the data in the field. Notations and corrections are made on the paper map, and tabular forms. Once data is validated in the field spatial and attribute data is updated for a particular land record is updated on the DMI.	<u>Input Data</u> - Spatial and tabular land record data captured in the field (transaction record). <u>Output Data</u> - Map and tabular layout of land record data - APFR Application, according to occupancy type o ***Form 1 Formulaire de DEMANDE Constataion de Possesion Foncière Rurale final KDG validé*** o ***Form 2 Formulaire de Mandat pr demande collective final KDG validé*** -

#	Activity	Description/Business Context	System (Inputs & Outputs)
		From a tabular view, the SFR agent will select the print/reporting tool to generate an application form. ***If individual = Form 1 Formulaire DEMANDE Constataion de Possesion Foncière Rurale final KDG validé*** If Collective= ***Form 1 Formulaire DEMANDE Constataion de Possesion Foncière Rurale final KDG validé*** and ***Form 2 Formulaire de Mandat pr demande collective final KDG validé.*** Once the application form has been generated and printed, the status will be changed to allow users to understand that application has been printed for that particular land record. An application number is generated for the land record. A group of application forms are dispatched and a dispatch table or registry (Form 33) will be printed to facilitate the dispatch and management of application forms at the village level. <u>Typical operations on this stage</u> - Review listing of land records created by data that has been imported into system. - Select land record (imported data shown in DMI dashboard, each land record represents a transaction in the system) - Review information – spatial units and attributes; - Update spatial record (edit to parcel using standard GIS tools); - Update Attributes (edit attribute data); - Print map and tabular layout for field verification; - Update land record based on field visit, which may include edit to spatial and	

#	Activity	Description/Business Context	System (Inputs & Outputs)
		tabular data. - Generate Application Form Template, which contains important applicant and property information. - Approve Workflow stage and move to "Process Application Stage".	
3.	Process Application	General Description The majority of the work process is outside of the system. The CFV agent will review the application form and validate information. The applicant will submit required documentation (birth certificate and national identification card) to CFV. If information is validated, the application form will be executed by applicant, witnessed and counter signed by CFV agent. The validated form will be reviewed, and the SFR agent will approve stage and send for an opinion stage. Errors will be sent back to SFR, where updates are made to transaction record and application forms are reprinted. Typical operations on this stage - Edit, update and reprint application form - Approve application stage, and work transaction record to "send for an opinion" stage	Input Data - None Output Data - Executed Application Form (Paper Copy). - Validated applications will be sent to the SFR with a dispatch form (this could be same dispatch form sent from the SFR with check marks indicating which applications have been validated or which applications require correction).
4.	Provide Opinion	General Description The DPI agent will review only a land records that are in the send for an opinion stage and provide an opinion. To provide an opinion, the DPI agent will select and review transaction record, view parcel map, specifically if the parcel is overlapping any APFR or Titles. The attributes of the transaction record will be reviewed, especially the coordinate geometry of parcel (coordinates). The coordinates will be exported in CSV format, if desired. Note: to facilitate this review, the MAST spatial unit layer will be shown with: a) existing	Input Data - Transaction record Output Data - Updated and Approved (not approved) property record - Property Boundary Map (hard copy for their record)

#	Activity	Description/Business Context	System (Inputs & Outputs)
		shapefile of existing APFRs, b) existing shapefile of land titles, c) base data, and d) imagery. Upon the successful validation of spatial record, the DPI agent approves the property boundary map (selects radio button) and makes a notation of notes (text box). If it is not approved, the transaction is rejected at this time and notation is made. An approved or rejected record is removed from DPI queue. <u>Typical operations on this stage</u> - Search, review and retrieve MAST transaction record – spatial and tabular - Select MAST transaction record or transaction - Review information spatial and tabular - Generate and print Property Boundary Map - Approve or Reject Property Map - Transaction is moved to new workflow stage – "Prepare for Adjudication"	
5.	Prepare for Adjudication	<u>General Description</u> The SFR agent will select and review MAST transaction record, and review any notations that have been added by the DPI. The SFR agent generates and prints four important documents: 1. Public notice (***Form 3: Formulaire_avis_publicté foncière final KDG validé).*** 2. Land Record (like adjudication form in Tanzania) ***Form 7: PV de Constatation Contradictoire –*** *(an* adjudication number is assigned to Form 7) 3. Payment Request Letter **(to be formatted); and** 4. Property Boundary Map Note: Since these documents will likely be printed and sent in batches, again a simple registry or dispatch table may be required to help village officials in the management of these forms at the village level.	<u>Input Data</u> - MAST Transaction Record <u>Output Data</u> - Public Notice (***Form 3: Formulaire_avis_publicté foncière final KDG valide)*** - Land Record (like adjudication form in Tanzania) ***Form 7: PV de Constatation Contradictoire)*** - Payment Request Letter **(to be formatted)** - **Property Boundary Map**

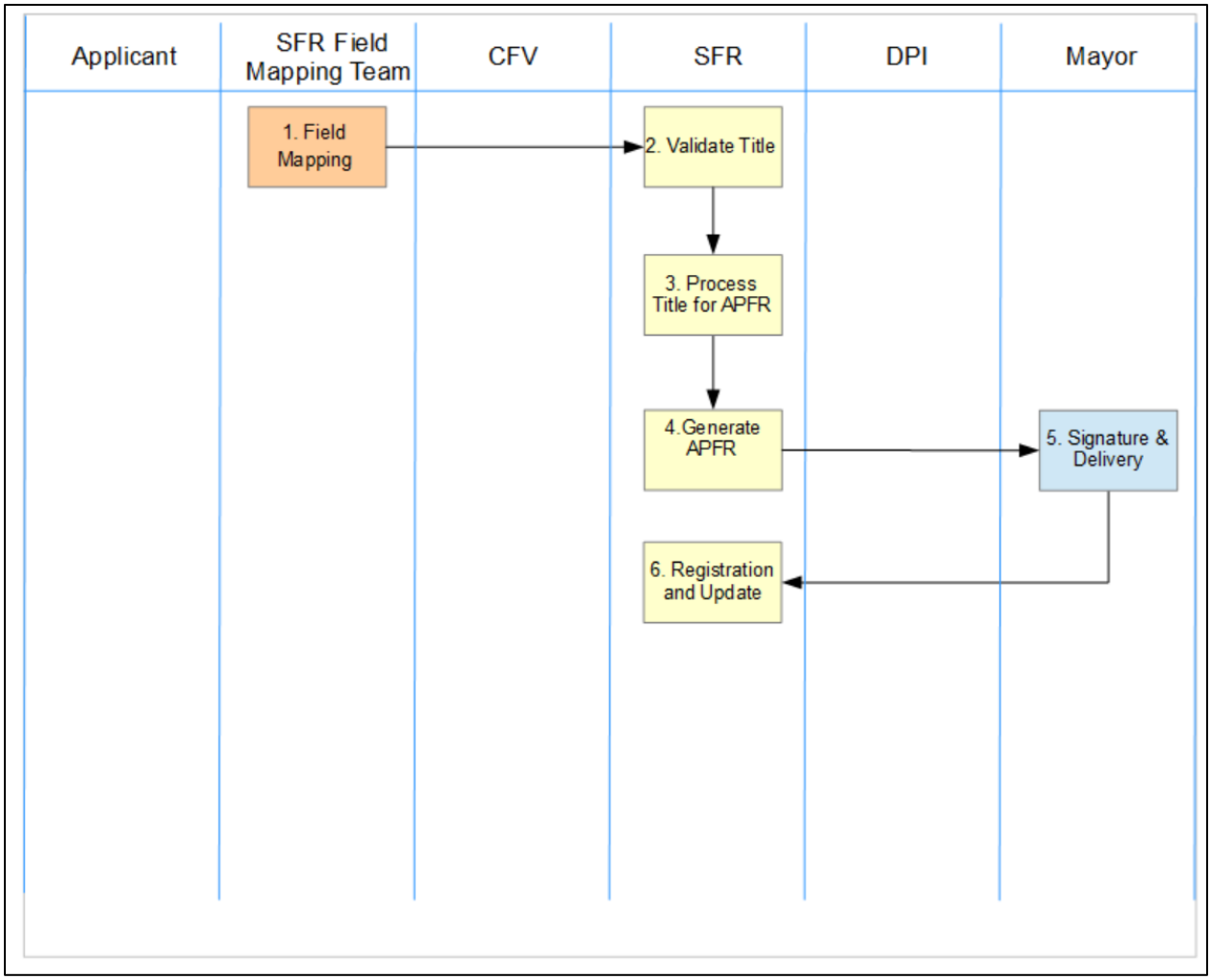
#	Activity	Description/Business Context	System (Inputs & Outputs)
		Typical operations on this stage - Select approved MAST transaction record (land records that have been validated) - Generate public notice (***Form 3: Formulaire_avis_publicté foncière final KDG validé)*** - Land Record (like adjudication form in Tanzania) ***Form 7: PV de Constatation Contradictoire) and assign an adjudication number to PV*** - Payment Request Letter **(to be formatted)** - **Property Boundary Map** (hard copy is printed and saved in SFR land record file)	
6.	Publish and Adjudicate	General Description The CFV receives a batch of public notices, PV forms, and payment letters and a dispatch table or registry, and publishes the notice. It must remain published for 45 days according to law. Once the 45 day public notification period has past, and there are no objections to the land record, formal adjudication of the land can occur. To formalize or adjudicate the land record, the PV form (form 7) is executed by the applicant, neighbors and the CFV. Once they execute PV form is executed, the applicant will be given the payment request letter. The executed PV forms will be sent back to the SFR, where the SFR will approve the adjudication and move the transaction record to the "generate APFR stage" Typical operations on this stage - Approve application stage, and work transaction record to "generate APFR stage"	Input Data - Public Notice (***Form 3: Formulaire_avis_publicté foncière final KDG valide)*** - ***Form 7: PV de Constatation Contradictoire)*** - Payment Request Letter **(to be formatted)** Output Data - None
7.	Payment of Fee	General Description This work process is outside of the system. The applicant will take his/her payment request letter to the RDPF at the commune and pay fees. They will receive receipts as evidence of payment which will be used to obtain their	Input Data - None Output Data None

#	Activity	Description/Business Context	System (Inputs & Outputs)
		copy of APFR. Typical operations on this stage None – Not in System	
8.	Generate APFR	General Description The SFR agent reviews approved listing PV forms that he/she has received from the CFV, then searches the MAST DMI and updates record as adjudicated. The SFR approves or adjudicates the MAST transaction information record. The SFR agent will utilize the reporting tool to generate and print the APFR. Once the APFR is printed, the status of the transaction is changed to "final" and the copy of the APFR will be sent to the mayor's office in duplicate. Typical operations on this stage - Search, review and retrieve land record – spatial and tabular - MAST transaction record - Select land record /transaction - Review land record information - Generate APFR - Approve and move transaction record to the "final registration stage"	Input Data - CFV approved public notices (listing paper) - DPI approval? - MAST Land Record/Transaction Record Output Data - APFR - **Form 5. Fomulaire Attest Poss Fonc individuelle initiale final KDG validé (Individual APFR)** - **Form 8: Formulaire Attest Poss Fon Rurale collective final KDG validé (Collective APFR)**
9.	Signature	General Description This process is outside of the system. The Mayor reviews and signs APFR (2 copies) and returns the executed documents to the SFR. Typical operations on this stage None – Not in System	Input Data - APFR Output Data - Executed APFR
10.	Registration and Delivery	The applicant, upon payment of the applicable fees, will present the SFR agent with a receipt. The SFR agent will search and review MAST transaction record, and update the record with receipt numbers and payment information, Once payment information is added to the record, and APFR is delivered, the MAST transaction record will be updated "Delivered".	Input Data - Executed APFR - Receipt Output Data - None

#	Activity	Description/Business Context	System (Inputs & Outputs)
		The SFR will provide the applicant with an executed APFR.	

4.2 Existing Titles

This is a special workflow to capture existing titles – those lands that have either a:: 1- Arrêté d'attribution, 2- PV de constatation de Possession Foncière or a Autre document. As part of the process the Cadastral Department will provide a listing of all Titles that they have process in Boudry Commune.



#	Activity	Description/Business Context	System (Inputs & Outputs)
1.	Field Mapping (Pre-adjudication)	General Description CFV agent initiates process for the collection of land rights information. Confirms type of data	Input Data • Activation of data capture type (existing)

#	Activity	Description/Business Context	System (Inputs & Outputs)
		capture – new or existing title. Based on selection of existing title, the MAST mobile application is used to capture spatial information. After spatial data capture, user captures a simplified set of attributes for existing title. • **Title Number** • **Date of Registration** • **Title Type** 1- Arrêté d'attribution, 2- PV de constatation de Possession Foncière; or 3- Autre document • **Application Type:** individual or collective • **First name** • **Last name** • **Profession** • **Mobile telephone number** <u>Typical operations on this stage</u> - Confirms Data Capture Type to initiate data capture on mobile device. - Through discussions with occupant, and the walking of physical boundaries of the property, the CFV agent will capture parcel boundaries by capturing the coordinate corners of parcel boundaries. The spatial data is saved to mobile phone. - After capture of spatial unit, the attribute for selected data type will be opened and the CFV agent will fill in appropriate attribute forms.	• New GIS parcel boundary feature; • Spatial unit number will be automatically defined on phone to facilitate importation; <u>Output Data</u> • Collection of spatial data • Collection of attribute data • Data is flagged a existing title.
2.	Validate Title	<u>General Description</u> SFR users will review a listing of land records. For records that are existing land records, the SFR will review attributes, and look at listing of existing titles that has been provided to him by the Regional Cadastral Department. Once the Information has been verified, he/she will contact the person and request that they bring in an existing copy of the title to the SFR. Based on submittal and verification of information, the SFR will approve and move the transaction to "Process Title for APFR" Stage <u>Typical Operations on this stage</u> - Review listing of land records created by data that has been imported into system. - Select land record (imported data shown in	<u>Input Data</u> - Spatial and tabular land record data captured in the field (transaction record). <u>Output Data</u> • Transaction record

#	Activity	Description/Business Context	System (Inputs & Outputs)
		DMI dashboard, each land record represents a transaction in the system) - Review information – spatial units and attributes; - Update spatial record (edit to parcel using standard GIS tools); - Approve and move the transaction to "Process Title for APFR" Stage	
3.	Process Title for APFR	General Description The SFR agent will initiate the process for generating an APFR, by selected the edit attribute action. This action will open a series of tabs that are available for reviewing and editing attributes. The SFR agent will input required attributes needed for the generation of an APFR Typical Operations on this stage Open land record Enter attributes of land record Update and approve attributes; and Approve and move the transaction to the "Generate APFR" stage	
4.	Generate APFR	General Description The SFR agent reviews approved listing PV forms that he/she has received from the CFV, then searches the MAST DMI and updates record as adjudicated. The SFR approves or adjudicates the MAST transaction information record. The SFR agent will utilize the reporting tool to generate and print the APFR. Once the APFR is printed, the status of the transaction is changed to "final" and the copy of the APFR will be sent to the mayor's office in duplicate. Typical operations on this stage - Search, review and retrieve land record – spatial and tabular - MAST transaction record - Select land record /transaction - Review land record information	Input Data - CFV approved public notices (listing paper) - DPI approval? - MAST Land Record/Transaction Record Output Data - APFR - **Form 5. Fomulaire_Attest_Poss_Fonc_individuelle initiale_final_KDG_validé (Individual APFR)** - **Form 8: Formulaire Attest_Poss_Fon_Rurale_collective_final_KDG_validé (Collective APFR)**

#	Activity	Description/Business Context	System (Inputs & Outputs)
		- Generate APFR - Approve and move transaction record to the "final registration stage"	
5.	Signature	General Description This process is outside of the system. The Mayor reviews and signs APFR (2 copies) and returns the executed documents to the SFR. Typical operations on this stage None – Not in System	Input Data - APFR Output Data - Executed APFR
6.	Registration and Delivery	The applicant, upon payment of the applicable fees, will present the SFR agent with a receipt. The SFR agent will search and review MAST transaction record, and update the record with receipt numbers and payment information, Once payment information is added to the record, and APFR is delivered, the MAST transaction record will be updated "Delivered". The SFR will provide the applicant with an executed APFR.	Input Data - Executed APFR - Receipt Output Data - None

5 Software Requirements

5.1 Mobile Application

MAST shall provide the capability to create new property records and capture and store relevant information concerning transactions, ownership, rights and interests.

#.	Description	Details/Comments
1.	The MAST Mobile Data Capture Application shall support the capture of alphanumeric information on spatial units (i.e. geographic features).	
2.	The MAST Mobile Data Capture Application shall allow the display relevant background spatial data, including vector and raster data.	Imagery APFR Title Base Data Boundry/Sector/Roads
3.	The MAST Mobile Data Capture Application shall support the review of information and verification of information on screen.	
4.	The MAST Mobile Data Capture Application shall notify the user when all of the mandatory information has been entered successfully.	
5.	The MAST Mobile Data Capture Application shall guide users through the use of dialogue boxes or notices	
6.	The MAST Mobile Data Capture Application shall guide users through the use of dialogue boxes or notices	
7.	The MAST Mobile Data Capture Application shall follow a workflow.	1. Spatial Data 2. General Attribute 3. Property 4. Tenure 5. Person 6. Multimedia
8.	The MAST Mobile Data Capture Application user Interface shall support the English and French Language.	

5.2 DMI

5.2.1 Land Record Dashboard

#.	Description	Details/Comments
7.	MAST shall provide for the validation of data that is imported from data captured in the field.	Both spatial and attribute data shall be validated.
8.	MAST shall provide a well-organized and web-based interface for the management of data captured in the field by mobile phones.	
9.	MAST shall support the review and edit of spatial information imported into the system.	
10.	MAST shall support the review and edit of tabular information imported into the system.	
11.	MAST shall support management of information and facilitate the automatic filling of data in template reports	See reporting
12.	MAST shall support workflow management and allow users to visualize the stage and status of a transaction record	Workflow Stages Listed Here
13.	MAST shall provide a standardized list of actions and tool sets for reviewing, editing and moving transactions through stages required for registration of APFRs.	Actions Listed Here

5.2.2 Land Records Management (Workflow)

#.	Description	Details/Comments
1.	MAST shall provide workflow based business logic and be based on a set of defined business rules to facilitate movement between stages and decision making.	See Registration Work Process
2.	MAST shall provide workflow to facilitate the administration of changes and/or revisions in the status of the transaction in stages to facilitate the tracing of applications through different stages.	For each workflow stage there will be: new, in progress, complete
3.	MAST shall provide workflow to facilitate the movement of transaction record to different stages through the use of standardized dialog boxes	Dialog boxes will be customized to guide users actions for the approval or rejection of transaction records and their subsequent changes between stages.
4.	MAST shall support the automatic generation of an application or transaction number for processed and accepted applications.	Transaction or Demand Number
5.	MAST shall support the automatic generation of a series of identifiers in different stages of the workflow, and update of date and time of the required format (Year/Month/Day).	See Identifiers
6.	MAST shall have the ability to integrate execution of internal and external processes within one workflow.	Some key work processes will be executed manually outside of MAST.
7.	MAST shall provide the functionality for entering and storing explanations for rejections.	
8.	MAST will be configured to allow multiple user agencies the same graphic interface, however, tools sets and/or editing capabilities may be constrained based on business rules and rights.	

5.2.3 Identifiers and Land Record Search Functionality

#.	Description	Details/Comments
1.	MAST shall provide the ability to generate, manage and search for an application based on its application or transaction number.	Application Number or Demand Number
2.	MAST shall provide the ability to generate and manage and search for the adjudication number or PV number, which is the number provided to the Form 7: PV de Constatation Contradictoire.	Form 7: PV de Constatation Contradictoire Number
3.	MAST shall provide the ability to generate, manage and search for an APFR based on its number.	APFR Number – this is the number provided to an APFR
4.	MAST shall provide the ability to generate, manage and search for registered transaction details based on its registration number.	Registration Number – this number is provided at the end of the process.
5.	MAST shall provide the ability to generate, manage and search for a property by its parcel number.	Parcel number Section – Lot – number 000-000-0000
6.	MAST shall provide the ability to generate, manage and search for a property by its USIN number.	Automatically generated by MAST
7.	MAST shall provide the ability to search for a property by its applicant name.	

