Use Case Specification UC07 Adding Parcel

Version
1.2

Author(s)
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Use Case Specification UC07 Adding Parcel

Error! Use the Home tab to apply Title to the text that you want to appear here.

Contractor
National Land Centre

Status
FINAL

Distribution

History (version)

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<th>Date</th>
<th>Author</th>
<th>Remark</th>
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<td>Piet van der Krieke</td>
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<td>21-05-2013</td>
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<td>Changes from integration between LAIS adm and LAIS GIS</td>
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<td>1.2</td>
<td>27-11-2013</td>
<td>Piet van der Krieke</td>
<td>Some small additions</td>
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History (review)

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National Land Centre of Rwanda
Land Registration Reform Project
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1 Introduction

1.1 Short description
This document describes the global specifications of use case UC07, Adding Parcel.
The purpose of this use case is to make it possible for the user to add a new parcel in case of new Parcels will
be requested in an area that was not demarkated before.
The actor in this use-case is the employee of NLC, in the role of Processor (in GIS)

1.2 Precondition of Use Case
In a processes of treatment of the backlog of the systematic Adjudication or the sporadic Adjudication or just
during maintenance if a Parcel has to be created coming from a Public Area. A parcel can only come from the
public area or in an area where no demarkation of parcels has been done.

1.3 Post condition of Use Case
The Parcel is created, without Rights and stored in the actual layer in LAIS (GIS)

1.4 Additional Requirements
Authorisation; the user is the employee of NLC, with the role of Processor. (GIS)
- The parcel number will be provided by the system
  - The UPI is given in the Cell in which the parcel is located. The Cell boundaries from GIS are
    used.
  - Due to the fact that the boundaries of the Cells are some different from the real situation of
    the Cell boundaries, according to the existing parcels, the chosen Cell might not be the
    right one. In this case, first the boundary of the Cell has to be changed in GIS.
  - If a Parcel is located in more than one Cell or Village, the Cell/village boundary should be
    changed or if that is correct, more than one parcel should be created.
- The Parcel should not affect any other parcel and should be in an area that is not already
demarkated
- If another parcel will be affected, first a boundary change should be done on that parcel.
- The Village name is filled according to the village boundaries in the GIS system

1.5 Additional Information
This use case only works in the GIS environment. No administrative document will come from LAIS admin.
Also no connection between GIS and Admin will be made. After the executing of this use case, an
Administrative document can come from an application in LAIS(admin) (this is another use case !!). If the
parcel isn’t found in LAIS(admin), the system will look into the GIS environment and after Book and Accept,
the Processing can be done to give the rights to the Parcel.
2 Sequence of Events

This is the main flow of this use case.

1. The User will choose for adding Parcel in GIS. (this can be done without booking an Administrative document in advance)
2. The user will search for the place where the Parcel is located.
3. The user will add the parcel into the map (more than one parcel can be treated in one time)
4. The system will check:
   a. If the Parcel has overlay with other parcels
   b. If the Parcel has overlay with Cell boundaries
   c. If the Parcel has overlay with Village boundaries
5. If there is an overlay the parcel cannot be created and the user has to change first the other parcels, or village or cell boundaries (or create more than one parcel)
6. The user can look at the parcel information if the right cell code (and village) is used for the UPI. If not the user has to change the cell and village boundary before the Parcel will be created.
7. If all is OK, the Parcel will be saved and the system will give a confirmation that the Parcel is saved in the actual layer.
8. The process is ended.

Remarks

Changes made to the different entities.

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<tr>
<th>Object</th>
<th>System</th>
<th>user</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>New created parcel in GIS</td>
<td>System</td>
<td>user</td>
<td>Actual layer</td>
</tr>
<tr>
<td>Object-identification (prim. key)</td>
<td>Given by system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unique Parcel ID (sec key)</td>
<td>Yes</td>
<td></td>
<td>Based on Cell in which the Parcel is located</td>
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<tr>
<td>Parcel</td>
<td>Counted</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parcel-kind of real Right</td>
<td>Not</td>
<td>Not</td>
<td></td>
</tr>
<tr>
<td>Parcel Land use</td>
<td>Not</td>
<td>Not</td>
<td></td>
</tr>
<tr>
<td>Parcel Village</td>
<td>By system</td>
<td></td>
<td>Based on Village in which the Parcel is located</td>
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<tr>
<td>Parcel Polygon</td>
<td></td>
<td></td>
<td>Mandatory</td>
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<tr>
<td>Other GIS information</td>
<td>System</td>
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