1.1 ISTIHKAM SERVICE V1
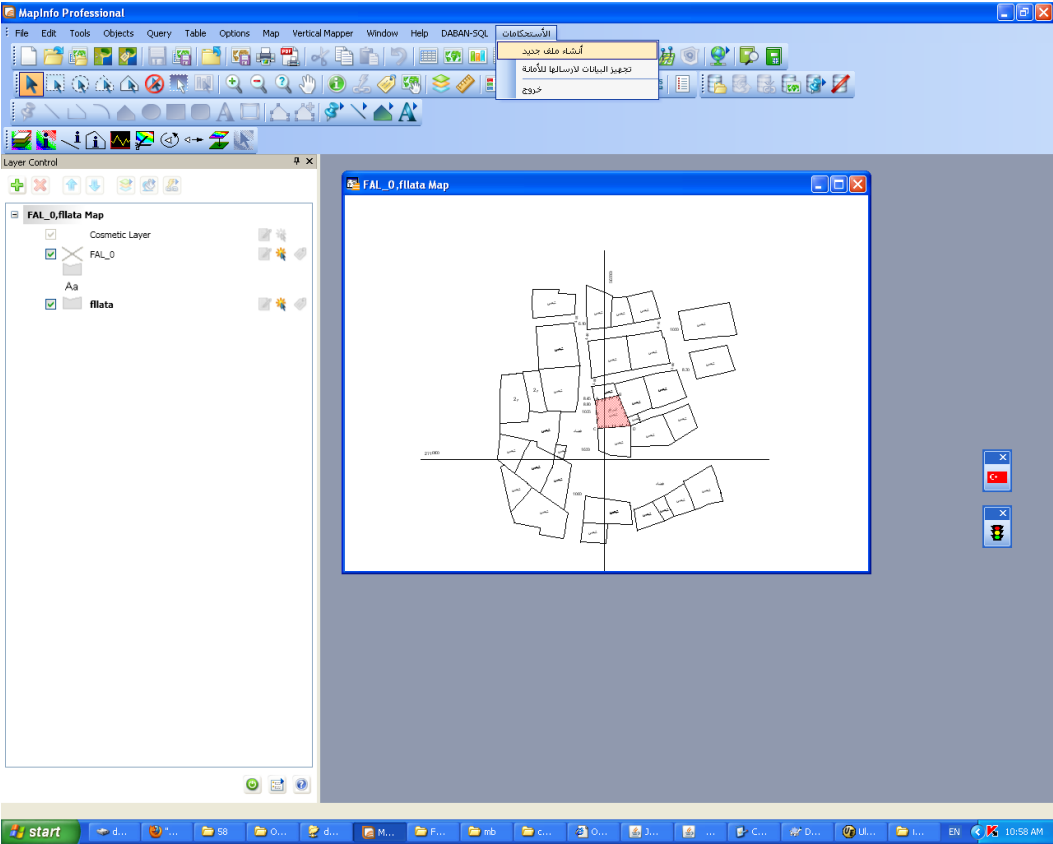
ITEM	DESCRIPTION
Name	ISTIHKAM Service for Amana
Description	This system is providing to the licensing and Deed for Client. If someone is sitting long time in land or building, they request to the mahkeme (Court) for Deed.
System Flow	• This system is providing to the licensing and Deed for Client. If someone is sitting long year one land or building, they request to the mahkeme (Court) for Deed. • User before going to court first going to Engineering Office and make a request. • Engineering office define the location require parcel, building also send a request for Surveying and Land Department and collecting all information. • When all process is done from Engineering Office provide document for this client. • Client make a request the court, using by document. Court sent a request from Amana regarding to the check this building. (Location is correct or no, if there is a wadi near the parcel Amana cut to the parcel etc.). • First Oracle Form Survey data and document information enter the system. Then request going to Engineering Department. • Second Oracle form Engineering department prepare the plan document and MapInfo file than upload to the System. • Oracle side GIS format convert to the oracle format. (text file inside coordinate information convert to the oracle spatial query format) • Then request going to Land department display on the map for require parcel or building plan document. • Land Department review and send a request for Planning department make a organize this parcel. Then request come to land department. • Land department prepare the letter and send document to the court.