5.2.4 Data Visualization (land record)

#.	Description	Details/Comments
1.	MAST shall provide the visualization of parcel geometry and associated data in a separate tab in attribute edit and visualization dialog.	- Coordinates shall be shown in WGS 84, UTM Zone 30 N -

2.	MAST shall provide for the review and export coordinate geometry data	- Coordinates will need to be exported in CSV format for each land record from this screen.
3.	MAST shall provide for the review data in standard report templates	- See reporting

5.2.5 Data Visualization (Mapping View)

#.	Description	Details/Comments
4.	MAST shall provide visualization of multiple spatial layers: Spatial Unit Existing Titles Existing APFR Commune Boundary Commune Base data Commune Sections Imagery	- Spatial Unit captured as part field mapping from mobile phone; - Existing APFRs (spatial layer = shapefile to be provided) - Existing Titles (spatial layer = shapefile to be provided) - Commune Base data (roads, village names, etc.) - Commune Sections - Imagery
5.	MAST shall display basic attribute information in its DMI such as:	- Parcel Number - PV Number - APFR Number - Date of APFR - Name (first) - Name (last) - Gender - Type (individual or collective) - Area - Land Use -
6.	MAST shall provide access for all stakeholders to see the spatial unit maps	-

	and associated data.	
7.	MAST shall provide better access to tools sets by logically grouping tools by work process that is being performed.	-
8.	MAST shall allow for thematic display functions by different attribute values	- i.e. date of acquisition, status, gender, or any other attribute value
9.	MAST shall provide for the generation of standard map layout functions for data verification and visualization purposes	- Map Verification Purposes - Standard Map Layout for Presentation Purposes

5.2.6 Reporting

#.	Description	Details/Comments
1.	MAST shall allow for the generation, visualization and printing of an application form(s).	- Form 1: Demande de constatation de possession foncière rurale à titre individuel ou collectif (Application form for individuals of collective) - Form 2: Formulaire de Mandat pr demande collective_final_KDG_validé Mandate for collective application)
2.	MAST shall allow for the generation, visualization and printing of a public notice.	- Form 3: Formulaire_avis_publicté foncière_final_KDG_validé (Public Notice)
3.	MAST shall allow for the generation, visualization and printing of the principle land record document used for adjudication.	- Form 7: PV de Constatation Contradictoire
4.	MAST shall allow for the generation, visualization and printing of the payment request letter. This will be a form letter where values are entered and values are saved, however, there will be no calculations	- Payment Request Letter (TBD)
5.	MAST shall allow for the generation, visualization and	- Croquis de terrain - Plan de situation

	printing of the Property Boundary Map.	
6.	MAST shall allow for the generation, visualization and printing of the APFR documents.	- Form 5. Fomulaire_Attest_Poss_Fonc_ individuelle initiale_final_KDG_validé (Individual APFR) - Form 8: Formulaire Attest_Poss_Fon_Rurale_collective_final_KDG_validé (Collective APFR)
7.	MAST shall support the generation of statistical reports	**Map register** - number of spatial units mapped, by tenure - number of spatial units mapped, by gender **Application register** - number of application processed, by tenure - number of application processed, by gender **APFR register** - number of APFR printed, by tenure - number of APFR printed, by gender

6 Use Case

This section provides a high level overview of key business requirements of Mobile Technology Pilot Project for the capture of Land Rights Information.

- **Mobile Data Capture Application** - Mobile application to capture land rights information in field with following capabilities:
  - Capture Land Rights information (spatial, alphanumeric, and multimedia) on mobile devices
  - Capture personal, property and tenure information of spatial units
  - Transfer captured data to back-end server
- **Mobile Application Configuration Tool** – Web based back-end application to configure the mobile application with following capabilities.
  - Configure data entry forms of mobile application
  - Configure data that needs to be downloaded on the mobile devices for data collection work
  - Configure Functions that will be enabled on mobile application
- **Land Rights Data management Infrastructure application** – To ingest, manage and store data of land rights information collected via mobile devices with following functionalities:
  - Provide administration set-up, etc.
  - Tool to facilitate ingestion and validation of data into a RDBMS, that is configured on the STDM data model
  - Configuration of the database, including the addition of customized fields based on data model
  - Processing and organization of data according to predefined rules
  - Access permissions based access on data and functions
  - Facility to export data into variety of formats for use in external applications

6.1 Mobile Data Capture Application

Proposed mobile application will be capable of capturing of spatial, attribute and multimedia data of spatial units in field.

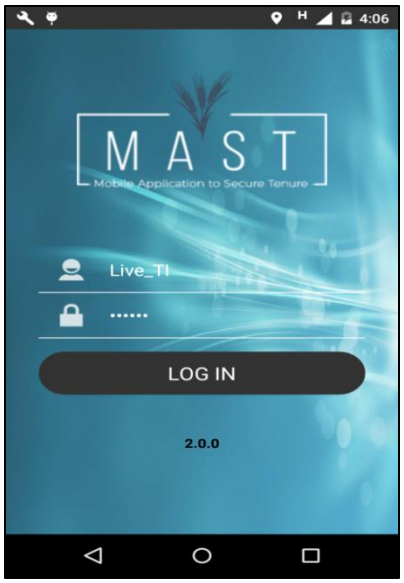
Mobile application will provide a login page so that authenticated users can login into the application. User credentials (username and password) will be shared with CFV Agent using which they will login into the application.

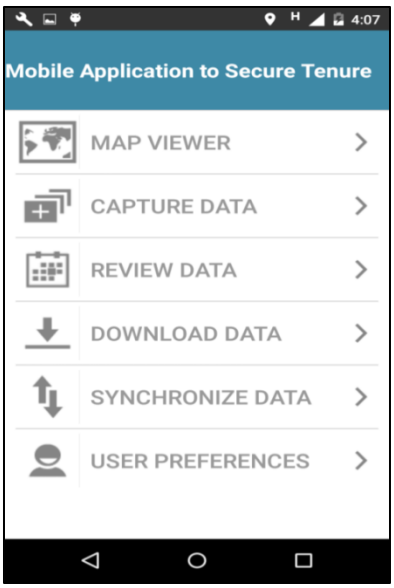
6.1.1 Use Case-MTP -01: Authentication

Use case	User Authentication
Brief Description	This functionality will allow CFV Agent to login into mobile data capture application.
Actors	CFV Agent

Preconditions	User should be registered into the system.
Trigger	User starts the application by tapping application icon on mobile device.
Main Flow	1. On invocation of application, login screen will appear. 2. On first time login, user enters User Name, Password and taps on Login Button. 3. Application authenticates the user from the server in case user logs in for the first time, otherwise authentication will be done from local profile saved on the device. 4. User name and password would be remembered by the application till the user logs out manually from the application. 5. User taps on Login button. 6. System authenticates user's credentials. 7. Upon successful authentication user will be shown a dashboard containing following tabs: o Map Viewer o Capture Data o Data Review o Download Data o Sync up Data o User Preferences o Logout
Alternative Flows	On unsuccessful login, application gives an error message to check username/password.
Notes & Issues	

Login & Dashboard page of Mobile Application-





Download Data

Download Data feature will be provided in the mobile application to provide the facility to download configuration information and base data on the device on first login into the application. This is a one-time download activity which will be done on first login into the mobile application.
Once the survey project attribute configuration and base data is downloaded on device, data collection work can be initiated on the device in the field. Configuration information of attributes cannot be modified further. Configuration information will be downloaded on first login on the mobile device for data collection work.

6.1.2 Use Case-MTP -02: Download Configuration Data

Use case	Download Configuration Data
Brief Description	This functionality will provide the facility to download configuration information of project on first login into the application.
Actors	CFV Agent
Preconditions	User has successfully logged in. This functionality will only be available on connected mode i.e. user must be connected to remote database.
Trigger	User will login into the system and tap Download link.
Main Flow	1. User will login into the system and select Download Configuration link. 2. Application will check the network connectivity status. In case of connectivity is not available, error messages will be displayed. 3. Post connectivity check, system download the configuration information of project allocated to the logged in user on the device. 4. System display a message 'Data Downloaded' post successful download of project configuration information to device. 5. System will display the attribute pages of data collection as per configuration of selected project.
Alternative Flows	NA
Notes and Issues	NA

Map Viewer

MTP Mobile Data Capture application will provide a map viewer which will provide the spatial visualization of all the parcels (spatial units) collected in the field on the base data. It will also provide spatial data viewing tools.

Map viewer will provide the spatial units' in view only mode with the Identify tool to view attributes of selected spatial unit. User can further invoke Capture New Data, Review or editing functions for field data collection and review work.

6.1.3 Use Case-MTP -03: Map Viewer

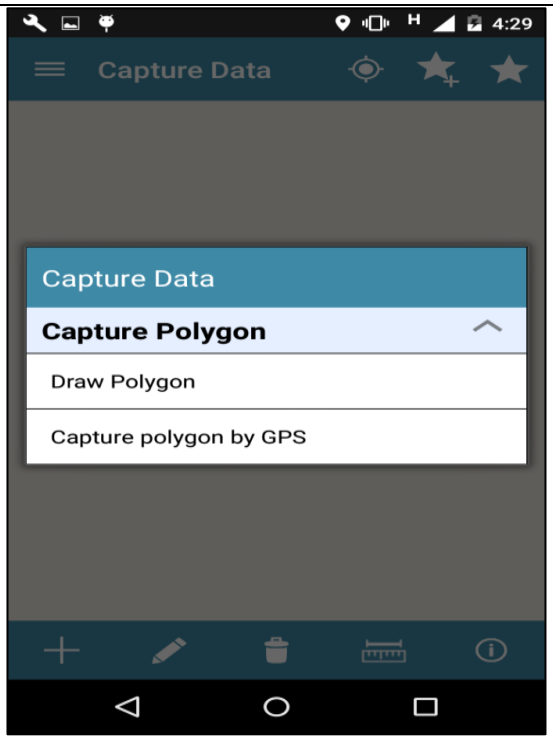
Use case	Map Viewer
Brief Description	This functionality will provide the map viewer feature of mobile application. Map Viewer will provide the facility to view data of spatial units on map.
Actors	CFV Agent
Preconditions	User has successfully logged in and downloaded data.
Trigger	User has clicked on 'Map Viewer' tab on landing page of mobile device.
Main Flow	1. User clicks on 'Map Viewer' tab on landing page. 2. By default, the map will be centred to the set up project coordinates. 3. Map Viewer will display spatial data of spatial units (parcels) collected on mobile device. 4. Map Viewer will provide a toolbar with following tools: a. **GPS** – Take the user to GPS location of user b. **Go To location** – User can use this tool to directly go to X, Y location. User can manually enter X, Y coordinates and will be then taken to specific location on map. c. **Measure** – Measure tool to measure area of polygon d. **Identify** – Identify tool to view attributes of selected spatial unit (in view only mode) e. **Layer Control** – Layer Control to view the list of layers visible on map. f. **Save Bookmark** – User can go to a particular location on map and save it as bookmark along with name of bookmark. (Maximum 8 bookmark locations can be saved by the user in the device) g. **Go To Bookmark –** This tool will list all the saved bookmarks so that user can directly go to saved location on map. 5. Map Viewer will also display a toolbar on the bottom of the page to enable user to directly go to Capture Data and Review Data functions (these features will be available only to authorised users of data collection).
Alternative Flows	NA
Notes and Issues	1. Map viewer will also provide all the basic features to navigate into the map. a. Zoom In - Enables the user to enlarge the map view. b. Zoom Out - Enables the user to reduce the magnification level of the map view. c. Pan – Enables the user to pan the map in that direction in which the touch screens is moved.

6.1.4 Use Case-MTP -05: Capture Data

Use case	Capture Spatial Data
Brief Description	This functionality will provide the functionality to initiate the process of capture new spatial data on map viewer of mobile application.
Actors	CFV Agent
Preconditions	User has successfully logged in and downloaded data.
Trigger	1. User can clicked on 'Capture New Data' tab on Mobile application landing page. 2. User has clicked on 'Capture New Data' tab on Summary page. 3. User has clicked on 'Capture New Data' tab on Map Viewer.
Main Flow	1. User clicks on 'Capture New Data' tab on Summary page. 2. System will display the map viewer with the base map of designated area allocated to user. 3. Map Viewer will provide a toolbar with following tools to capture/edit spatial units on map: a. ***Capture New Data –*** Allows user to collect spatial, attribute and multimedia data of new spatial units b. ***Edit Data –*** Allows user to edit spatial data of selected parcel c. ***Delete –*** Allows user to delete data of parcel collected by the user (before sync-up of data is done) d. ***Measure -*** Tool to calculate the length/area of a polygon. e. ***Info –*** Allows user to view Information of selected parcel on map.
Alternative Flows	When a user selects a spatial unit from the Data listing page for review, application opens the Map viewer and display the spatial data on selected parcel on map: 1. User clicks on 'Data Review'on mobile application dashboard or Data Capture Landing Page. 2. System display list of spatial units collected by the user on device. 3. User selects a spatial unit and click on Edit Spatial Data to edit spatial data of selected unit on map. 4. System will open the Map viewer to view/edit the selected parcel on map.
Notes and Issues	1. Map viewer will also provide all the basic features to navigate into the map. a. Zoom In - Enables the user to enlarge the map view. b. Zoom Out - Enables the user to reduce the magnification level of the map view. c. Pan – Enables the user to pan the map in that direction in which the touch screens is moved.

6.1.5 Use Case-MTP -06: Spatial Data Capture Tools

Use case	Spatial Data Capture Tools
Brief Description	This functionality will provide user to capture spatial data on map. These tools are draw polygon by manual drawing or capturing via GPS.
Actors	CFV Agent
Preconditions	User has successfully logged in and downloaded base data on device.
Trigger	User clicks on the 'Capture New Data' link on the map viewer.
Main Flow	1. User clicks on Capture New Data on map viewer. 2. System will display a list of tools to capture spatial data on map. (These tools will be configurable by user preferences option on the mobile device) **a. Draw Polygon–** • Draw polygon – Tool to manually draw polygon **b. Capture polygon by GPS-** • Tool to capture polygon by GPS of device 3. User selects the required tool and manually draws geometry. 4. User switches on GPS of the device and start moving in the direction to capture polygon and end at a point. 5. User clicks on 'Save' to save the geometry of spatial unit. Spatial data of parcel will be saved in local database of device. 6. User can navigate to capture attribute data after working on map by clicking on 'Attribute Form' button on top bar.
Alternative Flows	NA
Notes and Issues	Spatial unit created on the device will be stored on the mobile as a (.GeoJSON) file format with draft status. Draft status means that only the status of data is 'Draft' as it has to be yet finalized by the user. It will be persisted on the device in draft status also and will be accessible even after system crashes.
Screen	

Attribute Data Capture & Editing

Mobile application will provide functionalities to capture attribute and multimedia data of spatial units. Attribute data of spatial units is categorized into multiple categories. These are:

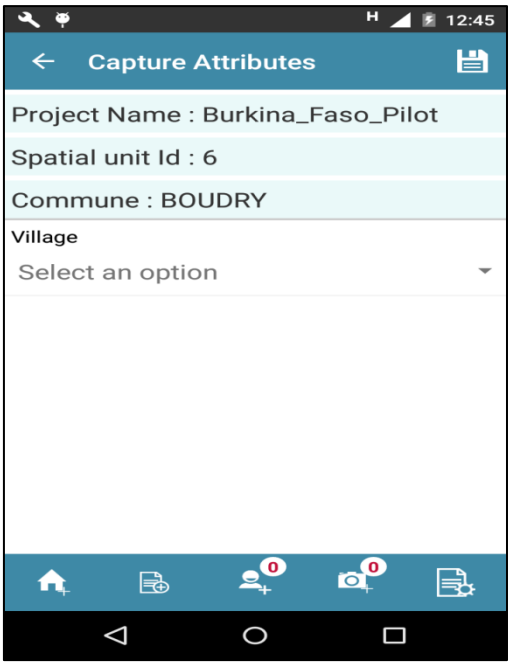
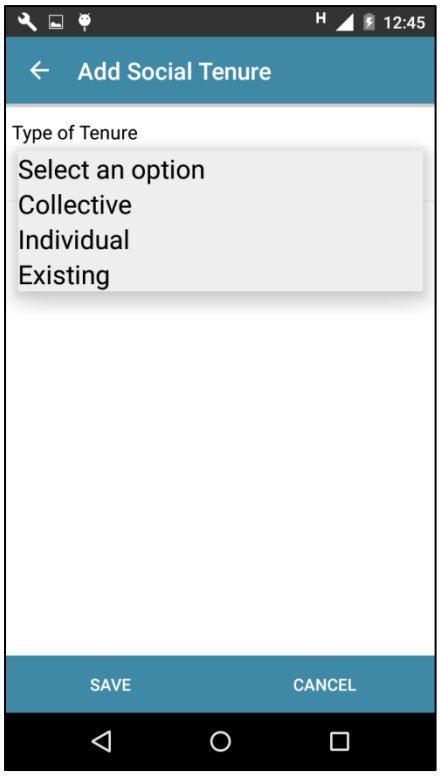
- General Information
- Property Information
- Tenure Information
- Person Information
- Multimedia Files
- Custom Attributes

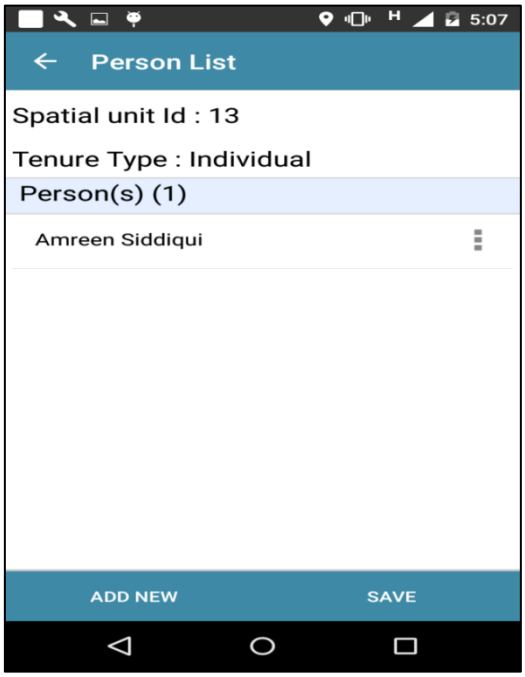
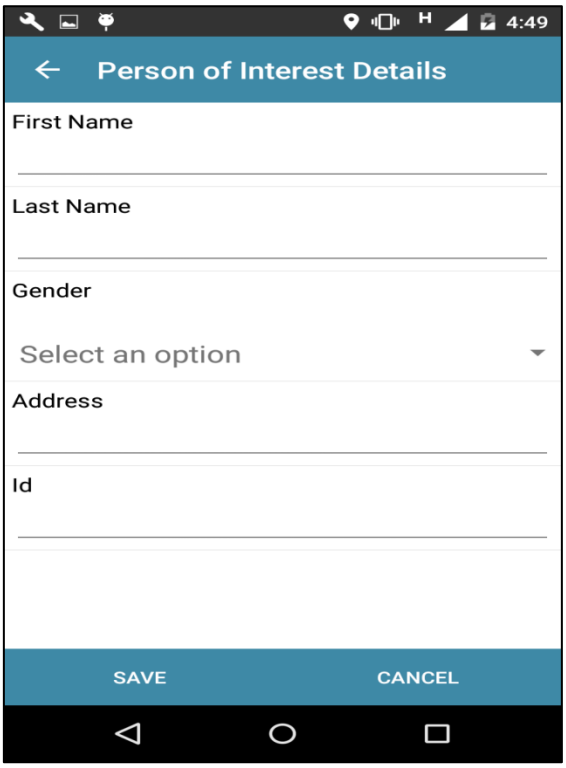
Attributes that will be captured under these categories of data is configurable by mobile configuration tool. They may vary across multiple survey projects. Mandatory field checks will be implemented in the mobile data capture application so that valid data is submitted by the mobile application user in the field.

6.1.6 Use Case-MTP -09: Capture Attribute Data

Use case	Capture Attribute Data
Brief Description	This functionality will allow User to capture attribute data of spatial units. User will capture attributes for new spatial units and can directly view/edit attribute information of existing spatial units.
Actors	CFV Agent

Preconditions	User has successfully logged in and has captured spatial data.
Trigger	User will click on 'Save' icon on top bar (after draw polygon) of map viewer post creation of spatial data.
Main Flow	1. Once spatial unit has been captured, the User will click on 'Save' icon on top bar of map viewer post creation of spatial data. 2. Application opens general information window of spatial unit. 3. Multiple tabs underneath General information will be provided to capture land rights information in different categories: • **Property Information:** Facility will be provided to add details of property along with its adjacent property information. • **Tenure Information-** In 'Add social tenure' page, User selects 'Type of tenure' and tap on save button (screen 2). o If user selects 'Individual' tenure type, User needs to add Person's details (Form 1). o If user selects 'Collective' tenure type, User needs to add Person's details (Form 1) as well as 'Person of interest' details. o If user selects 'Existing' tenure type, User needs to add Person's details with minimal set of attributes. • **Person Information:** User needs to add 'Person' and 'Person of Interest' as per the rule of tenure type (As given above). 4. Required validations will be applied on all mandatory fields before submission. 5. After validation, data will be saved in local database of device.
Alternative Flows	NA
Notes and Issues	NA

Screen 1	
Screen 2	

Screen 3	
Screen 4	

Screen 5	

6.1.7 Use Case-MTP -10: Capture Property Multimedia Information

Use case	Capture Property Multimedia Information
Brief Description	This functionality will allow CFV Agent to capture multimedia information with a property.
Actors	CFV Agent
Preconditions	User has successfully logged in and has captured spatial data of spatial units.
Trigger	1. User will click on Multimedia tab on overall Spatial unit information page.
Main Flow	1. User clicked on Multimedia info tab of parcel. 2. User clicks on select button on multimedia window of parcel in tabbed view to select and upload multimedia file from the device. 3. User selects multimedia file and enter attributes associated with the multimedia file. These attributes can be name, date of upload, remarks. 4. Post capturing of multimedia file, it will be associated to the selected property. 5. User can capture multimedia files (photos, videos, testimony files) directly to the person information. (Max. size of images is 150 MB and length of video is 2 min. and size should be 3 MB) 6. Multimedia info: User can capture photos/videos and associate it with

	the spatial unit. User can associate one or more multimedia files
Alternative Flows	NA
Notes and Issues	NA

6.1.8 Use Case-MTP -11: View/Edit Multimedia Information

Use case	View/Edit Multimedia Information
Brief Description	This functionality will allow users to view existing multimedia files associated with the property/person and edit attributes associated with it. User can also remove the multimedia file till the data has been marked as completed and synced.
Actors	CFV Agent
Preconditions	User has successfully logged in and has captured spatial data of spatial units.
Trigger	User will click on Multimedia tab of existing property. User will click on Multimedia tab of person associated with a property.
Main Flow	1. User will click on Multimedia tab of existing property. 2. System display the multimedia tab with a number depicting number of multimedia files associated with the property. 3. User clicked on Multimedia info tab of parcel. 4. Associated multimedia file will be listed with following options: • View – File name can be clicked to view associated multimedia file. • Add new Multimedia file • Attributes – To view/edit attributes associated with multimedia file • Delete – To delete associated multimedia file
Alternative Flows	1. System display the multimedia tab with a number depicting number of multimedia files associated with the person. 2. User clicked on Multimedia info tab of person. 3. Associated multimedia file will be listed with following options: • View – File name can be clicked to view associated multimedia file. • Add new Multimedia file • Attributes – To view/edit attributes associated with multimedia file • Delete – To delete associated multimedia file
Notes and Issues	NA

6.1.9 Use Case-MTP -07: Edit Spatial Data

Use case	Edit Spatial Data

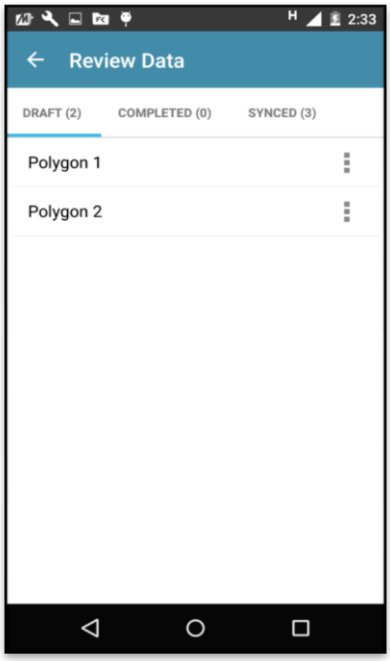
Brief Description	This functionality will allow to Edit spatial data of captured spatial units.
Actors	CFV Agent
Preconditions	User has successfully logged in and has captured spatial data of spatial units.
Trigger	User select a spatial unit and click on Edit icon on the toolbar of map viewer or user select a spatial unit from Data Listing page and click on Edit Spatial data.
Main Flow	1. User selects a spatial unit on map viewer. 2. User clicks on Edit tool on the toolbar. 3. Spatial data of selected parcel is displayed in edit mode (vertex in highlighted mode). 4. User can edit a spatial unit by selecting and dragging the vertex to new location (polygon spatial units) or by moving the point spatial unit to a new location.
Alternative Flows	User selects a spatial unit from Data Listing page and click on Edit Spatial data. System will open the map viewer with selected spatial unit in editable mode to enable editing of spatial unit.
Notes and Issues	Basic editing features will be provided in the device for spatial data editing.

6.1.10 Use Case-MTP -08: Delete Data

Use case	Delete Data
Brief Description	This functionality will allow Users to Delete captured spatial unit. Spatial data that has not been synced up to MTP backend data management application. Deletion process will delete all the data of selected spatial unit.
Actors	CFV Agent
Preconditions	User has successfully logged in and has captured spatial data.
Trigger	User selects a parcel and clicks on Delete tool on map viewer.
Main Flow	1. User selects a parcel on map viewer for deletion. 2. User clicks on delete tool. 3. System will show confirmation message to user. 4. User confirms option to delete selected record. 5. System will delete selected parcel from the device and shows confirmation message.
Alternative Flows	1. User selects option not to delete. Application will remain in the same state.
Notes and Issues	NA

6.1.11 Use Case-MTP -04: Review Data

Use case	Data Capture Landing Page
Brief Description	This functionality will provide the summary of data collected on mobile device
Actors	CFV Agent
Preconditions	User has successfully logged in.
Trigger	User has clicked on 'Review Data' tab on Mobile application dashboard.
Main Flow	1. User clicks on ' Review Data' tab on dashboard. 2. System will display Summary page with given information sets: • Number of records in draft mode (yet to be finalised by user) • Number of records in completed mode (ready for sync up) • Number of Sync up data(Sync up data) 3. User will be provided following options to review/edit the collected data in 'draft mode' section: • ***Edit Spatial Data*** – This will open the property details in map viewer. • ***Edit Attributes*** – This will directly open the land rights attribute information of selected property. • ***Delete the complete record*** – This will delete the incorrectly entered record. Can be done only for draft records. • ***Mark as Complete*** (ready for sync-up) – This will set the record as complete. All the completed records will be automatically synced up whenever connection is available or can be manually initiated for sync-up.
Alternative Flows	NA
Notes and Issues	NA

Screen	

6.2 WEB Application (DMI)

This functionality will allow the user to select the working Project for which land data management work is to be done. This is the first step in the land records management tool and thereafter all the data accessible in the land data management tool will be for the selected and authorized project.

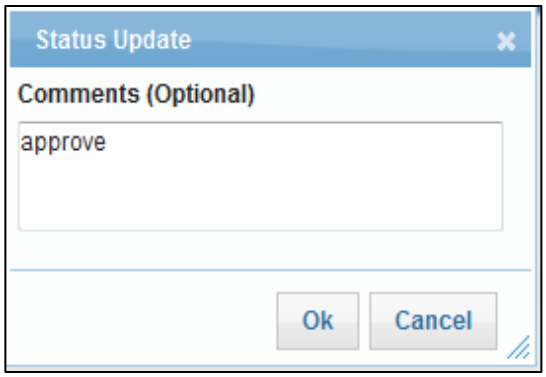
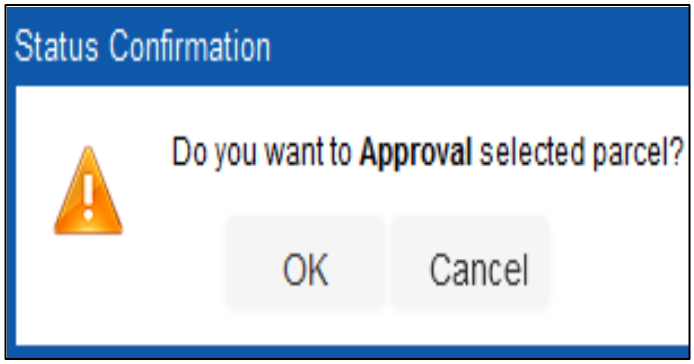
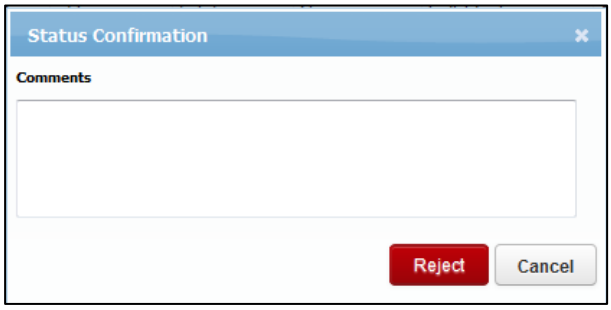
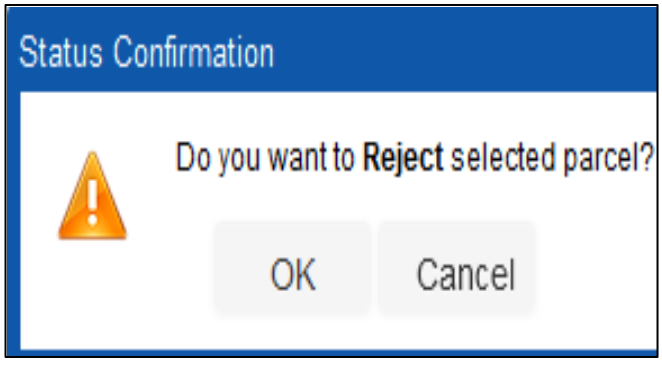
6.2.1 Use Case-MTP -12 SFR Role- Functionalities

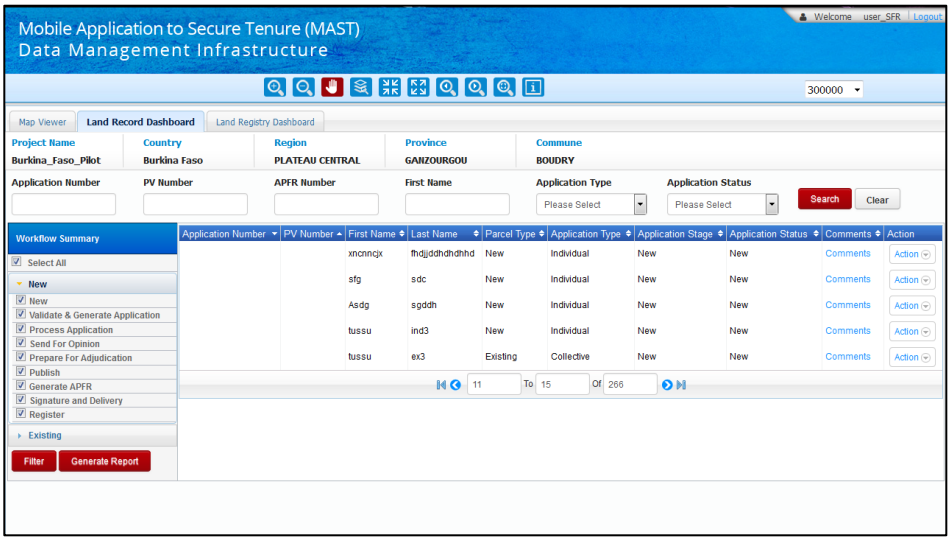
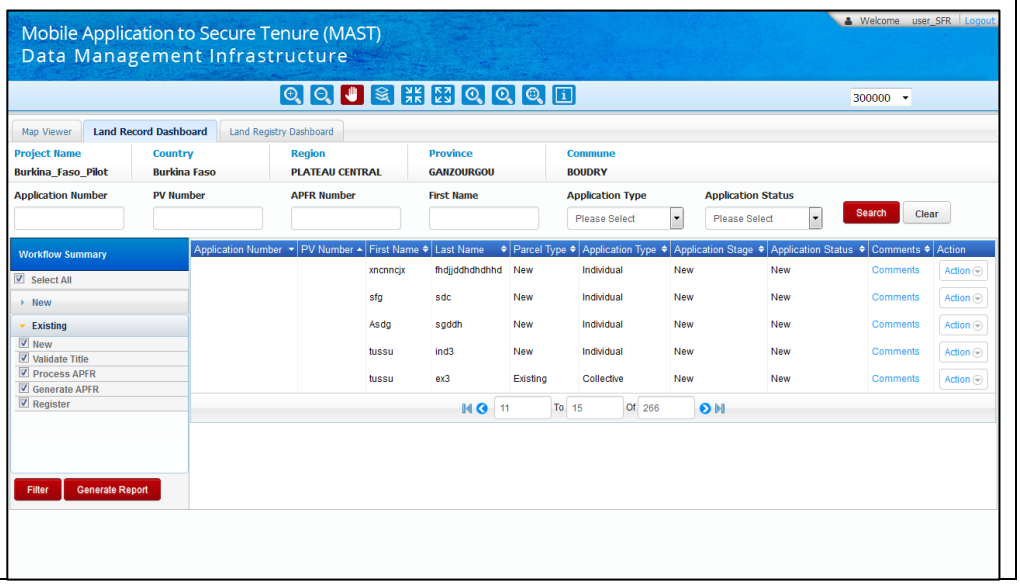
Use case	SFR Role
Brief Description	This functionality will allow user with this role to View, Edit, Approve/Reject and generate report in the application
Actors	SFR User
Preconditions	User has successfully logged in.
Trigger	User will click on Land Record TAB
Main Flow	1. User click on 'Land record' tab. 2. User view following section in 'Land Record' tab • Project name • Country name • Search option

	• Work flow summary • Land record display in table form 3. Display Search option with following fields-Parcel number, Application number, PV Number, Name etc. 4. User Search Land record according to searching option. 5. Display Workflow Summary section with following fields- New- • New • Validate & Generate Application • Process Application • Send for Opinion • Prepare for Adjudication • Publish • Generate APFR • Signature and Delivery • Register Existing- • New • Validate title • Process APFR • Generate APFR • Register 6. User display land record according to selected 'Workflow' from above options. 7. Land record display section in table with following fields- • Application Number • PV Number • Name • Last name • Parcel Type • Application Type • Application Stage • Application status • Action 8. User click on Action Button in Land Record table. 9. After click on Action Button System display following actions- • View map • View attribute • Edit Attribute • Print Map and Attribute • Approval • Reject • Generate MAP • View Parcel Number 10. If user clicks on 'View map' then system displays selected parcel on MAP and user can also edit the map. 11. If user clicks on 'View Attribute' then System display attribute for selected feature.

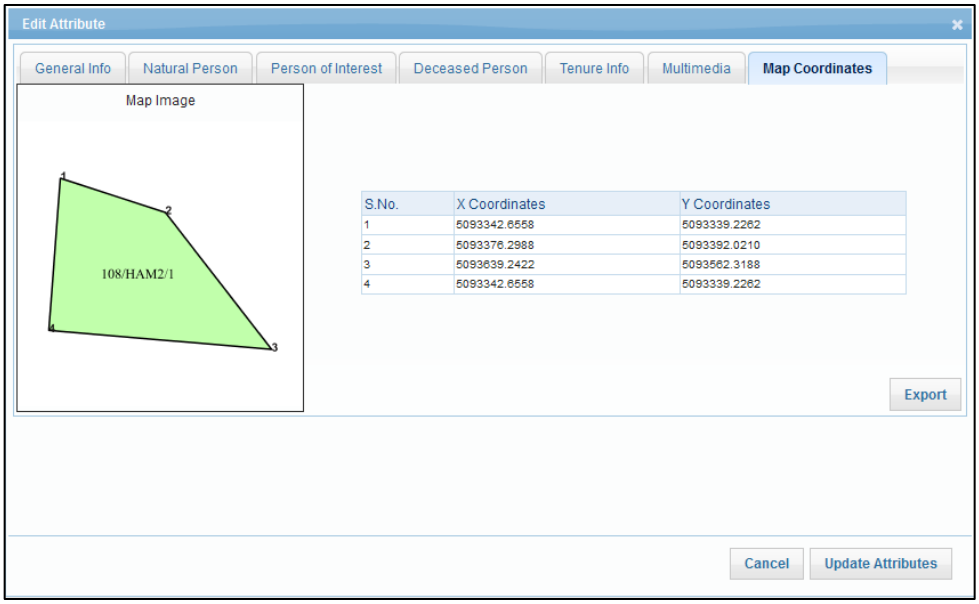
	12. If user clicks on 'Edit Attribute' then System display attribute in editable mode for selected feature. 13. In case of Existing parcel, user can add the required details of attributes (as required in APFR form generation) in the 'Edit Attribute' section and in case of new parcel; user can edit the existing attributes. 14. In 'View Attribute ' and ' Edit Attribute' section if Attribute is Collective then in 'Natural Person' section it displays multiple person and 'Person of Interest' section. 15. In 'View Attribute' and 'Edit Attribute' section, click on 'Map Coordinate' tab then system display map image with (x, y) coordinates and also display Export button. 16. In "Map Coordinate" section, click on Export button then system exports (x and y) coordinates to CSV File (See image 'Map coordinate' below the table). 17. User clicks on 'Generate Map' action then system displays radio 2 buttons i.e., Boundary Map, Area Map and Land Record Forms. 18. User select Boundary map from above then system display selected parcel in Boundary map in which x, y coordinates and Neighboring parcels are displayed. (See image 'Boundary Map' below the table) 19. User select Area map from above then system display complete village area and highlights selected parcel. (See image 'Standard map' below the table) 20. User clicks on 'Approval' action then system display a popup in which comment box display with 'Ok' and 'Cancel button'.(See 'approve' image below the table) 21. User click on Ok button then again display alert message "Do you want to approved selected parcel" with ok and cancel button .If user clicks on cancel button then approval action is cancel and popup is closed and in case user clicks on ok button then parcel is Approved(See 'approve' image below the table). 22. User click on 'Reject' action then system display a popup in which comment box display with 'ok' and 'Cancel button'(See 'Reject' image below the table). 23. User click on Ok button then application again displays alert message "Do you want to reject selected parcel" with ok and cancel button .If user click on cancel button then Reject action is cancel and popup is closed and in case user clicks on Ok button then parcel is rejected(See 'Reject' image below the table). 24. User click on 'print' action then system generate a popup with following fields- • Application form • Public notice • PV • Payment letter • APFR(Individual) • APFR(Collective) • Property boundary Map

	• Print button 25. User selects any option from above and takes printout but it depend on work flow summary. 26. If user click on 'View Parcel Number' action then System generate a popup window in which following fields are displayed: • USIN • Parcel Number(which consists of Section, Lot, Number) 27. User Click on 'Land Registry' tab and see the land registry details with following fields • Applicant Number • PV Number • APFR Number • Date of APFR • First name • Last name • Gender • Parcel type • Land use
Alternative Flows	1. After approve the 'Provide opinion' by DPI, SFR generates PV Number with Form and Payment Request letter. 2. After 'payment of fee' by Applicant, SFR Generate the APFR number with form.
Notes and Issues	NA

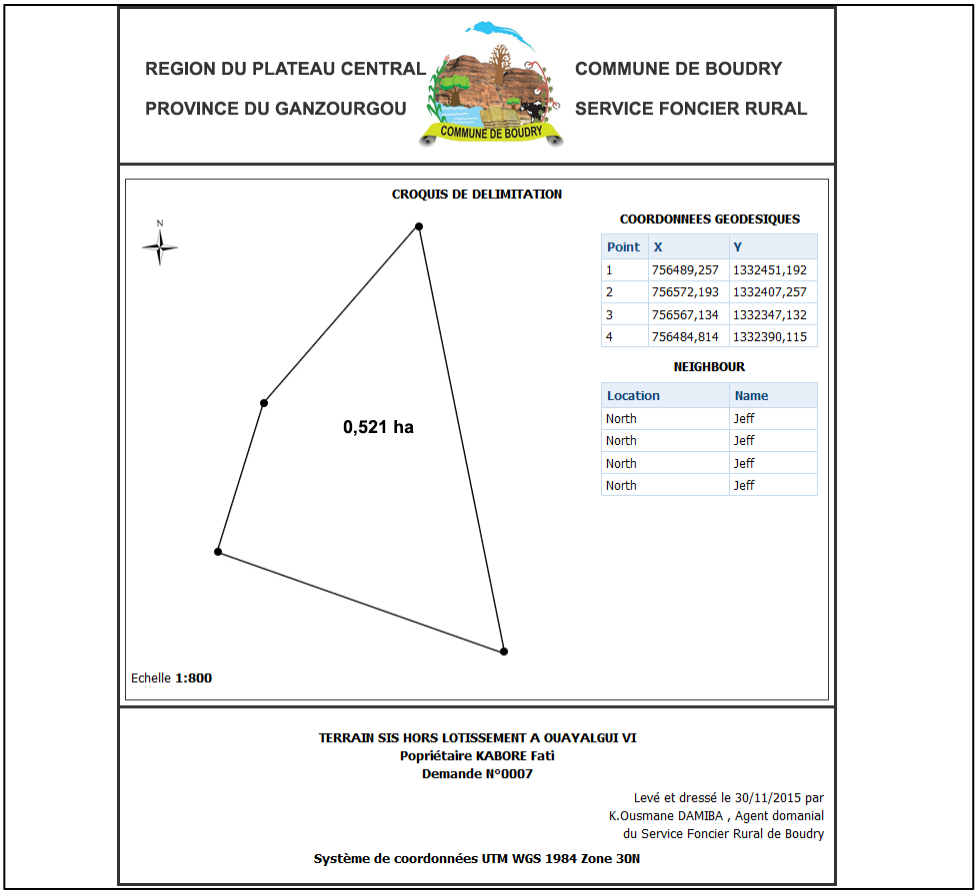
Screen 1	   

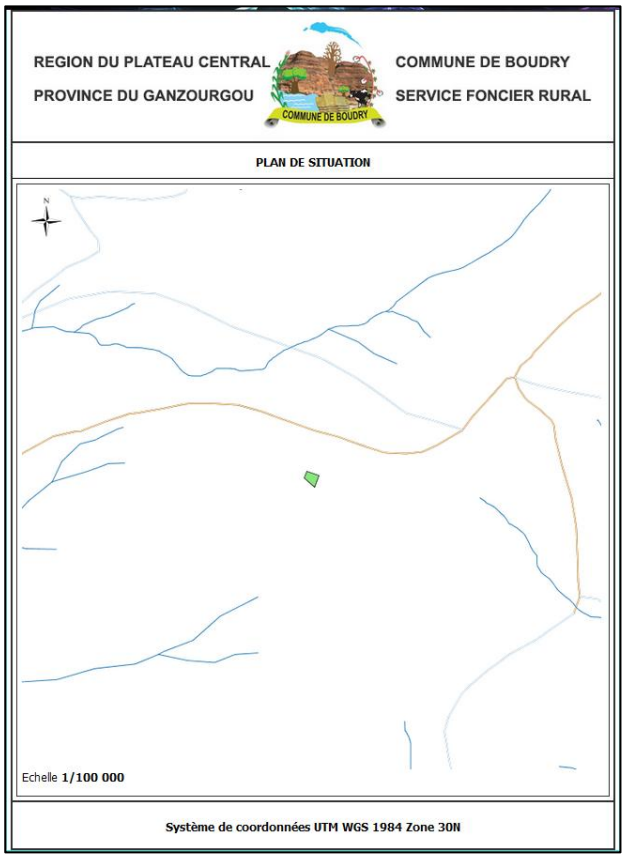
Screen 2 – SFR Dashboard	
Screen 3	

Screen 4 – Map coordinates



Screen 5 – Boundary Map

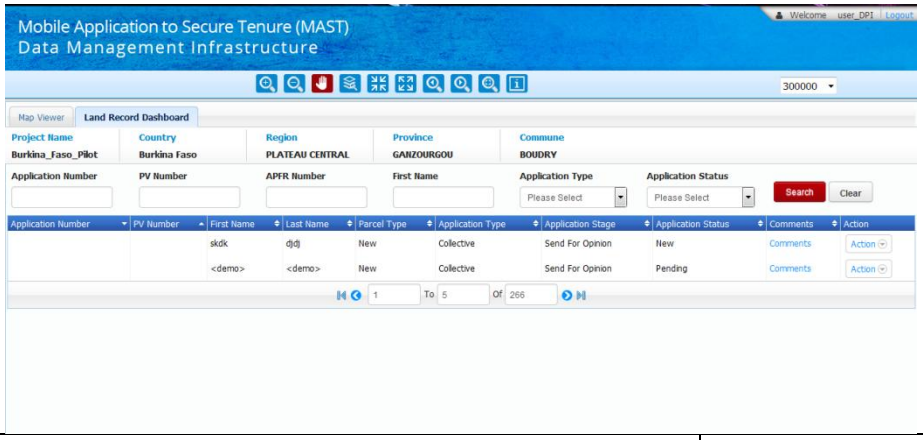


Screen 6 – Standard Map	

6.2.2 Use Case-MTP -12 DPI Role

Use case	DPI Role
Brief Description	This functionality will allow to DPI to view, Approve/Reject in the application.
Actors	DPI
Preconditions	User has successfully logged in.
Trigger	User will click on Land Record TAB
Main Flow	1. User click on 'Land record' TAB 2. Display Search option with following fields-Parcel number, Application number, PV Number etc. 3. User Search Land record according to searching option. 4. Land record display in table with following fields- • Application Number • PV Number • Name • Last name • Parcel Type