Input Parameters	Letter no Letter date Plan No Order Number mi_prinx
Layers Involved	Parcel Satellite Base Map
Map Default Load	Display on the map parcel and plan.
Map Query Load	Satellite image Parcel and Building layer Zoom to Harem Extent
Required Map Functions	When user open form and entering to the order number then related parcel information zoom to on the map.
Excepted Use Cases	• Engineering office login to the GeoPortal. • Engineering office check and Display related layer and require parcel on the map. • Draw the parcel or building on the map. • Vector layer save to the GIS database. • Enter the parcel no or order no than display on the map.

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	• Make a identify show the attributes related parcel or building.
Add Entry in GIS System	1- Istehkam
Update Entry in GIS System	
Delete Entry in GIS System	
Existing System Screenshots and Code	## ISTIHKAM OFFICE APPLICATION 1-Open your table which is converted from autocad to mapinfo and Select istihkam object (must be closed object) .Enter information with this menu

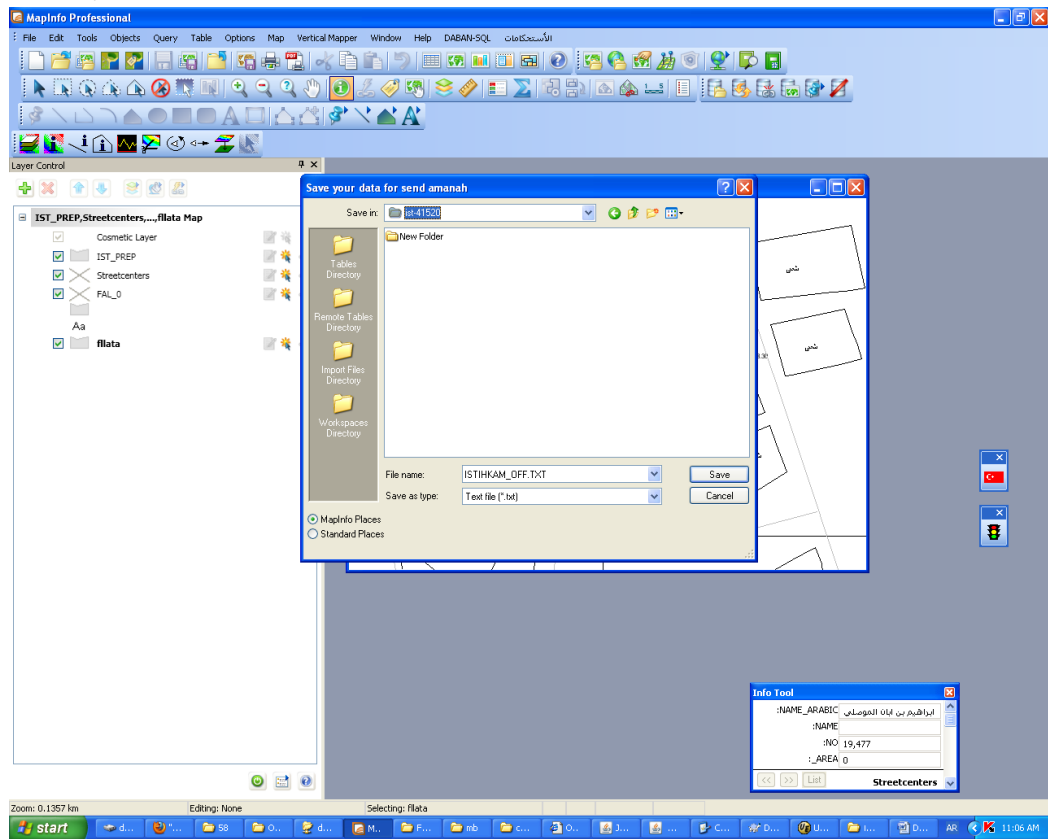2.Save your file for uploading to Amanah system.