	• Application Type • Application Stage • Application status • Action 5. User click on Action Button in Land Record table. 6. After click on Action Button System display following actions- • View Map • View Attribute • Print Map and Attribute • Approval • Reject • Edit cadastral option 7. User clicks on 'View map' then system display selected parcel on MAP. 8. User click on 'View' then System display Attribute. 9. In "Map Coordinate" section, click on Export button then system export to CSV File for parcel. 10. User clicks on 'Approval' action then system display a popup in which Comment box display with 'ok' and 'Cancel button'. 11. User clicks on the Ok button then again display alert message "do you want to Approved selected parcel" with Ok and cancel button. If user clicks on cancel button then approval action is cancelled and popup is closed. If click on Ok button then parcel is Approved. 12. User clicks on 'Reject' action then system again display a popup in which Comment box display with 'Ok' and 'Cancel button' 13. If user click on the Ok button then application again display alert message "Do you want to reject selected parcel" with Ok and cancel button. If user clicks on Ok button then parcel is reject. if user click on cancel button then Reject action is cancel and popup is closed 14. User Click on 'Land Registry' tab and see the land registry details with following fields • Applicant Number • PV Number • APFR Number • Date of APFR • First name • Last name • Gender • Parcel type • Land use
Alternative Flows	NA
Notes and Issues	NA

Screen 1 – DPI dashboard	

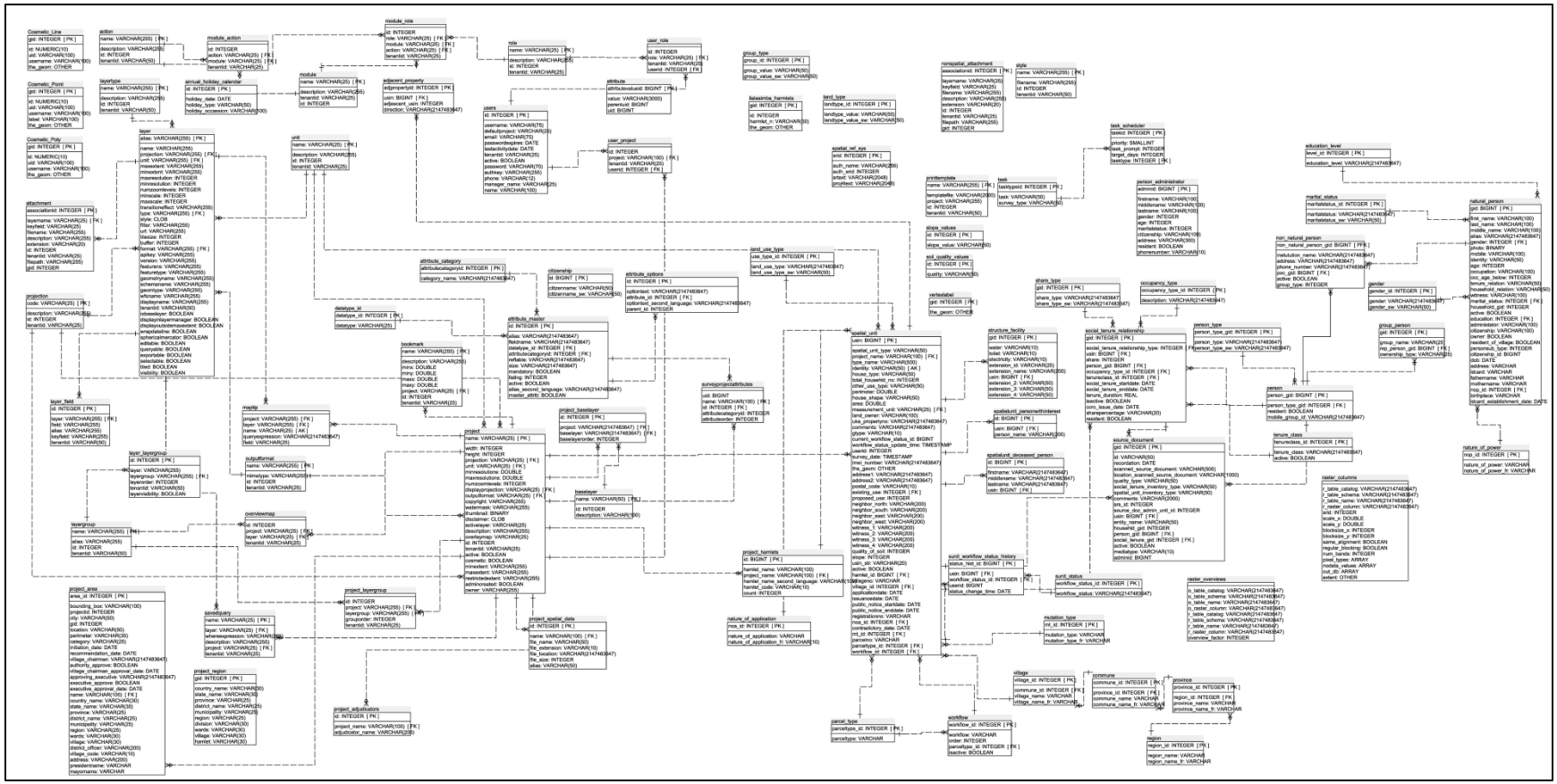
7 Data Model

7.1 Mobile Application

Category	So. No.	Table	Attribute		Description	
General	--	Project	Project Name		Project Name	
	--	Project	Spatial unit ID		Spatial ID Unit.	
	14	Project	Region	Yes	□	Project_Region ,Project_Area
	15	Project	Province	Yes	□	Project_Region ,Project_Area
	16	Project	Commune	No(Use as District)	□	Project_Region ,Project_Area
	--	Project	Commune Code		□	
	17	Project	Village	Yes	□	Project_Region ,Project_Area
	--	Project	Village Number			
	--	Project	Name of President of CV			
	44	Project	MayorName			
Property	28	Parcel (Spatial unit)	Existing Use	Yes	Agriculture	Spatial_Unit
					Pastoral	
					Syliviculture	
					Aquaculture	
					Other	
	24	Parcel (Spatial unit)	Neighbour North	Yes	□	Spatial_Unit
	25	Parcel (Spatial unit)	Neighbour South	Yes	□	Spatial_Unit
	26	Parcel (Spatial unit)	Neighbour East	Yes	□	Spatial_Unit
	27	Parcel (Spatial unit)	Neighbour West	Yes	□	Spatial_Unit
Tenure	34	Parcel (Spatial unit)	Location of issuance of the applicant	No	□	
	35	Parcel (Spatial unit)	Nature of Application	No	□	
	36	Tenure	Tenure Type (Individual/Collective)	Yes	individual	
					Collective	
	39	Parcel (Spatial unit)	No. Family Members(Household)	Yes	1,2,3,4,5….10	Spatial_Unit

	--	Type of Right	APFR			
Person		individual				
	1	person	First Name	Yes	□	Natural_Person
	2	person	Last Name	Yes	□	Natural_Person
	3	person	Date of Birth	No	□	
	4	person	Profession	Yes(Occupation)	□	Natural_Person
	5	person	Address	No	□	
	6	person	Refrence of ID Card	No	□	
	7	person	Father Name	No	□	
	8	person	Mother Name	No	□	
	9	person	Marital Status	Yes	□	Natural_Person
	10	person	Nature of Powers of Applicant	No	□	
	11	person	ID Number	No	□	
	38	Person	Id Card Establishment date	No	□	
	12	person	Gender	Yes	□	Natural_Person
	13	person	Place of Birth	No(Use as Citizenship)	□	
		If Collective, capture information for persons of interest				
	1	person	First Name	Yes	□	Natural_Person
	2	person	Last Name	Yes	□	Natural_Person
	3	person	Date of Birth	No	□	
	5	person	Address	No	□	
	6	person	Refrence of ID Card	No	□	
	38	Person	Id Card Establishment date		□	
	13	person	Place of Birth	No(Use as Citizenship)	□	

7.2 DMI- Data Management Infrastructure



7.2.1 action

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(255)
description	description	VARCHAR(255)
id	id	INTEGER
tenantid	tenantid	VARCHAR(50)

Referenced By

- module_action referencing (name)
- module_role referencing (name)

7.2.2 adjacent_property

Logical Column Name	Physical Column Name	Type
adjpropertyid (PK)	adjpropertyid	INTEGER
usin (FK)	usin	BIGINT
adjescent_usin	adjescent_usin	INTEGER
Direction	direction	VARCHAR(2147483647)

References

- spatial_unit through (usin)

7.2.3 attribute

Logical Column Name	Physical Column Name	Type
attributevalueid (PK)	attributevalueid	BIGINT
value	value	VARCHAR(3000)
parentuid	parentuid	BIGINT
uid	uid	BIGINT

7.2.4 attribute_category

Logical Column Name	Physical Column Name	Type
attributecategoryid (PK)	attributecategoryid	INTEGER
category_name	category_name	VARCHAR(2147483647)

Referenced By

- attribute_master referencing (attributecategoryid)

7.2.5 attribute_master

Logical Column Name	Physical Column Name	Type

id (PK)	id	INTEGER
Alias	alias	VARCHAR(2147483647)
Fieldname	fieldname	VARCHAR(2147483647)
datatype_id (FK)	datatype_id	INTEGER
attributecategoryid (FK)	attributecategoryid	INTEGER
Reftable	reftable	VARCHAR(2147483647)
Size	size	VARCHAR(2147483647)
Mandatory	mandatory	BOOLEAN
Listing	listing	INTEGER
Active	active	BOOLEAN
alias_second_language	alias_second_language	VARCHAR(2147483647)
master_attrib	master_attrib	BOOLEAN

References

- attribute_category through (attributecategoryid)
- datatype_id through (datatype_id)

Referenced By

- attribute_options referencing (id)
- surveyprojectattributes referencing (id)

7.2.6 attribute_options

Logical Column Name	Physical Column Name	Type
id (PK)	id	INTEGER
Optiontext	optiontext	VARCHAR(2147483647)
attribute_id (FK)	attribute_id	INTEGER
optiontext_second_language	optiontext_second_language	VARCHAR(2147483647)
parent_id	parent_id	INTEGER

References

- attribute_master through (attribute_id)

7.2.7 baselayer

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(50)
id	id	INTEGER

description	description	VARCHAR(100)

Referenced By

- project_baselayer referencing (name)

7.2.8 bookmark

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(255)
description	description	VARCHAR(255)
minx	minx	DOUBLE
miny	miny	DOUBLE
maxx	maxx	DOUBLE
maxy	maxy	DOUBLE
project (FK)	project	VARCHAR(25)
id	id	INTEGER
tenantid	tenantid	VARCHAR(25)

References

- project through (project)

7.2.9 citizenship

Logical Column Name	Physical Column Name	Type
id (PK)	id	BIGINT
citizenname	citizenname	VARCHAR(50)
citizenname_sw	citizenname_sw	VARCHAR(50)

7.2.10 commune

Logical Column Name	Physical Column Name	Type
commune_id (PK)	commune_id	INTEGER
province_id (FK)	province_id	INTEGER
commune_name	commune_name	VARCHAR(0)
commune_name_fr	commune_name_fr	VARCHAR(0)

References

- province through (province_id)

Referenced By

- village referencing (commune_id)

7.2.11 Cosmetic_Line

Logical Column Name	Physical Column Name	Type

gid (PK)	gid	INTEGER
id	id	NUMERIC(10,0)
uid	uid	VARCHAR(100)
username	username	VARCHAR(100)
the_geom	the_geom	Geometry

7.2.12 Cosmetic_Point

Logical Column Name	Physical Column Name	Type
gid (PK)	gid	INTEGER
id	id	NUMERIC(10,0)
uid	uid	VARCHAR(100)
username	username	VARCHAR(100)
label	label	VARCHAR(100)
the_geom	the_geom	GEOMETRY

7.2.13 Cosmetic_Poly

Logical Column Name	Physical Column Name	Type
gid (PK)	gid	INTEGER
id	id	NUMERIC(10,0)
uid	uid	VARCHAR(100)
username	username	VARCHAR(100)
the_geom	the_geom	GEOMETRY

7.2.14 datatype_id

Logical Column Name	Physical Column Name	Type
datatype_id (PK)	datatype_id	INTEGER
datatype	datatype	VARCHAR(25)

Referenced By

- attribute_master referencing (datatype_id)

7.2.15 education_level

Logical Column Name	Physical Column Name	Type
level_id (PK)	level_id	INTEGER
education_level	education_level	VARCHAR(2147483647)

Referenced By

- natural_person referencing (level_id)

7.2.16 gender

Logical Column Name	Physical Column Name	Type
gender_id (PK)	gender_id	INTEGER
gender	gender	VARCHAR(2147483647)
gender_sw	gender_sw	VARCHAR(50)

Referenced By

- natural_person referencing (gender_id)

7.2.17 group_person

Logical Column Name	Physical Column Name	Type
gid (PK)	gid	INTEGER
group_name	group_name	VARCHAR(25)
rep_person_gid (FK)	rep_person_gid	BIGINT
ownership_type	ownership_type	VARCHAR(25)

References

- person through (rep_person_gid)

7.2.18 group_type

Logical Column Name	Physical Column Name	Type
group_id (PK)	group_id	INTEGER
group_value	group_value	VARCHAR(50)
group_value_sw	group_value_sw	VARCHAR(50)

7.2.19 land_type

Logical Column Name	Physical Column Name	Type
landtype_id (PK)	landtype_id	INTEGER
landtype_value	landtype_value	VARCHAR(50)
landtype_value_sw	landtype_value_sw	VARCHAR(50)

7.2.20 land_use_type

Logical Column Name	Physical Column Name	Type
use_type_id (PK)	use_type_id	INTEGER
land_use_type	land_use_type	VARCHAR(2147483647)
land_use_type_sw	land_use_type_sw	VARCHAR(50)

Referenced By

- spatial_unit referencing (use_type_id)

7.2.21 layer

Logical Column Name	Physical Column Name	Type
alias (PK)	alias	VARCHAR(255)
name	name	VARCHAR(255)
projection (FK)	projection	VARCHAR(255)
unit (FK)	unit	VARCHAR(255)
maxextent	maxextent	VARCHAR(255)
minextent	minextent	VARCHAR(255)
maxresolution	maxresolution	INTEGER
minresolution	minresolution	INTEGER
numzoomlevels	numzoomlevels	INTEGER
minscale	minscale	INTEGER
maxscale	maxscale	INTEGER
transitioneffect	transitioneffect	VARCHAR(255)
type (FK)	type	VARCHAR(255)
style	style	CLOB
filter	filter	VARCHAR(255)
url	url	VARCHAR(255)
tilesize	tilesize	INTEGER
buffer	buffer	INTEGER
format (FK)	format	VARCHAR(255)
apikey	apikey	VARCHAR(255)
version	version	VARCHAR(255)
featurens	featurens	VARCHAR(255)
featuretype	featuretype	VARCHAR(255)
geometryname	geometryname	VARCHAR(255)
schemaname	schemaname	VARCHAR(255)
geomtype	geomtype	VARCHAR(255)
wfsname	wfsname	VARCHAR(255)
displayname	displayname	VARCHAR(255)
tenantid	tenantid	VARCHAR(50)
isbaselayer	isbaselayer	BOOLEAN
displayinlayermanager	displayinlayermanager	BOOLEAN
displayoutsidemaxextent	displayoutsidemaxextent	BOOLEAN

wrapdateline	wrapdateline	BOOLEAN
sphericalmercator	sphericalmercator	BOOLEAN
editable	editable	BOOLEAN
queryable	queryable	BOOLEAN
exportable	exportable	BOOLEAN
selectable	selectable	BOOLEAN
tiled	tiled	BOOLEAN
visibility	visibility	BOOLEAN

References

- layertype through (type)
- outputformat through (format)
- projection through (projection)
- unit through (unit)

Referenced By

- attachment referencing (alias)
- layer_field referencing (alias)
- maptip referencing (alias)
- savedquery referencing (alias)

7.2.22 layer_field

Logical Column Name	Physical Column Name	Type
id (PK)	id	INTEGER
layer (FK)	layer	VARCHAR(255)
field	field	VARCHAR(255)
alias	alias	VARCHAR(255)
keyfield	keyfield	VARCHAR(255)
tenantid	tenantid	VARCHAR(50)

References

- layer through (layer)

7.2.23 layer_layergroup

Logical Column Name	Physical Column Name	dType
id (PK)	id	INTEGER
layer	layer	VARCHAR(255)
layergroup (FK)	layergroup	VARCHAR(255)
layerorder	layerorder	INTEGER
tenantid	tenantid	VARCHAR(50)

layervisibility	layervisibility	BOOLEAN

References

- layergroup through (layergroup)

7.2.24 layergroup

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(255)
alias	alias	VARCHAR(255)
id	id	INTEGER
tenantid	tenantid	VARCHAR(50)

Referenced By

- layer_layergroup referencing (name)
- overviewmap referencing (name)
- project_layergroup referencing (name)

7.2.25 layertype

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(255)
description	description	VARCHAR(255)
id	id	INTEGER
tenantid	tenantid	VARCHAR(50)

Referenced By

- layer referencing (name)

7.2.26 maptip

Logical Column Name	Physical Column Name	Type
project (FK)	project	VARCHAR(255)
layer (FK)	layer	VARCHAR(255)
name	name	VARCHAR(25)
queryexpression	queryexpression	VARCHAR(2147483647)
field	field	VARCHAR(25)

References

- layer through (layer)
- project through (project)

7.2.27 marital_status

Logical Column Name	Physical Column Name	dType
maritalstatus_id (PK)	maritalstatus_id	INTEGER
maritalstatus	maritalstatus	VARCHAR(2147483647)
maritalstatus_sw	maritalstatus_sw	VARCHAR(50)

Referenced By

- natural_person referencing (maritalstatus_id)

7.2.28 module

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(25)
description	description	VARCHAR(255)
tenantid	tenantid	VARCHAR(25)
id	id	INTEGER

Referenced By

- module_action referencing (name)
- module_role referencing (name)

7.2.29 module_action

Logical Column Name	Physical Column Name	Type
id	id	INTEGER
action (FK)	action	VARCHAR(25)
module (FK)	module	VARCHAR(25)
tenantid	tenantid	VARCHAR(25)

References

- action through (action)
- module through (module)

7.2.30 module_role

Logical Column Name	Physical Column Name	Type
id	id	INTEGER
role (FK)	role	VARCHAR(25)
module (FK)	module	VARCHAR(25)

action (FK)	action	VARCHAR(25)
tenantid	tenantid	VARCHAR(25)