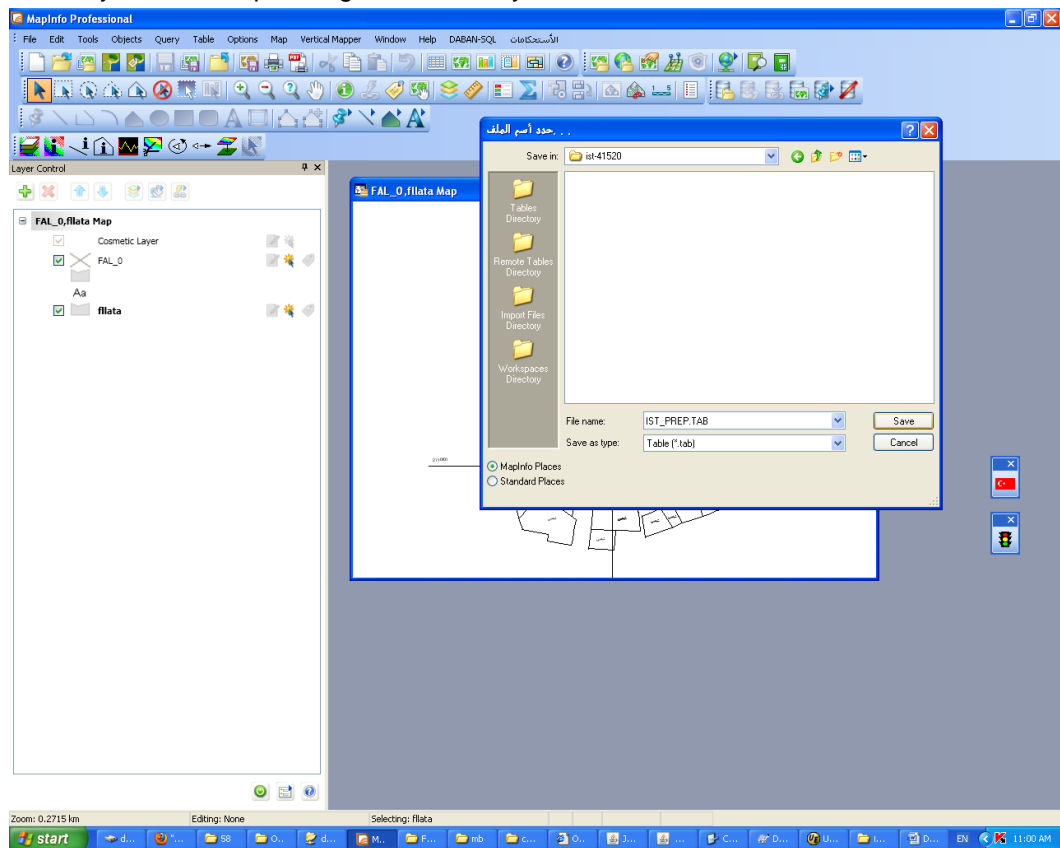
3-Enter information
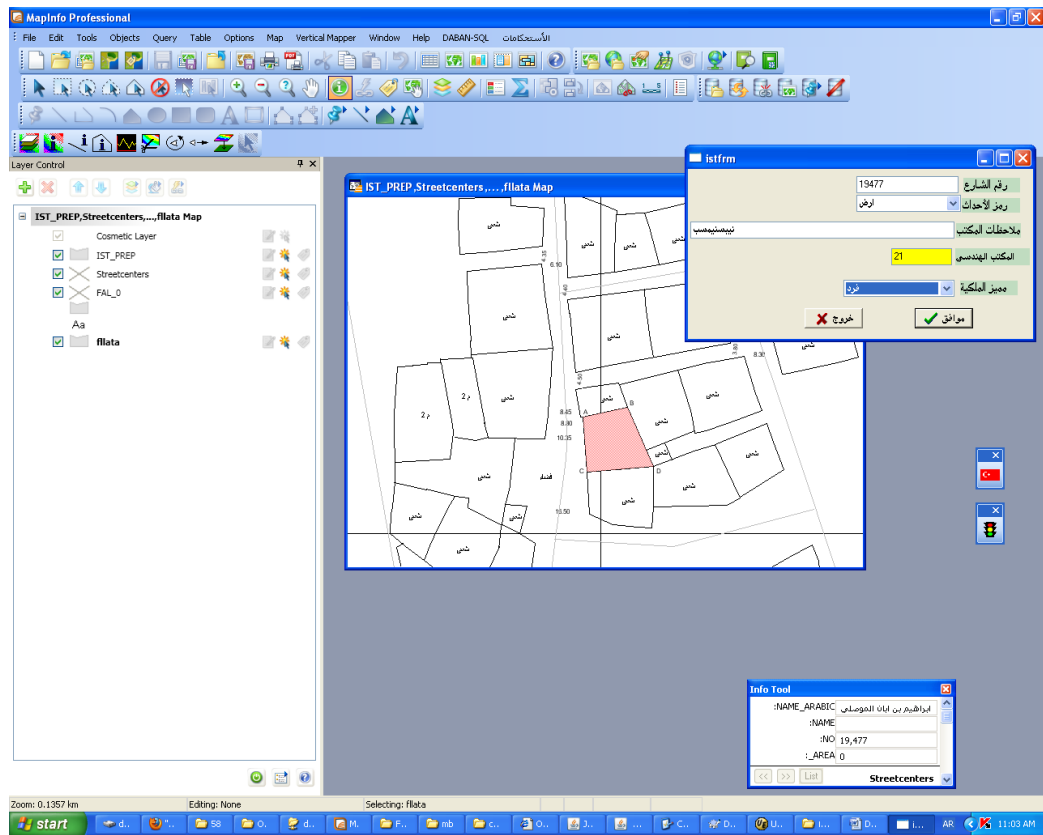