References

- action through (action)
- module through (module)
- role through (role)

7.2.31 mutation_type

Logical Column Name	Physical Column Name	dType
mt_id (PK)	mt_id	INTEGER
mutation_type	mutation_type	VARCHAR(0)
mutation_type_fr	mutation_type_fr	VARCHAR(0)

Referenced By

- spatial_unit referencing (mt_id)

7.2.32 natural_person

Logical Column Name	Physical Column Name	Type
gid (PK)	gid	BIGINT
first_name	first_name	VARCHAR(100)
last_name	last_name	VARCHAR(100)
middle_name	middle_name	VARCHAR(100)
alias	alias	VARCHAR(2147483647)
gender (FK)	gender	INTEGER
photo	photo	[-2]
mobile	mobile	VARCHAR(100)
identity	identity	VARCHAR(50)
age	age	INTEGER
occupation	occupation	VARCHAR(100)
occ_age_below	occ_age_below	INTEGER
tenure_relation	tenure_relation	VARCHAR(50)
household_relation	household_relation	VARCHAR(50)
witness	witness	VARCHAR(100)
marital_status (FK)	marital_status	INTEGER
household_gid	household_gid	INTEGER
active	active	BOOLEAN
education (FK)	education	INTEGER
administator	administator	VARCHAR(100)

citizenship	citizenship	VARCHAR(100)
owner	owner	BOOLEAN
resident_of_village	resident_of_village	BOOLEAN
personsub_type	personsub_type	INTEGER
citizenship_id	citizenship_id	BIGINT
dob	dob	DATE
address	address	VARCHAR(0)
idcard	idcard	VARCHAR(0)
fathername	fathername	VARCHAR(0)
mothername	mothername	VARCHAR(0)
nop_id (FK)	nop_id	INTEGER
birthplace	birthplace	VARCHAR(0)
idcard_establishment_date	idcard_establishment_date	DATE

References

- education_level through (education)
- gender through (gender)
- marital_status through (marital_status)
- nature_of_power through (nop_id)

Referenced By

- non_natural_person referencing (gid)

7.2.33 nature_of_application

Logical Column Name	Physical Column Name	dType
noa_id (PK)	noa_id	INTEGER
nature_of_application	nature_of_application	VARCHAR(0)
nature_of_application_fr	nature_of_application_fr	VARCHAR(10)

Referenced By

- spatial_unit referencing (noa_id)

7.2.34 nature_of_power

Logical Column Name	Physical Column Name	dType
nop_id (PK)	nop_id	INTEGER
nature_of_power	nature_of_power	VARCHAR(0)
nature_of_power_fr	nature_of_power_fr	VARCHAR(0)

Referenced By

- natural_person referencing (nop_id)

7.2.35 non_natural_person

Logical Column Name	Physical Column Name	dType
non_natural_person_gid (PK) (FK)	non_natural_person_gid	BIGINT
instutution_name	instutution_name	VARCHAR(2147483647)
address	address	VARCHAR(2147483647)
phone_number	phone_number	VARCHAR(2147483647)
poc_gid (FK)	poc_gid	BIGINT
active	active	BOOLEAN
group_type	group_type	INTEGER

References

- natural_person through (poc_gid)
- person through (non_natural_person_gid)

7.2.36 nonspatial_attachment

Logical Column Name	Physical Column Name	Type
associationid (PK)	associationid	INTEGER
layername	layername	VARCHAR(25)
keyfield	keyfield	VARCHAR(25)
filename	filename	VARCHAR(255)
description	description	VARCHAR(255)
extension	extension	VARCHAR(20)
id	id	INTEGER
tenantid	tenantid	VARCHAR(25)
filepath	filepath	VARCHAR(255)
gid	gid	INTEGER

7.2.37 occupancy_type

Logical Column Name	Physical Column Name	Type
occupancy_type_id (PK)	occupancy_type_id	INTEGER
description	description	VARCHAR(2147483647)

Referenced By

- social_tenure_relationship referencing (occupancy_type_id)

7.2.38 outputformat

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(255)
mimetype	mimetype	VARCHAR(255)
id	id	INTEGER
tenantid	tenantid	VARCHAR(25)

Referenced By

- layer referencing (name)
- project referencing (name)

7.2.39 overviewmap

Logical Column Name	Physical Column Name	Type
id	id	INTEGER
project (FK)	project	VARCHAR(25)
layer (FK)	layer	VARCHAR(25)
tenantid	tenantid	VARCHAR(25)

References

- layergroup through (layer)
- project through (project)

7.2.40 parcel_type

Logical Column Name	Physical Column Name	Type
parceltype_id (PK)	parceltype_id	INTEGER
parceltype	parceltype	VARCHAR(0)

Referenced By

- spatial_unit referencing (parceltype_id)
- workflow referencing (parceltype_id)

7.2.41 person

Logical Column Name	Physical Column Name	dType
person_gid (PK)	person_gid	BIGINT
person_type_gid (FK)	person_type_gid	INTEGER
resident	resident	BOOLEAN
mobile_group_id	mobile_group_id	VARCHAR(2147483647)

References

- person_type through (person_type_gid)

Referenced By

- group_person referencing (person_gid)
- non_natural_person referencing (person_gid)
- social_tenure_relationship referencing (person_gid)
- source_document referencing (person_gid)

7.2.42 person_administrator

Logical Column Name	Physical Column Name	Type
adminid (PK)	adminid	BIGINT
firstname	firstname	VARCHAR(100)
middlename	middlename	VARCHAR(100)
lastname	lastname	VARCHAR(100)
gender	gender	INTEGER
age	age	INTEGER
maritalstatus	maritalstatus	INTEGER
citizenship	citizenship	VARCHAR(100)
address	address	VARCHAR(300)
resident	resident	BOOLEAN
phonenumber	phonenumber	VARCHAR(10)

7.2.43 person_type

Logical Column Name	Physical Column Name	Type
person_type_gid (PK)	person_type_gid	INTEGER
person_type	person_type	VARCHAR(2147483647)
person_type_sw	person_type_sw	VARCHAR(2147483647)

Referenced By

- person referencing (person_type_gid)

7.2.44 printtemplate

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(255)
templatefile	templatefile	VARCHAR(2000)
project	project	VARCHAR(255)
id	id	INTEGER
tenantid	tenantid	VARCHAR(50)

7.2.45 project

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(25)
width	width	INTEGER

height	height	INTEGER
projection (FK)	projection	VARCHAR(25)
unit (FK)	unit	VARCHAR(25)
minresolutions	minresolutions	DOUBLE
maxresolutions	maxresolutions	DOUBLE
numzoomlevels	numzoomlevels	INTEGER
displayprojection (FK)	displayprojection	VARCHAR(25)
outputformat (FK)	outputformat	VARCHAR(25)
copyright	copyright	VARCHAR(255)
watermask	watermask	VARCHAR(255)
thumbnail	thumbnail	[-2]
disclaimer	disclaimer	CLOB
activelayer	activelayer	VARCHAR(25)
description	description	VARCHAR(255)
overlaymap	overlaymap	VARCHAR(25)
id	id	INTEGER
tenantid	tenantid	VARCHAR(25)
active	active	BOOLEAN
cosmetic	cosmetic	BOOLEAN
minextent	minextent	VARCHAR(255)
maxextent	maxextent	VARCHAR(255)
restrictedextent	restrictedextent	VARCHAR(255)
admincreated	admincreated	BOOLEAN
owner	owner	VARCHAR(255)

References

- outputformat through (outputformat)
- projection through (projection)
- projection through (displayprojection)
- unit through (unit)

Referenced By

- bookmark referencing (name)
- maptip referencing (name)
- overviewmap referencing (name)
- project_adjudicators referencing (name)
- project_area referencing (name)
- project_baselayer referencing (name)
- project_hamlets referencing (name)

- project_layergroup referencing (name)
- project_spatial_data referencing (name)
- savedquery referencing (name)
- spatial_unit referencing (name)
- surveyprojectattributes referencing (name)
- user_project referencing (name)

7.2.46 project_adjudicators

Logical Column Name	Physical Column Name	Type
id (PK)	id	INTEGER
project_name (FK)	project_name	VARCHAR(100)
adjudicator_name	adjudicator_name	VARCHAR(200)

References

- project through (project_name)

7.2.47 project_area

Logical Column Name	Physical Column Name	Type
area_id (PK)	area_id	INTEGER
bounding_box	bounding_box	VARCHAR(100)
projectid	projectid	INTEGER
city	city	VARCHAR(50)
gid	gid	INTEGER
location	location	VARCHAR(50)
perimeter	perimeter	VARCHAR(35)
category	category	VARCHAR(25)
initiation_date	initiation_date	DATE
recommendation_date	recommendation_date	DATE
village_chairman	village_chairman	VARCHAR(2147483647)
authority_approve	authority_approve	BOOLEAN
village_chairman_approval_date	village_chairman_approval_date	DATE
approving_executive	approving_executive	VARCHAR(2147483647)
executive_approve	executive_approve	BOOLEAN
executive_approval_date	executive_approval_date	DATE
name (FK)	name	VARCHAR(100)
country_name	country_name	VARCHAR(30)
state_name	state_name	VARCHAR(30)
province	province	VARCHAR(25)

district_name	district_name	VARCHAR(25)
municipality	municipality	VARCHAR(25)
region	region	VARCHAR(25)
wards	wards	VARCHAR(30)
village	village	VARCHAR(30)
district_officer	district_officer	VARCHAR(200)
village_code	village_code	VARCHAR(10)
address	address	VARCHAR(200)
presidentname	presidentname	VARCHAR(0)
mayorname	mayorname	VARCHAR(0)

References

- project through (name)

7.2.48 project_baselayer

Logical Column Name	Physical Column Name	Type
id (PK)	id	INTEGER
project (FK)	project	VARCHAR(2147483647)
baselayer (FK)	baselayer	VARCHAR(2147483647)
baselayerorder	baselayerorder	INTEGER

References

- baselayer through (baselayer)
- project through (project)

7.2.49 project_hamlets

Logical Column Name	Physical Column Name	Type
id (PK)	id	BIGINT
hamlet_name	hamlet_name	VARCHAR(100)
project_name (FK)	project_name	VARCHAR(100)
hamlet_name_second_language	hamlet_name_second_language	VARCHAR(100)
hamlet_code	hamlet_code	VARCHAR(10)
count	count	INTEGER

References

- project through (project_name)

Referenced By

- spatial_unit referencing (id)

7.2.50 project_layergroup

Logical Column Name	Physical Column Name	Type
id	id	INTEGER
project (FK)	project	VARCHAR(255)
layergroup (FK)	layergroup	VARCHAR(255)
grouporder	grouporder	INTEGER
tenantid	tenantid	VARCHAR(25)

References

- layergroup through (layergroup)
- project through (project)

7.2.51 project_region

Logical Column Name	Physical Column Name	Type	PK	Nullable
gid (PK)	gid	INTEGER		
country_name	country_name	VARCHAR(30)		
state_name	state_name	VARCHAR(30)		
province	province	VARCHAR(25)		
district_name	district_name	VARCHAR(25)		
municipality	municipality	VARCHAR(25)		
region	region	VARCHAR(25)		
division	division	VARCHAR(30)		
wards	wards	VARCHAR(30)		
village	village	VARCHAR(30)		
hamlet	hamlet	VARCHAR(30)		

7.2.52 project_spatial_data

Logical Column Name	Physical Column Name	Type
id (PK)	id	INTEGER
name (FK)	name	VARCHAR(100)
file_name	file_name	VARCHAR(50)
file_extension	file_extension	VARCHAR(10)
file_location	file_location	VARCHAR(2147483647)

file_size	file_size	INTEGER
alias	alias	VARCHAR(50)

References

- project through (name)

7.2.53 projection

Logical Column Name	Physical Column Name	Type
code (PK)	code	VARCHAR(25)
description	description	VARCHAR(255)
id	id	INTEGER
tenantid	tenantid	VARCHAR(25)

Referenced By

- layer referencing (code)
- project referencing (code)
- project referencing (code)

7.2.54 province

Logical Column Name	Physical Column Name	Type
province_id (PK)	province_id	INTEGER
region_id (FK)	region_id	INTEGER
province_name	province_name	VARCHAR(0)
province_name_fr	province_name_fr	VARCHAR(0)

References

- region through (region_id)

Referenced By

- commune referencing (province_id)

7.2.55 raster_columns

Logical Column Name	Physical Column Name	Type
r_table_catalog	r_table_catalog	VARCHAR(2147483647)
r_table_schema	r_table_schema	VARCHAR(2147483647)
r_table_name	r_table_name	VARCHAR(2147483647)
r_raster_column	r_raster_column	VARCHAR(2147483647)
srid	srid	INTEGER
scale_x	scale_x	DOUBLE
scale_y	scale_y	DOUBLE

blocksize_x	blocksize_x	INTEGER
blocksize_y	blocksize_y	INTEGER
same_alignment	same_alignment	BOOLEAN
regular_blocking	regular_blocking	BOOLEAN
num_bands	num_bands	INTEGER
pixel_types	pixel_types	[2003]
nodata_values	nodata_values	[2003]
out_db	out_db	[2003]
extent	extent	Geometry

7.2.56 raster_overviews

Logical Column Name	Physical Column Name	Type
o_table_catalog	o_table_catalog	VARCHAR(2147483647)
o_table_schema	o_table_schema	VARCHAR(2147483647)
o_table_name	o_table_name	VARCHAR(2147483647)
o_raster_column	o_raster_column	VARCHAR(2147483647)
r_table_catalog	r_table_catalog	VARCHAR(2147483647)
r_table_schema	r_table_schema	VARCHAR(2147483647)
r_table_name	r_table_name	VARCHAR(2147483647)
r_raster_column	r_raster_column	VARCHAR(2147483647)
overview_factor	overview_factor	INTEGER

7.2.57 region

Logical Column Name	Physical Column Name	Type
region_id (PK)	region_id	INTEGER
region_name	region_name	VARCHAR(0)
region_name_fr	region_name_fr	VARCHAR(0)

Referenced By

- province referencing (region_id)

7.2.58 role

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(25)
description	description	VARCHAR(255)
id	id	INTEGER
tenantid	tenantid	VARCHAR(25)

Referenced By

- module_role referencing (name)

- user_role referencing (name)

7.2.59 savedquery

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(25)
layer (FK)	layer	VARCHAR(25)
whereexpression	whereexpression	VARCHAR(255)
description	description	VARCHAR(255)
project (FK)	project	VARCHAR(25)
tenantid	tenantid	VARCHAR(25)

References

- layer through (layer)
- project through (project)

7.2.60 share_type

Logical Column Name	Physical Column Name	Type
gid (PK)	gid	INTEGER
share_type	share_type	VARCHAR(2147483647)
share_type_sw	share_type_sw	VARCHAR(2147483647)

Referenced By

- social_tenure_relationship referencing (gid)

7.2.61 slope_values

Logical Column Name	Physical Column Name	Type
id (PK)	id	INTEGER
slope_value	slope_value	VARCHAR(50)

7.2.62 social_tenure_relationship

Logical Column Name	Physical Column Name	Type
gid (PK)	gid	INTEGER
social_tenure_relationship_type (FK)	social_tenure_relationship_type	INTEGER
usin (FK)	usin	BIGINT
share	share	INTEGER
person_gid (FK)	person_gid	BIGINT
occupancy_type_id (FK)	occupancy_type_id	INTEGER
tenureclass_id (FK)	tenureclass_id	INTEGER
social_tenure_startdate	social_tenure_startdate	DATE
social_tenure_enddate	social_tenure_enddate	DATE

tenure_duration	tenure_duration	REAL
isactive	isactive	BOOLEAN
ccro_issue_date	ccro_issue_date	DATE
sharepercentage	sharepercentage	VARCHAR(20)
resident	resident	BOOLEAN

References

- occupancy_type through (occupancy_type_id)
- person through (person_gid)
- share_type through (social_tenure_relationship_type)
- spatial_unit through (usin)
- tenure_class through (tenureclass_id)

Referenced By

- source_document referencing (gid)

7.2.63 soil_quality_values

Logical Column Name	Physical Column Name	Type
id (PK)	id	INTEGER
quality	quality	VARCHAR(50)

7.2.64 source_document

Logical Column Name	Physical Column Name	Type
gid (PK)	gid	INTEGER
id	id	VARCHAR(50)
recordation	recordation	DATE
scanned_source_document	scanned_source_document	VARCHAR(500)
location_scanned_source_document	location_scanned_source_document	VARCHAR(1000)
quality_type	quality_type	VARCHAR(50)
social_tenure_inventory_type	social_tenure_inventory_type	VARCHAR(50)
spatial_unit_inventory_type	spatial_unit_inventory_type	VARCHAR(50)
comments	comments	VARCHAR(2000)
srs_id	srs_id	INTEGER
source_doc_admin_unit_id	source_doc_admin_unit_id	INTEGER
usin (FK)	usin	BIGINT

entity_name	entity_name	VARCHAR(50)
househld_gid	househld_gid	INTEGER
person_gid (FK)	person_gid	BIGINT
social_tenure_gid (FK)	social_tenure_gid	INTEGER
active	active	BOOLEAN
mediatype	mediatype	VARCHAR(10)
adminid	adminid	BIGINT

References

- person through (person_gid)
- social_tenure_relationship through (social_tenure_gid)
- spatial_unit through (usin)

7.2.65 spatial_ref_sys

Logical Column Name	Physical Column Name	Type
srid (PK)	srid	INTEGER
auth_name	auth_name	VARCHAR(256)
auth_srid	auth_srid	INTEGER
srtext	srtext	VARCHAR(2048)
proj4text	proj4text	VARCHAR(2048)

7.2.66 spatial_unit

Logical Column Name	Physical Column Name	Type
usin (PK)	usin	BIGINT
spatial_unit_type	spatial_unit_type	VARCHAR(50)
project_name (FK)	project_name	VARCHAR(100)
type_name	type_name	VARCHAR(500)
identity	identity	VARCHAR(50)
house_type	house_type	VARCHAR(50)
total_househld_no	total_househld_no	INTEGER
other_use_type	other_use_type	VARCHAR(50)
perimeter	perimeter	DOUBLE
house_shape	house_shape	VARCHAR(50)
area	area	DOUBLE
measurement_unit (FK)	measurement_unit	VARCHAR(25)
land_owner	land_owner	VARCHAR(100)
uka_propertyno	uka_propertyno	VARCHAR(2147483647)
comments	comments	VARCHAR(2147483647)
gtype	gtype	VARCHAR(10)

current_workflow_status_id	current_workflow_status_id	BIGINT
workflow_status_update_time	workflow_status_update_time	TIMESTAMP
userid	userid	INTEGER
survey_date	survey_date	TIMESTAMP
imei_number	imei_number	VARCHAR(2147483647)
the_geom	the_geom	Geometry
address1	address1	VARCHAR(2147483647)
address2	address2	VARCHAR(2147483647)
postal_code	postal_code	VARCHAR(10)
existing_use (FK)	existing_use	INTEGER
proposed_use	proposed_use	INTEGER
neighbor_north	neighbor_north	VARCHAR(200)
neighbor_south	neighbor_south	VARCHAR(200)
neighbor_east	neighbor_east	VARCHAR(200)
neighbor_west	neighbor_west	VARCHAR(200)
witness_1	witness_1	VARCHAR(200)
witness_2	witness_2	VARCHAR(200)
witness_3	witness_3	VARCHAR(200)
witness_4	witness_4	VARCHAR(200)
quality_of_soil	quality_of_soil	INTEGER
slope	slope	INTEGER
usin_str	usin_str	VARCHAR(20)
active	active	BOOLEAN
hamlet_id (FK)	hamlet_id	BIGINT
villageno	villageno	VARCHAR(0)
village_id (FK)	village_id	INTEGER
applicationdate	applicationdate	DATE
issuancedate	issuancedate	DATE
public_notice_startdate	public_notice_startdate	DATE
public_notice_enddate	public_notice_enddate	DATE
registrationno	registrationno	VARCHAR(0)
noa_id (FK)	noa_id	INTEGER
contradictory_date	contradictory_date	DATE
mt_id (FK)	mt_id	INTEGER
parcelno	parcelno	VARCHAR(0)
parceltype_id (FK)	parceltype_id	INTEGER

workflow_id (FK)	workflow_id	INTEGER

References

- land_use_type through (existing_use)
- project through (project_name)
- project_hamlets through (hamlet_id)
- unit through (measurement_unit)
- nature_of_application through (noa_id)
- mutation_type through (mt_id)
- village through (village_id)
- workflow through (workflow_id)
- parcel_type through (parceltype_id)

Referenced By

- adjacent_property referencing (usin)
- social_tenure_relationship referencing (usin)
- source_document referencing (usin)
- spatialunit_deceased_person referencing (usin)
- spatialunit_personwithinterest referencing (usin)
- structure_facility referencing (usin)
- sunit_workflow_status_history referencing (usin)

7.2.67 spatialunit_deceased_person

Logical Column Name	Physical Column Name	Type
id (PK)	id	BIGINT
firstname	firstname	VARCHAR(2147483647)
middlename	middlename	VARCHAR(2147483647)
lastname	lastname	VARCHAR(2147483647)
usin (FK)	usin	BIGINT

References

- spatial_unit through (usin)

7.2.68 spatialunit_personwithinterest

(Physical Name: spatialunit_personwithinterest) Logical Column Name	Physical Column Name	Type
id (PK)	id	BIGINT
usin (FK)	usin	BIGINT
person_name	person_name	VARCHAR(200)

References

- spatial_unit through (usin)

7.2.69 structure_facility

Logical Column Name	Physical Column Name	Type
gid (PK)	gid	INTEGER
water	water	VARCHAR(10)
toilet	toilet	VARCHAR(10)
electricity	electricity	VARCHAR(10)
extension_id	extension_id	VARCHAR(25)
extension_name	extension_name	VARCHAR(200)
usin (FK)	usin	BIGINT
extension_2	extension_2	VARCHAR(50)
extension_3	extension_3	VARCHAR(50)
extension_4	extension_4	VARCHAR(50)

References

- spatial_unit through (usin)

7.2.70 style

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(255)
filename	filename	VARCHAR(255)
id	id	INTEGER
tenantid	tenantid	VARCHAR(50)

sunit_status

Logical Column Name	Physical Column Name	Type
workflow_status_id (PK)	workflow_status_id	INTEGER
workflow_status	workflow_status	VARCHAR(2147483647)

Referenced By

- sunit_workflow_status_history referencing (workflow_status_id)

7.2.71 sunit_workflow_status_history

Logical Column Name	Physical Column Name	Type
status_hist_id (PK)	status_hist_id	BIGINT
usin (FK)	usin	BIGINT
workflow_status_id (FK)	workflow_status_id	INTEGER
userid	userid	BIGINT
status_change_time	status_change_time	DATE

References

- spatial_unit through (usin)
- sunit_status through (workflow_status_id)

7.2.72 surveyprojectattributes

Logical Column Name	Physical Column Name	Type
uid	uid	BIGINT
name (FK)	name	VARCHAR(100)
id (FK)	id	INTEGER
attributecategoryid	attributecategoryid	INTEGER
attributeorder	attributeorder	INTEGER

References

- attribute_master through (id)
- project through (name)

7.2.73 task

Logical Column Name	Physical Column Name	Type
tasktypeid (PK)	tasktypeid	INTEGER
task	task	VARCHAR(50)
survey_type	survey_type	VARCHAR(50)

Referenced By

- task_scheduler referencing (tasktypeid)

7.2.74 task_scheduler

Logical Column Name	Physical Column Name	Type
taskid (PK)	taskid	INTEGER
priority	priority	SMALLINT
task_prompt	task_prompt	INTEGER
target_days	target_days	INTEGER
tasktype (FK)	tasktype	INTEGER

References

- task through (tasktype)

7.2.75 tenure_class

Logical Column Name	Physical Column Name	Type
tenureclass_id (PK)	tenureclass_id	INTEGER
tenure_class	tenure_class	VARCHAR(2147483647)
Active	active	BOOLEAN

Referenced By

- social_tenure_relationship referencing (tenureclass_id)

7.2.76 unit

Logical Column Name	Physical Column Name	Type
name (PK)	name	VARCHAR(25)
description	description	VARCHAR(255)
Id	id	INTEGER
Tenanted	tenantid	VARCHAR(25)

Referenced By

- layer referencing (name)
- project referencing (name)
- spatial_unit referencing (name)

7.2.77 user_project

Logical Column Name	Physical Column Name	Type
Id	id	INTEGER
project (FK)	project	VARCHAR(100)
Tenanted	tenantid	VARCHAR(25)
userid (FK)	userid	INTEGER

References

- project through (project)
- users through (userid)

7.2.78 user_role

Logical Column Name	Physical Column Name	Type
Id	id	INTEGER
role (FK)	role	VARCHAR(25)
Tenanted	tenantid	VARCHAR(25)
userid (FK)	userid	INTEGER

References

- role through (role)
- users through (userid)

7.2.79 users

(Physical Name: users) **Logical Column Name**	**Physical Column Name**	**Type**
id (PK)	id	INTEGER
username	username	VARCHAR(75)
defaultproject	defaultproject	VARCHAR(25)
Email	email	VARCHAR(75)
passwordexpires	passwordexpires	DATE
lastactivitydate	lastactivitydate	DATE
Tenanted	tenantid	VARCHAR(25)
Active	active	BOOLEAN
password	password	VARCHAR(70)
Authkey	authkey	VARCHAR(255)
Phone	phone	VARCHAR(12)
manager_name	manager_name	VARCHAR(25)
Name	name	VARCHAR(100)

Referenced By

- user_project referencing (id)
- user_role referencing (id)

7.2.80 vertexlabel

Logical Column Name	**Physical Column Name**	**Type**
gid (PK)	gid	INTEGER
the_geom	the_geom	Geometry

7.2.81 village

Logical Column Name	**Physical Column Name**	**Type**
village_id (PK)	village_id	INTEGER
commune_id (FK)	commune_id	INTEGER
village_name	village_name	VARCHAR(0)
village_name_fr	village_name_fr	VARCHAR(0)

References

- commune through (commune_id)

Referenced By

- spatial_unit referencing (village_id)

7.2.82 workflow

Logical Column Name	Physical Column Name	Type
workflow_id (PK)	workflow_id	INTEGER
workflow	workflow	VARCHAR(0)
order	order	INTEGER
parceltype_id (FK)	parceltype_id	INTEGER
isactive	isactive	BOOLEAN

References

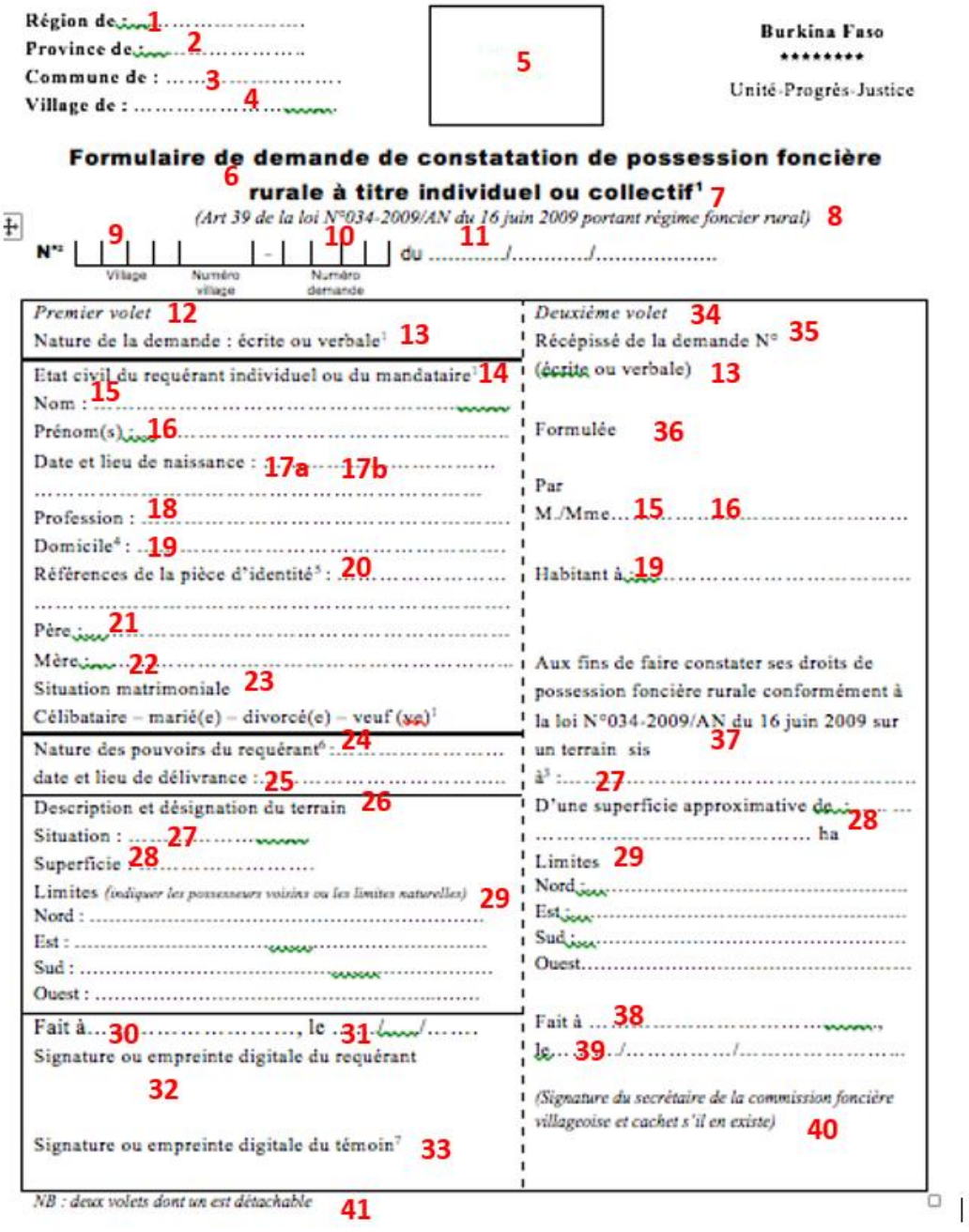
- parcel_type through (parceltype_id)

Referenced By

- spatial_unit referencing (workflow_id)

7.4 Land Rights Application and Documents

7.4.1 Form 1: Demande de constatation de possession foncière rurale à titre individuel ou collectif (Form 1 – Application form for individuals of collective)



Région de : 1 ……
Province de : 2 ……
Commune de : 3 ……
Village de : 4 ……

5

Burkina Faso
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Unité-Progrès-Justice

Formulaire de demande de constatation de possession foncière rurale à titre individuel ou collectif[1] 6 7

(Art 39 de la loi N°034-2009/AN du 16 juin 2009 portant régime foncier rural) 8

N° 9 (Village / Numéro village) – 10 (Numéro demande) du 11 ……/……/……

Premier volet 12
Nature de la demande : écrite ou verbale[1] 13

Etat civil du requérant individuel ou du mandataire[1] 14
Nom : 15 ……
Prénom(s) : 16 ……
Date et lieu de naissance : 17a 17b ……
Profession : 18 ……
Domicile[4] : 19 ……
Références de la pièce d'identité[5] : 20 ……
Père : 21 ……
Mère : 22 ……
Situation matrimoniale 23
Célibataire – marié(e) – divorcé(e) – veuf (ve)[1]

Nature des pouvoirs du requérant[6] : 24 ……
date et lieu de délivrance : 25 ……

Description et désignation du terrain 26
Situation : 27 ……
Superficie 28 ……
Limites *(indiquer les possesseurs voisins ou les limites naturelles)* 29
Nord : ……
Est : ……
Sud : ……
Ouest : ……

Fait à 30 ……, le 31 ……/……/……
Signature ou empreinte digitale du requérant
32

Signature ou empreinte digitale du témoin[7] 33

Deuxième volet 34
Récépissé de la demande N° 35
(écrite ou verbale) 13

Formulée 36

Par
M./Mme 15 16 ……

Habitant à 19 ……

Aux fins de faire constater ses droits de possession foncière rurale conformément à la loi N°034-2009/AN du 16 juin 2009 sur un terrain sis 37
à[3] : 27 ……
D'une superficie approximative de 28 ……
…… ha
Limites 29
Nord : ……
Est : ……
Sud : ……
Ouest : ……

Fait à 38 ……,
le 39 ……/……/……

(Signature du secrétaire de la commission foncière villageoise et cachet s'il en existe) 40

NB : deux volets dont un est détachable 41

7.4.2 Form 2: Formulaire de Mandat pr demande collective_final_KDG_validé Mandate for collective application)

Région de : 1 .....
Province de : 2 .....
Commune de : 3 .....
Village de : 4 .....

5

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Mandat pour l'obtention de l'attestation de possession foncière rurale (APFR) à titre collectif 42

Nous soussignés, membres de la famille 43 ..... domiciliée à 44 ..... dont la liste est jointe en annexe, réunis ce jour 45 à 46 donnons mandat à M. / Mme 15 16 né (e) le 17a à 17b pièce d'identité N° 20 du 47 .....de représenter tous les membres, d'agir au nom et pour le compte de la famille susnommée pour accomplir les formalités et actes requis aux fins de la délivrance d'une attestation de possession foncière rurale (APFR) à titre collectif afférente à une terre rurale sise dans le village de 48 ..... de la Commune de 27 .....

Fait à 49 ....., le 50 ...../...../.....

NB. A faire légaliser par une autorité compétente 51

Ont signé ou apposé leurs empreintes digitales, les personnes dont les noms et prénoms suivent : 52

N°	Nom et Prénom(s)	Références de la pièce d'identité[1]	Adresse	Signature ou empreinte digitale
53	54 + 55	56	57	58

7.4.3 Form 3: Formulaire_avis_publicté foncière_final_KDG_validé (Public Notice)

Région de : 1 ……
Province de : 2 ……
Commune de : ……3……
Village de : ……4……

5

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AVIS AU PUBLIC 59

(Publicité de la demande de constatation de possession foncière rurale) 60

(Articles 8 à 11 du Décret N°2010-402 PRES/PM/MAHRH/MRA/MECV/MEF/MATD/ MJ du 29 juillet 2010 portant procédure de constatation de possession foncière rurale des particuliers) 61

Sur une demande de constatation de possession foncière rurale d'une terre située dans le village de ……48…… le/la président(e) de la commission foncière villageoise dudit village informe la population que M./Mme[2] ……15 + 16…… domicilié (e) à 19…… né (e) le ……17a……à 17b……, agissant 1) pour son propre compte 2) pour le compte de la famille[1]……43…… a demandé la constatation contradictoire de la possession foncière rurale sur une terre Section …62.., Ilot …63…, Parcelle ..64…., Superficie :..65……ha, ……a, ……..ca.

Le terrain objet de la demande est actuellement à usage[2] 66

- ☐ Agricole
- ☐ Pastorale
- ☐ Sylvicole
- ☐ Aquacole
- ☐ Faunique
- ☐ Autre (s) ……

Il est limité : 29

- Au nord par : ……
- A l'est par : ……
- Au sud par : ……
- A l'ouest par : ……

Toute personne pouvant faire valoir des droits sur le terrain objet de la demande ou ayant connaissance de faits de nature à affecter ou à remettre en cause la constatation des droits du demandeur est invitée à se manifester auprès du service foncier de la commune de ……67……

Les réclamations, oppositions et réserves sont reçues tous les jours et heures ouvrables de ……68……heures à ……..heures jusqu'au ….69./……/……..

La constatation publique contradictoire sur le terrain aura lieu le ……70…… à ……..heures à l'issue de laquelle aucune opposition ou réserve n'est recevable devant la commission foncière villageoise.

Le présent avis sera communiqué partout où besoin sera.

Fait à ……71……, le……72…../……/……

73 *(Nom, prénom(s) signature et cachet[3] du/de la président(e) ou du/de la secrétaire de la CFV)*

7.4.4 Form 7: PV de Constatation Contradictoire

Page 1

Région de : 1
Province de : 2
Commune de : 3
Village : 4

5

Burkina Faso
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Unité-Progrès-Justice

Procès-verbal de constatation de possession foncière rurale à titre individuel ou collectif[1] 74

N°[1] 9 - 10 du 11 /…/…/…

Village | Numéro village | Numéro

(Art. 12 et 13 du Décret N°2010-402 PRES/PM/MAHRH/MRA/MECV/MEF/MATD/ MJ du 29 juillet 2010 portant procédure de constatation de possession foncière rurale des particuliers) 75

L'an deux mil 76 et le 76 sur demande N° 9 + 10 de :

Nom et Prénoms : 15 + 16 Exerçant la profession de : 18 domicilié(e) à : 19 De la Commune de : 19 Nous, 77

Président (e) de la Commission Foncière Villageoise de 4,

conformément aux dispositions des articles 12 et 13 du Décret N°2010-402 PRES/PM/MAHRH/MRA/MECV/MEF/MATD/MJ du 29 juillet 2010 portant procédure de constatation de possessions foncières rurale des particuliers, avons fait sur place et publiquement les constatations et vérifications concernant un terrain rural d'une superficie de 65 ha, a, ca sis à 4 limité : 29

Au Nord

A l'Est

Au Sud

A l'Ouest

dont le croquis est joint en annexe,

avons vérifié la qualité du requérant vis-à-vis de la coutume foncière et le contenu exact des droits de M./Mme/famille[1] 15+16 or 43

Sommation a été faite autour de ce terrain de relever tous droits opposables à ceux dont nous avons requis d'en effectuer la constatation.

Aucune opposition ou réserve n'ayant été faite à nous, ni par les notables, les autorités traditionnelles et coutumières, ni par les possesseurs limitrophes depuis la publication de la demande en date du : 72

Tous ayant affirmé qu'il est de leur connaissance que le terrain est la possession de M. /Mme ou de la famille[1] : 15+16 or 43

Exerçant la profession de 18 et domicilié(e) à 19

Page 2

(Verso de la page précédente) 78

Avons dressé le présent procès- verbal constatant que le terrain ci-dessus est bien la possession foncière de : M. / Mme / Famille[1] : 15+16 or 43 .....

Traduction dudit procès-verbal a été donnée à toutes les personnes invitées dans la langue du milieu et nous l'avons signé avec le requérant, les possesseurs limitrophes, le représentant des autorités coutumières et traditionnelles et le représentant du service foncier rural ou du bureau domanial[2].

Avis a été cependant donné que toute contestation ultérieure des droits ne peut être faite que devant la juridiction civile compétente. 79

Annexe : croquis de délimitation du terrain 80

Fait à ..... 81 ....., le..... 76 /...../.....(les jour, mois et an ci-dessus)

Signature et cachet[3] 73

Président (e) de la commission foncière villageoise

SIGNATURE /EMPREINTE DIGITALE DES PERSONNES INVITEES[4]

53 54 + 55 56 58

1..... 2.....

3..... 4.....

5..... 6.....

.....

.....

.....

7.4.5 Form 5. Fomulaire_Attest_Poss_Fonc_ individuelle initiale_final_KDG_validé (Individual APFR)

Région de : 1 .....
Province de : 2 .....
Commune de : .....3.....

5 Logo de la commune

Burkina Faso
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Attestation de possession foncière rurale à titre individuel 82

N°[1] | | | 9 | | - | 10 | | du ....11.../...../.....

Village | Numéro village | Numéro

(Art. 20 du Décret N°2010-402 PRES/PM/MAHRH/MRA/MECV/MEF/MATD/ MJ du 29 juillet 2010 portant procédure de constatation de possession foncière rurale des particuliers) 83

1. Identification du titulaire 84

Nom : ....15.....
Prénom(s) : ....16.....
Date et lieu de naissance : ....17a 17b.....
Sexe : 85.....
Références de la pièce d'identité[2] 20.....
Profession : ....18.....19.....
Domicile[3] : .....

2. Description du terrain 26

Terrain sis à : ..... 27 + 48.....
Section .....62....., Ilot ....63....., Parcelle ....64....., Superficie :.....65.....ha, ...a, ...ca.
Limites : 29

- Nord .....
- Est .....
- Sud .....
- Ouest .....

3. Utilisation actuelle du terrain[4] : 66

☐ Agricole
☐ pastorale
☐ sylvicole
☐ aquacole
☐ faunique
☐ autre (s) .....

Nous soussigné (e) 86.....
Maire de la Commune de : ....3.....Vu la demande n° 9 + 10.....en date du .....11.....et le procès-verbal de constatation contradictoire de possession foncière rurale n°....87..... en date du.....76..... délivrons la présente attestation pour servir et valoir ce que de droit.

Fait à .....88.....le...../89./.....

90 *(Nom prénoms et cachet du maire)*

7.4.6 Form 8: Formulaire Attest_Poss_Fon_Rurale_collective_final_KDG_validé (Collective APFR)

Région de : 1 ……
Province de : 2 ……
Commune de : ……3……

5

Burkina Faso
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Unité-Progrès-Justice

Attestation de possession foncière rurale à titre collectif 99

N°[1] | | | 9 | | | | – | | 10 | | | du 11 ……/……/……
Village | Numéro village | Numéro

(Art. 22 et 23 du Décret N°2010-402 PRES/PM/MAHRH/MRA/MECV/MEF/MATD/ MJ du 29 juillet 2010 portant procédure de constatation de possession foncière rurale des particuliers)

1. **Identification de la famille** 100
   Nom : ……43……
   Adresse[2] : ……44……
2. **Identification du mandataire :** 101
   Nom : ……15……
   Prénom(s) ; ……16……
   Date et lieu de naissance : ……17a 17b……
   Sexe : ……85……
   Références de la pièce d'identité[3] : ……20……
   Date et lieu de délivrance : ……47a + 47B……
   Profession : ……18……
   Domicile : ……19……
3. **Références du mandat [4]:** 102……
4. **Description du terrain** 26 27 + 48
   Terrain sis à ……
   Superficie : ……65……ha, ……a, ……ca
   Limites : 29
   - Nord : ……
   - Est : ……
   - Sud : ……
   - Ouest : ……
5. **Utilisation actuelle du terrain[5]:** 66
   - ☐ Agricole
   - ☐ pastorale
   - ☐ sylvicole
   - ☐ Faunique
   - ☐ Aquacole
   - ☐ Autre (s)……

Nous soussigné (e) : 86……
Maire de la commune de ……3……
Vu la demande N° …9 + 10…. en date du ……11…… et le procès verbal de constatation contradictoire de possession foncière rurale n°…87… en date du ……76……
Délivrons la présente attestation établie au nom de la famille ……43…… à M. ou Mme ……15 + 16…… (1) dûment mandaté(e)pour servir et valoir ce que de droit.
Liste des membres de la famille paraphée et annexée

Fait à ……88……le……89……/……/……
90 *(Nom prénoms et cachet du maire)*

7.5 Attributes of key Land Forms

Nb	Description	French (in form)	English
Form 1			
1	Description of the region. In 1 region is several Provinces. See Excel document	Région de	Region
2	Description of the province. In 1 province is several Communes. See Excel document	Province de	Province
3	Description of the Commune. In 1 Commune is several Villages. See Excel document	Commune de	Commune
4	Description of the Village. In 1 Village is several Sub-villages. See Excel document	Village de	Village
5	Logo of the Commune		
6	Title of the form	Demande de constatation de possession foncière rurale à titre individuel ou collectif	
7	Applicants need to put a line as appropriate between an individual application or a collective application. Choices are : - Individual - Collective	- Demande à titre individuel - Demande à titre collectif	- Individual application - Collective application
8	Reference to the law	*(Art 39 de la loi N°034-2009/AN du 16 juin 2009 portant régime foncier rural)*	
9	Village number xx digits. See Excel document	Numéro de village	Village Number
10	Application number at the SFR level. To be discussed with SFR during the trip to Boudry unless Médard has en idea	Numéro de demande	Application number
11	Date of application : DD/MM/YYYY	Date de la demande	Date of application
12	Title of the first section of the form; left part	*Premier volet*	First section
13	Request if the application is written or Verbal. Applicants need to put a line as	Nature de la demande : - Ecrite	Nature of the application : - Written

Nb	Description	French (in form)	English
	appropriate between Written or Verbal. If it is verbal, a witness needs to assist the applicant and sign the documents.	- Verbale	- Verbal
14	Title of the subsection of section 1 of the form	Etat civil du requérant individuel ou du mandataire	Personnal information
15	The applicant (which can be the representative of the collective application) provides his/her last name	Nom	Surname
16	The applicant provides his/her last firs name or names if several	Prénom(s)	First name(s)
17a 17b	The applicant provides his/her birth date (17a) and commune of birth (17b) which is normally written on the birth certificate.	Date et lieu de naissance	Birth date and place of birth
18	The applicant provides his/her profession	Profession	Profession
19	The applicant provides his/her address as accurate as possible. Postal codes exist in Burkina and should be used in MAST but house numbers and street names are not always defined. It can also be hamlet names.	Domicile	Personal address
20	The applicant provides the reference number of his/her ID card.	Références de la pièce d'identité	Reference of identity card
21	The applicant provides his/her father first and last names	Père	Father
22	The applicant provides his/her mother first and last name	Mère	Mother
23	The applicant provides his/her marital status. Multiple choice where the applicant needs to put a line as appropriate between Single, Married, Divorced or Widowed	Situation matrimoniale : - Célibataire - Marié(e) - Divorcé(e) - Veuf (ve)	Marital status : - Single - Married - Divorced - Widowed
24	The applicant describes if he has a mandate in case of collective	Nature des pouvoirs du requérant : - Aucun	Nature of the powers of the applicant :

Nb	Description	French (in form)	English
	application or a power of attorney in case of a minor or an adult under tutorship.	- Mandat - Procuration	- None - Mandate - Power of Attorney
25	If there is a mandate or a power of attorney, the applicant must specify the date and location of the issuance of the document	Date et lieu de délivrance	Issuance date and location
26	Title annoucing this new subsection of Section 1	Description et désignation du terrain	Description and designation of the parcel
27 + 48	Describes the location of the parcel : commune (27), village (48), sub-village if any	Situation	Location
28	Describes the approximate area of the land parcel	Superficie	Area
29	The applicants should describe the name of the owners of the neighboring parcels or the natural features.	Limites *(indiquer les possesseurs voisins ou les limites naturelles)* : - Nord - Est - Sud - Ouest	Limits (indicate the neighboring land possessors or natural limits) : - North - East - South - West
30	Describes the commune of application	Fait à	Applied at
31	Describes the date of application: DD/MM/YYYY	Le	Date
32	The applicant should sign or apply his/her finger print below this line	Signature ou empreinte digitale du requérant	Signature of finger print of the applicant
33	The witness should sign or apply his/her finger print below this line. This only applies if the application is verbal.	Signature ou empreinte digitale du témoin	Signature of finger print of the witness
34	Title of the second section of the form; right part The CFV agent actually copies some of the information that have been written in section 1.	*Deuxième volet*	Second section
35	The CFV agent should actually add the application number here. This should be the same as in the APFR registry at the SFR level.	Récipissé de la demande N°	Receipt of the application number :

Nb	Description	French (in form)	English
13	The SFR agent puts a line as appropriate between Written or Verbal and according to what was mention in Section 1	(écrite ou verbale)	- (written or verbal)
36	Static field	Formulée par	Expressed by
15 + 16	Here, the CFV agent rewrites the first and last name of the applicant	M./Mme	Mr or Mrs
19	The CFV member copies the personal address of the applicant	Habitant à :	Living at :
37	Static field	Aux fins de faire constater ses droits de possession foncière rurale conformément à la loi N°034-2009/AN du 16 juin 2009 sur un terrain sis	For the purposes having the rural land possession rights recognized in accordance with law No. 034-2009 / AN of 16 June 2009 on a land located
27	The CFV member copies the commune and village	à	at
28	The CFV member copies the approximate area oof the land declared by the applicant	D'une superficie approximative de …. ha	Of an approximate area of …. hectares
29	The applicants copies the description and designation of the land	Limites *(indiquer les possesseurs voisins ou les limites naturelles)* : - Nord - Est - Sud - Ouest	Limits (indicate the neighboring land possessors or natural limits) : - North - East - South - West
38	Describes the commune of application	Fait à	Applied at
39	Describes the date of application: DD/MM/YYYY	Le	On
40	The CVF member, actually the secretary of the CFV if any, should sign or apply his/her finger print below this line	*(Signature du secrétaire de la commission foncière villageoise et cachet s'il en existe)*	(Signature of the secretary of the village land council if any)
41	Mention	*NB : deux volets dont un est détachable*	Two sections including one detachable section (section 2)
	Form 2 **This for mis use dis the APFR application is done collectively, thus for a family**		

Nb	Description	French (in form)	English
42	Title of the form	Mandat pour l'obtention de l'attestation de possession foncière rurale (APFR) à titre collectif	Mandate for obtaining the collective APFR
43	The … should be replaced by the family name. The family may most likely to be the same as the last name of the applicant (attribute 15), but may also be different.	Nous soussignés, membres de la famille……	We undersigned, members of the family….
44	The … should be replaced by the address where the family lives. The address may most likely to be the personal address of the applicant (attribute 19), but may also be different.	domiciliée à……	Living at…
45	The … should be replaced by the date when the mandate is drafted : DD/MM/YYYY	dont la liste est jointe en annexe, réunis ce jour ……	Including the appended document …
46	The … should be replaced by the commune where the family is located when drafting the mandate	à …	At …
15 + 16	The … should be replaced by the first and last name of the applicant	donnons mandat à M. / Mme……	Are giving mandate to Mr / Mrs …
17a	The … should be replaced by the birth date of the applicant	né (e) le …	Born on …
17b	The … should be replaced by the birth place of the applicant	à …	at …
20	The … should be replaced by the ID card number of the applicant	pièce d'identité N°…	ID number …
47	The … should be replaced by the applicant's ID card establishment date : DD/MM/YYYY	du…	From…
48	Describes the village where the parcel is located within the commune (next) and sub-village if any.	de représenter tous les membres, d'agir au nom et pour le compte de la famille susnommée pour accomplir les formalités et actes requis aux fins de la délivrance d'une attestation de possession foncière rurale (APFR) à titre collectif afférente à une terre	to represent all members, to act for and on behalf of the above named family to complete the formalities and acts required for the issuance of a certificate of rural land possession (APFR) collectively relating to the rural land located in

Nb	Description	French (in form)	English
		rurale sise dans le village de …	the village of ...
27	Describes the commune where the parcel is located. Should be attribute 27	de la Commune de …	At the commune of …
49	Describes the commune where the draft of the mandate was made	Fait à	Applied at
50	Describes the date when the mandate was made : DD/MM/YYYY	Le	Date
51	Mention	*NB. A faire légaliser par une autorité compétente*	
52	Mention	Ont signé ou apposé leurs empreintes digitales, les personnes dont les noms et prénoms suivent :	
53	Describes the family member's number in the list of applicants	N°	Number
54 + 55	Each family member should provide his/her last name (54) and first name(s) (55)	Nom et Prénom(s)	Last name and first name(s)
56	Describes the ID card number. It can be National ID card, Passport, Military card, or National driving license.	Références de la pièce d'identité	Reference of the ID Card
57	Describes the personal address of each family member	Adresse	Personnal Address
58	Each family member should sign or apply a finger print for the mandate to be valid.	Signature ou empreinte digitale	Signature or finger print
	Form 3 – Public Notice		
59	Mention	AVIS AU PUBLIC	PUBLIC NOTICE
60	Mention	***(Publicité de la demande de constatation de possession foncière rurale)***	Public notice of the application for APFR
61	Reference to the Law 034-2009	(Articles 8 à 11 du Décret N°2010-402 PRES/PM/ MAHRH/MRA/ MECV/MEF/ MATD/ MJ du 29 juillet 2010 portant	

Nb	Description	French (in form)	English
		procédure de constatation de possession foncière rurale des particuliers)	
48	Describes the village where the parcel is located within the commune	Sur une demande de constatation de possession foncière rurale d'une terre située dans le village de …	
15 + 16	The … should be replaced by the first and last name of the applicant. The choice between Mr or Mrs should also be chosen by putting a line throught the wrong choice.	le/la président(e) de la commission foncière villageoise dudit village informe la population que M./Mme[2] …	The president of the CFV of the said village inform the population that Mr/Mme …
19	The applicant's address should be added.	domicilié (e) à …	Living at …
17a	The … should be replaced by the birth date of the applicant	né (e) le …	Born on …
17b	The … should be replaced by the birth place of the applicant	à …	At …
43	If individual, the choice should be made for 1) and a line should be put through 2). If collective, the choice should be doen for 2), a line should be put through 1) and the … should be replaced by the family name (43).	Agissant : 1) pour son propre compte 2) pour le compte de la famille[1]…	Acting: 1) for himself/ herself 2) on behalf of the family ….
62	The … should be replaced by the Section provided by the DPI/Cadastral Department	a demandé la constatation contradictoire de la possession foncière rurale sur une terre Section …	has requested the contradictory registration of the rural land possession of a land Section …
63	The … should be replaced by the Lot provided by the DPI/Cadastral Department	Ilot …	Lot…
64	The … should be replaced by the Parcel number provided by the DPI/Cadastral Department	Parcelle …	Parcel…
65	The … should be replaced by the Area measured during the field operation: hectares, areas, centiares	Superficie :……ha ……a ……..ca.	Area: …… hectares ….. ares …… centiares

[1] Rayer la mention inutile

Nb	Description	French (in form)	English
66	This describes the current destination of the land	Le terrain objet de la demande est actuellement à usage[2] ☐ Agricole ☐ Pastorale ☐ Sylvicole ☐ Aquacole ☐ Faunique ☐ Autre (s) …	The destination of the land is currently: - Agricultural - Pastoral - Sylvicultural - Aquacultural - Fauna - Other, please mention
29	The applicants copies the description and designation of the land unless the survey has shown differently	Il est limité : o Au nord par : … o A l'est par : … o Au sud par : … o A l'ouest par : …	
27	Requests if anyone has something to say about this application. The … should be replaced by the commune of application.	Toute personne pouvant faire valoir des droits sur le terrain objet de la demande ou ayant connaissance de faits de nature à affecter ou à remettre en cause la constatation des droits du demandeur est invitée à se manifester auprès du service foncier de la commune de …	Anyone who wish to claim rights on the land applied for or with knowledge of facts likely to affect, or to question the finding of the applicant's rights is invited to come forward to the SFR of the commune of ...
68	Describes when complaints etc. should be expressed: the … should be replaced by the start hour and end hour of the opening hours	Les réclamations, oppositions et réserves sont reçues tous les jours et heures ouvrables de ……..heures à ……..heures	Any complaints, objections and reservations are received on all working days and open hours from ..... to …..
69	Describes the end date of the public notice	jusqu'au ……/…… /…….	Until DD/MM/YYYY
70	Describes the date and time of the contradictory survey.	La constatation publique contradictoire sur le terrain aura lieu le …….. à …….heures à l'issue de laquelle aucune opposition ou réserve n'est recevable devant la commission foncière villageoise. Le présent avis sera communiqué partout où	The contradictory public recognition in the field will be held on …(date DD/MM/YYYY) at … (time) after which no opposition or reservation is admissible before the village land commission. This notice will be provided wherever

[2] Cocher la case ou les cases correspondantes

Nb	Description	French (in form)	English
		besoin sera.	necessary .
71	Describes the commune (and village) of issuance of the public notice	Fait à	Applied at
72	Describes the date of Public notice issuance: DD/MM/YYYY	Le	Date
73	The CFV President or secretary should add his last name, first name, sign and add the stamp of the CFV	***(Nom, prénom(s) signature et cachet[3] du/de la président(e) ou du/de la secrétaire de la CFV)***	(Last name, First name(s), signature and stamp (if possible) of the president ou the secretary of the CVF
Form 7 - Official report ascertaining the rural land possession individually or collectively			
	Page 1		
74	Title of the form	Procès-verbal de constatation de possession foncière rurale à titre individuel ou collectif	
75	Reference to the law 034-2009	(Art. 12 et 13 du Décret N°2010-402 PRES/PM/ MAHRH/MRA/MECV/ MEF/MATD/ MJ du 29 juillet 2010 portant procédure de constatation de possession foncière rurale des particuliers)	
76	Describes the date fully written First … being the year Second … being the day and month	L'an deux mil… et le…	On (Month) (day) two thousand (year)
9 + 10	Describes the application number as on top of the form. Médard, can you confirm?	N°	Number
15 + 16	Describes the last name and first name(s) of the applicant	de : Nom et Prénoms :…	From Last name and First name(s)
18	Describes the profession of the applicant	Exerçant la profession de :…	Practicing the occupation of:…
19	Describes the personal address of the applicant including street address if any, village, and commune	domicilié(e) à :… De la Commune de : …	Living at:… from the commune of…

[3] Si possible

Nb	Description	French (in form)	English
77	Describes the name(s) of the president of the CFV	Nous, …	We, …
4	Describes the commune and village of the CFV	Président (e) de la Commission Foncière Villageoise de …	President of the CFV of …
65	Describes the area of the surveyed parcel	conformément aux dispositions des articles 12 et 13 du Décret N°2010-402 PRES/PM/MAHRH/ MRA/MECV/MEF/ MATD/MJ du 29 juillet 2010 portant procédure de constatation de possessions foncières rurale des particuliers, avons fait sur place et publiquement les constatations et vérifications concernant un terrain rural d'une superficie de……ha, ……a, ……ca	in accordance with Articles 12 and 13 of Decree No. 2010-402 PRES / PM / MAHRH / MRA / MECV / MEF / MATD / MJ of 29 July 2010 on the procedure for recognition of rural land possession of individuals, have made on-site and publicly the findings and verifications of rural land with an area of ..... hectares ..... ares .... centiares
4	Describes the commune and village where the parcel is located which should be the same as the CFV but different from applicant	sis à…	Located at …
29		limité : Nord Est Sud Ouest	Which limits are: North East South West
15 + 16 or 43	Describes the fact that the SFR has made the necessary research in the field to approve the right of the applicant(s). There is a choice to make regarding the type of applicant by putting a line through the wrong answers between Mr. Mrs. Or family. The … should be replaced by the last and first names of the applicant of the name of the family.	dont le croquis est joint en annexe, avons vérifié la qualité du requérant vis-à-vis de la coutume foncière et le contenu exact des droits de M./Mme/famille…	Of which the boundary map in attached in annex, Have verified the quality of the applicant regarding the customary land and the exact content od the rights of Mr/Mrs/Familly …
72	Describes the fact that no objection was made since Public notice issuance:	Sommation a été faite autour de ce terrain de relever tous droits opposables à ceux dont nous avons requis d'en effectuer la	Demand was served around the land to survey all rights against those we are required to make a

Nb	Description	French (in form)	English
	DD/MM/YYYY	constatation. Aucune opposition ou réserve n'ayant été faite à nous, ni par les notables, les autorités traditionnelles et coutumières, ni par les possesseurs limitrophes depuis la publication de la demande en date du :…	finding. No objection or reservation having been made to us, either by community leaders, traditional and customary authorities, or by neighboring owners since the publication of the application dated ...
15 + 16 or 43	Describes the fact that all parties recognize the rights of the applicant(s). There is a choice to make regarding the type of applicant by putting a line through the wrong answers between Mr. Mrs. Or family. The … should be replaced by the last and first names of the applicant of the name of the family.	Tous ayant affirmé qu'il est de leur connaissance que le terrain est la possession de M. /Mme ou de la famille : …	All expressing their knowledge about the land belonging to Mr/Mrs/Family: …
18	Describes the profession of the applicant	Exerçant la profession de :…	Practicing the occupation of:…
19	Describes the personal address of the applicant including street address if any, village, and commune	à :…	at:…
	Page 2		
78	Mention explaining it was the following of the previous page	(Verso de la page précédente)	Verso of the previous page
15 + 16 or 43	Describes the fact that the CFV can establish the rights of the applicants. There is a choice to make regarding the type of applicant by putting a line through the wrong answers between Mr. Mrs. Or family. The … should be replaced by the last and first names of the applicant of the name of the family.	Avons dressé le présent procès- verbal constatant que le terrain ci-dessus est bien la possession foncière de : M. / Mme / Famille :…	Have compiled this minutes stating that the land above mentioned is land possession of: Mr/Mrs/Family
79	mention	Traduction dudit procès-verbal a été donnée à toutes les personnes invitées dans la langue du milieu et nous l'avons signé avec le requérant, les possesseurs limitrophes, le représentant des autorités coutumières et traditionnelles et le représentant du service foncier rural ou du bureau domanial.	Translation of the report was given to all those invited in the local language and we have signed with the applicant, neighboring owners , the representative of customary and traditional authorities and the representative of rural land service

Nb	Description	French (in form)	English
		Avis a été cependant donné que toute contestation ultérieure des droits ne peut être faite que devant la juridiction civile compétente.	or federal office . Opinion was given however that any subsequent dispute of rights can only be made before the competent civil court.
80	Specifies that the boundary mapping is in annex	Annexe : croquis de délimitation du terrain	Boundary map in annex
81	Describes the commune (and village) of issuance of the recognition of the rights	Fait à	Applied at
76	Describes the date of the recognition of the rights: DD/MM/YYYY	Le	Date
73	The CFV President should sign and add the stamp of the CFV	Signature et cachet du/de la président(e) de la CFV)	Signature and stamp (if possible) of the president of the CVF
53 + 54 + 55 + 56+ 58	Each family member should add his/her first and last names, ID card number, and sign or apply a finger print for the mandate to be valid. Each member should use the same number as registered on the mandate in Form 2.	SIGNATURE / EMPREINTE DIGITALE DES PERSONNES INVITEES	Signature/Finger print of
	Form 5 – APFR for individual		
1	Description of the region. In 1 region is several Provinces. See Excel document	Région de	Region
2	Description of the province. In 1 province is several Communes. See Excel document	Province de	Province
3	Description of the Commune. In 1 Commune is several Villages. See Excel document	Commune de	Commune
5	Logo of the Commune		
82	Title	Attestation de possession foncière rurale à titre individuel	APFR for individual

Nb	Description	French (in form)	English
9	Village number xx digits. See Excel document	Numéro de village	Village Number
10	Application number at the SFR level. To be discussed with SFR during the trip to Boudry unless Médard has en idea	Numéro de demande	Application number
11	Date of application : DD/MM/YYYY	Date de la demande	Date of application
83	Reference to the law	(Art. 20 du Décret N°2010-402 PRES/PM/MAHRH/ MRA/MECV/MEF/ MATD/ MJ du 29 juillet 2010 portant procédure de constatation de possession foncière rurale des particuliers)	
84	Title of the section 1 of the APFR document	Identification du titulaire	Identification of the possessor
15	The possessor's last name. (There is no mention of a power of attorney here)	Nom	Surname
16	The possessor's first names	Prénom(s)	First name(s)
17a 17b	The possessor's birth date (17a) and commune of birth (17b).	Date et lieu de naissance	Birth date and place of birth
85	Instead of Mr or Mrs, it is necessary to specify the gender	Sexe : Femme Homme	Gender: Female Male
20	The possessor's ID card number.	Références de la pièce d'identité	Reference of identity card
18	The possessor's profession	Profession	Profession
19	The possessor's personal address	Domicile	Personal address
26	Title of section 2 of the document about the description of the lad	Description du terrain	Description of the parcel
27 + 48	Describes the location of the parcel : commune (27), village (48), sub-village if recorded	Terrain sis à : …	Location
62	The … should be replaced by the Section provided by the DPI/Cadastral Department	a demandé la constatation contradictoire de la possession foncière rurale sur une terre Section …	has requested the contradictory registration of the rural land possession of a land Section …
63	The … should be replaced by the Lot	Ilot …	Lot…

Nb	Description	French (in form)	English
	provided by the DPI/Cadastral Department		
64	The … should be replaced by the Parcel number provided by the DPI/Cadastral Department	Parcelle …	Parcel…
65	The … should be replaced by the Area measured during the field operation: hectares, areas, centiares	Superficie :……ha ……a ……..ca.	Area: …… hectares ….. ares …… centiares
29	The possessor should describe the name of the owners of the neighboring parcels or the natural features.	Limites: Nord Est Sud Ouest	Limits: North East South West
66	This describes the current destination of the land	Utilisation actuelle du terrain Agricole Pastorale Sylvicole Aquacole Faunique Autre (s) …	Current use of the land: Agricultural Pastoral Sylvicultural Aquacultural Fauna Other, please mention
86	The … should be replaced by the name of the mayor	Nous soussigné (e) : …	We undersigned: …
3	The … should be replaced by the name of the commune of the SFR	Maire de la Commune de :…	Mayor of the commune of
9 + 10	Village number xx digits. See Excel document Application number at the SFR level. To be discussed with SFR during the trip to Boudry unless Médard has en idea	Vu la demande n° …	Looking at application number: …
11	Date of application : DD/MM/YYYY	en date du …	From
87	The … should be replaced by the PV number but we need to confirm with	et le procès-verbal de constatation contradictoire de possession foncière rurale	And the official report of contradictory assessment of rural

Nb	Description	French (in form)	English
	Médard which number it is	n°…	land possession Number…
76	Describes the date of the recognition of the rights: DD/MM/YYYY	En date du :…	From…
	End of text	délivrons la présente attestation pour servir et valoir ce que de droit.	deliver this certificate to serve and to assert that right.
88	Describes the commune of issuance of the APFR	Fait à	done at
89	Describes the date of APFR issuance: DD/MM/YYYY	Le	Date
90	The Mayor should add his last name, first name, sign and add the stamp of the Commune	(Nom, prénom(s) et cachet du maire)	(Last name, First name(s), signature and stamp of the mayor
	~~Form 6 – APFR for individual following a mutation~~		
~~1~~	~~Description of the region. In 1 region is several Provinces. See Excel document~~	~~Région de~~	~~Region~~
~~2~~	~~Description of the province. In 1 province is several Communes. See Excel document~~	~~Province de~~	~~Province~~
~~3~~	~~Description of the Commune. In 1 Commune is several Villages. See Excel document~~	~~Commune de~~	~~Commune~~
~~5~~	~~Logo of the Commune~~		
~~91~~	~~Title~~	~~Attestation de possession foncière rurale à titre individuel~~ ~~(Suite à une mutation)~~	~~APFR for individual~~ ~~(following a mutation)~~
~~9~~	~~Village number xx digits. See Excel document~~	~~Numéro de village~~	~~Village Number~~
~~10~~	~~Application number at the SFR level. To be discussed with SFR during the trip to Boudry unless Médard has en idea~~	~~Numéro de demande~~	~~Application number~~

Nb	Description	French (in form)	English
11	Date of application : DD/MM/YYYY	Date de la demande	Date of application
92	Reference to the law	(Art. 20 du Décret N°2010-402 PRES/PM/MAHRH/ MRA/MECV/MEF/ MATD/ MJ du 29 juillet 2010 portant procédure de constatation de possession foncière rurale des particuliers)	
84	Title of the section 1 of the APFR document	Identification du titulaire	Identification of the possessor
15	The possessor's last name. (There is no mention of a power of attorney here)	Nom	Surname
16	The possessor's first names	Prénom(s)	First name(s)
17a 17b	The possessor's birth date (17a) and commune of birth (17b).	Date et lieu de naissance	Birth date and place of birth
85	Instead of Mr or Mrs, it is necessary to specify the gender	Sexe : Femme Homme	Gender: Female Male
18	The possessor's profession	Profession	Profession
19	The possessor's personal address	Domicile	Personal address
20	The possessor's ID card number.	Références de la pièce d'identité	Reference of identity card
47	The … should be replaced by the possessor's ID card establishment date (47a) : DD/MM/YYYY and place (47b)	Date et lieu de délivrance : …	Date and place of issuance…
26	Title of section 2 of the document about the description of the lad	Description du terrain	Description of the parcel
27 + 48	Describes the location of the parcel : commune (27), village (48), sub-village if recorded	Terrain sis à : …	Location
62	The … should be replaced by the Section provided by the DPI/Cadastral Department	a demandé la constatation contradictoire de la possession foncière rurale sur une terre Section …	has requested the contradictory registration of the rural land possession of a land Section …
63	The … should be replaced by the Lot provided by the DPI/Cadastral Department	Ilot …	Lot…

Nb	Description	French (in form)	English
64	The … should be replaced by the Parcel number provided by the DPI/Cadastral Department	Parcelle …	Parcel…
65	The … should be replaced by the Area measured during the field operation: hectares, areas, centiares	Superficie :……ha ……a ……ca.	Area: …… hectares ….. ares …… centiares
29	The possessor should describe the name of the owners of the neighboring parcels or the natural features.	Limites: Nord Est Sud Ouest	Limits: North East South West
66	This describes the current destination of the land	Utilisation actuelle du terrain Agricole Pastorale Sylvicole Aquacole Faunique Autre (s) …	Current use of the land: Agricultural Pastoral Sylvicultural Aquacultural Fauna Other, please mention
86	The … should be replaced by the name of the mayor	Nous soussigné (e) : …	We undersigned: …
3	The … should be replaced by the name of the commune of the SFR	Maire de la Commune de :…	Mayor of the commune of
93	The … should be replaced by the number of the former APFR.	Vu l'attestation de possession foncière rurale n° …	Seen the certificate of rural land possession No …
89	Describes the date of the former APFR signature by the mayor: DD/MM/YYYY	En date du :…	From…
94	Describes the mutation type. So far it could a sale, donation, inheritance through filiation, etc.	et l'acte4 de …	And the act from: …

[4] Préciser si vente, donation, succession, autres

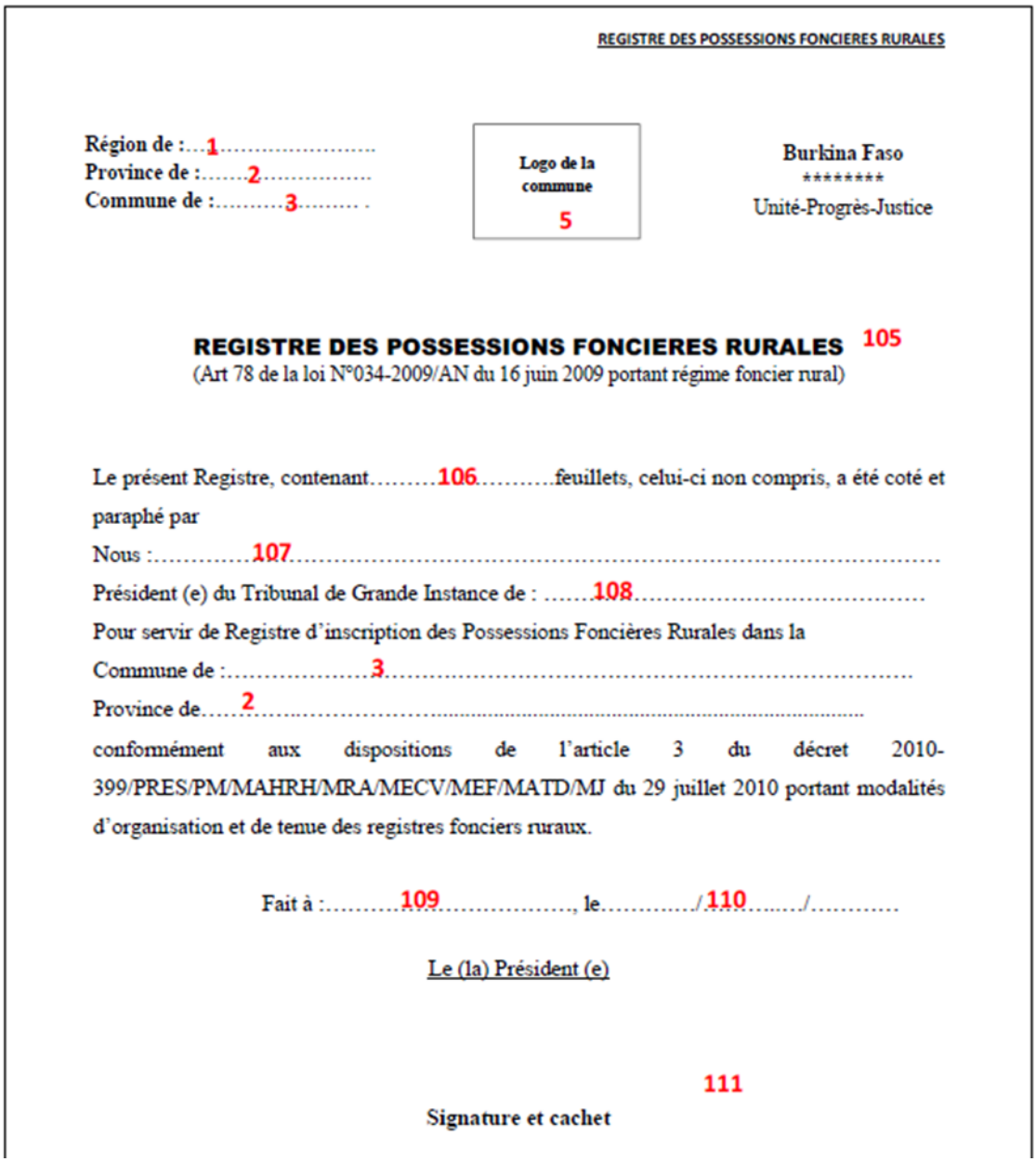
Nb	Description	French (in form)	English
~~95~~	~~Describes the registration number of the act if any~~	~~N° : …~~	~~Number: …~~
~~96~~	~~The … should be replaced by the dat of establishment of the act: DD/MM/YYYY~~	~~En date du …~~	~~From …~~
	~~End of text~~	~~délivrons la présente attestation pour servir et valoir ce que de droit.~~	~~deliver this certificate to serve and to assert that right~~
~~97~~	~~Describes the commune of issuance of the APFR~~	~~Fait à~~	~~done at~~
~~98~~	~~Describes the date of APFR issuance: DD/MM/YYYY~~	~~Le~~	~~Date~~
~~90~~	~~The Mayor should add his last name, first name, sign and add the stamp of the Commune~~	~~(Nom, prénom(s) et cachet du maire)~~	~~(Last name, First name(s), signature and stamp of the mayor~~
Form 8 – APFR for collective			
1	Description of the region. In 1 region is several Provinces. See Excel document	Région de	Region
2	Description of the province. In 1 province is several Communes. See Excel document	Province de	Province
3	Description of the Commune. In 1 Commune is several Villages. See Excel document	Commune de	Commune
5	Logo of the Commune		
99	Title	Attestation de possession foncière rurale à titre collectif	APFR for collective
9	Village number xx digits. See Excel document	Numéro de village	Village Number
10	Application number at the SFR level. To be discussed with SFR during the trip to Boudry unless Médard has en idea	Numéro de demande	Application number
11	Date of application : DD/MM/YYYY	Date de la demande	Date of application

Nb	Description	French (in form)	English
	Reference to the law	(Art. 20 du Décret N°2010-402 PRES/PM/MAHRH/ MRA/MECV/MEF/ MATD/ MJ du 29 juillet 2010 portant procédure de constatation de possession foncière rurale des particuliers)	
100	Title of the section 1 of the APFR document	Identification de la famille	Identification of the family
43	Describes the name of the family	Nom	Name
44	Describes the address of the family	Adresse	Address
101	Describes the title of the section for the person having the mandate	Identification du mandataire	Identification of the representative
15	The possessor's last name. (There is no mention of a power of attorney here)	Nom	Surname
16	The possessor's first names	Prénom(s)	First name(s)
17a 17b	The possessor's birth date (17a) and commune of birth (17b).	Date et lieu de naissance	Birth date and place of birth
85	Instead of Mr or Mrs, it is necessary to specify the gender	Sexe : Femme Homme	Gender: Female Male
20	The possessor's ID card number.	Références de la pièce d'identité	Reference of identity card
47	The … should be replaced by the possessor's ID card establishment date (47a) : DD/MM/YYYY and place (47b)	Date et lieu de délivrance : …	Date and place of issuance…
18	The possessor's profession	Profession	Profession
19	The possessor's personal address	Domicile	Personal address
102	Describes the reference of the mandate. Need to ask which one	Références du mandat	Reference of the mandate
26	Title of section 2 of the document about the description of the lad	Description du terrain	Description of the parcel
27 + 48	Describes the location of the parcel : commune (27), village (48), sub-village if recorded	Terrain sis à : …	Location

Nb	Description	French (in form)	English
65	The … should be replaced by the Area measured during the field operation: hectares, areas, centiares	Superficie :……ha ……a ……..ca.	Area: …… hectares ….. ares …… centiares
29	The possessor should describe the name of the owners of the neighboring parcels or the natural features.	Limites: Nord Est Sud Ouest	Limits: North East South West
66	This describes the current destination of the land	Utilisation actuelle du terrain Agricole Pastorale Sylvicole Aquacole Faunique Autre (s) …	Current use of the land: Agricultural Pastoral Sylvicultural Aquacultural Fauna Other, please mention
86	The … should be replaced by the name of the mayor	Nous soussigné (e) : …	We undersigned: …
3	The … should be replaced by the name of the commune of the SFR	Maire de la Commune de :…	Mayor of the commune of
9 + 10	Village number xx digits. See Excel document Application number at the SFR level. To be discussed with SFR during the trip to Boudry unless Médard has en idea	Vu la demande n° …	Looking at application number: …
11	Date of application : DD/MM/YYYY	en date du …	From
87	The … should be replaced by the PV number but we need to confirm with Médard which number it is	et le procès-verbal de constatation contradictoire de possession foncière rurale n°…	And the official report of contradictory assessment of rural land possession Number…
76	Describes the date of the recognition of the rights: DD/MM/YYYY	En date du :…	From…
43	Describes the name of the family	Délivrons la présente attestation établie au nom de la famille …	Deliver this certificate in the name of the family ...

Nb	Description	French (in form)	English
15 + 16	The possessor's last name.	à M. ou Mme …	To Mr or Mrs …
	End of text	délivrons la présente attestation pour servir et valoir ce que de droit.	deliver this certificate to serve and to assert that right.
	Describes the fact that it is necessary to add the list of members in annex of the APFR	Liste des membres de la famille paraphée et annexée	List of members of the family initialed and annexed
88	Describes the commune of issuance of the APFR	Fait à	done at
89	Describes the date of APFR issuance: DD/MM/YYYY	Le	Date
90	The Mayor should add his last name, first name, sign and add the stamp of the Commune	(Nom, prénom(s) et cachet du maire)	(Last name, First name(s), signature and stamp of the mayor

7.6 Registry Forms



REGISTRE DES POSSESSIONS FONCIERES RURALES

Région de :...1.....
Province de :.....2.....
Commune de :.....3..... .

Logo de la commune
5

Burkina Faso
****
Unité-Progrès-Justice

REGISTRE DES POSSESSIONS FONCIERES RURALES 105
(Art 78 de la loi N°034-2009/AN du 16 juin 2009 portant régime foncier rural)

Le présent Registre, contenant.....106.....feuillets, celui-ci non compris, a été coté et paraphé par

Nous :.....107.....

Président (e) du Tribunal de Grande Instance de : .....108.....

Pour servir de Registre d'inscription des Possessions Foncières Rurales dans la

Commune de :.....3.....

Province de.....2.....

conformément aux dispositions de l'article 3 du décret 2010-399/PRES/PM/MAHRH/MRA/MECV/MEF/MATD/MJ du 29 juillet 2010 portant modalités d'organisation et de tenue des registres fonciers ruraux.

Fait à :.....109....., le...../110...../.....

Le (la) Président (e)

111

Signature et cachet

REGISTRE DES POSSESSIONS FONCIERES RURALES

1- SIGNALISATION, DESCRIPTION ET MODE DE DETENTION DU TERRAIN

Numéro d'inscription : 112	
N° et date de l'APFR	..... 9 ..... 10 .....
Localisation et description du terrain Commune Village Situation :	 3 ..... 4 ..... 27 ..... 48 .....
Mode de détention du terrain :	..... 112 .....
Cause de modification de la superficie du terrain[1] :	Morcellement / Fusion 113
Destination et mode de la mise en valeur du terrain :	..... 114 .....
Mention marginale : date et cause de la mutation partielle ou totale du droit réel immobilier[1]	Cession partielle / Cession totale 115

1. IDENTITE ET ADRESSE COMPLETE DU POSSESSEUR

Nom et prénom(s) du possesseur :	..... 15 ..... 16 .....
Sexe :	85 .....
Références de la pièce d'identité[2] :	..... 20 .....
Profession :	18 .....
Adresse complète :	..... 19 .....

2. OCTROI DE DROITS D'USAGES FONCIERS RURAUX A DES TIERS

Prêt de terre rurale	**Location de terre rurale**	**Autorisation de mise en valeur temporaire**
Date et références de l'acte ou de la déclaration de prêt :	Date et nature de l'acte de location :	Date et références de l'arrêté d'autorisation de mise en valeur :
..... 116 .... 117	..... 118 .... 119	120 .... 121 .....
Durée et contrepartie du prêt :	Durée et conditions de la location	Durée et conditions de mise en valeur
..... 122 .... 123	..... 124 .... 125	..... 126 .... 127 .....
Nom et prénom(s) de l'emprunteur :	Nom et prénom(s) du locataire :	Nom et prénoms(s) du bénéficiaire :
..... 128 ..... 129	..... 130 ..... 131	..... 131 ..... 132 .....
Date d'expiration du prêt :	Montant du loyer et date d'expiration de la location	Date d'expiration de l'autorisation de mise en valeur :
..... 133	..... 134 ..... 135	..... 136 .....

7.6.1 Attributes of Registry

TBD

Nb	Description	French (in form)	English
Form 8 – Registry			
105	Title	Registre des possessions foncières rurales	Registry of APFR
106	Number of sheets of the registry	Valeur xxx	Value xxx
107	Identity of the tribual President	Names of tribunal President	Nom et prenom du president du tribunal de grande instance
108	Tribunal localisation	Tribunal de Grande Instance de : …	Tribunal of …
109	The date of the registry issuance	Fait à …	Done at
110	Date of signature	Le	Date
111	Signatrue of Tribunal president	Le president	The president
112	Number of Registry inscription page	Numéro d'inscritpon	Number of inscription
112bis	How people get the land	Mode de detention du terrain	Detention mode
113	Rasion of area changing	Cause de modification de la superficie du terrain	Cause of area changing
114	Destination of land	Destination et mode de mise en valeur du terrain	Destination and usage of the land
115	Date and raison of the land mutation	Date et cause de la mutation	Date and raison of land mutation
116	Date of rural land loan	Date de la déclaration de prêt	Date of loan
117	References of rural land loan	Références de la déclaration de prêt	References of rural land loan
118	Date of lease	Date de l'acte de location	Date of lease
119	type of lease	Nature de l'acte de location	type of lease
120	Date of Communal authorization of temporary land enhancement	Date de de l'arrêté de mise en valeur temporaire	Date of Communal authorization of temporary land enhancement
121	References of Communal authorization of temporary land enhancement	Références de l'arrêté de mise en valeur temporaire	References of Communal authorization of temporary land enhancement
122	Duration of the loan	Durée du prêt	Duration of the loan
123	Counterpart of the loan	Contrepartie du prêt	Counterpart of the loan

Nb	Description	French (in form)	English
124	Duration of the lease	Durée de la location	Duration of the lease
125	Conditions of the lease	Conditions de la location	Conditions of the lease
126	Duration of the Communal authorization of temporary land enhancement	Durée de la mise en valeur	Duration of the Communal authorization of temporary land enhancement
127	Conditions Communal authorization of temporary land enhancement	Conditions de la mise en valeur	Conditions Communal authorization of temporary land enhancement
128	Last name of the borrower	Nom de l'emprunteur	Last name of the borrower
129	First name of borrower	Prénom de l'emprunteur	First name of borrower
130	Last name of the lessee	Nom du locataire	Last name of the lessee
131	First name of the lessee	Prénom du locataire	First name of the lessee
131bis	Last name of the beneficiary	Nom du locataire	Last name of the beneficiary
132	First name of the beneficiary	Prénom du locataire	First name of the beneficiary
133	Expiration date of the loan	Date d'expiration du prêt	Expiration date of the loan
134	Rent of the lease	Montant du loyer	Rent of the lease
135	Expiration date of the lease	Date d'expiration de la location	Expiration date of the lease
136	Expiration date the Communal authorization of temporary land enhancement	Date d'expiration de l'arrêté de mise en valeur temporaire	Expiration date the Communal authorization of temporary land enhancement