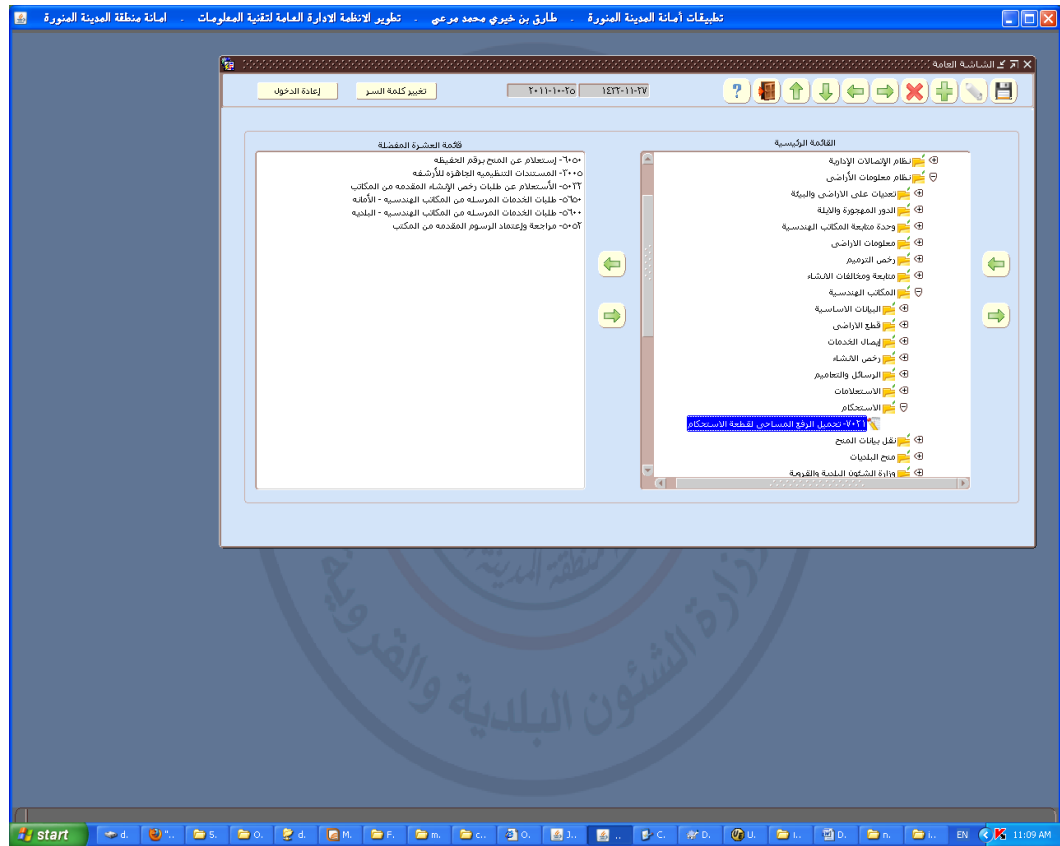4-Prepare your data for uploading use this menu
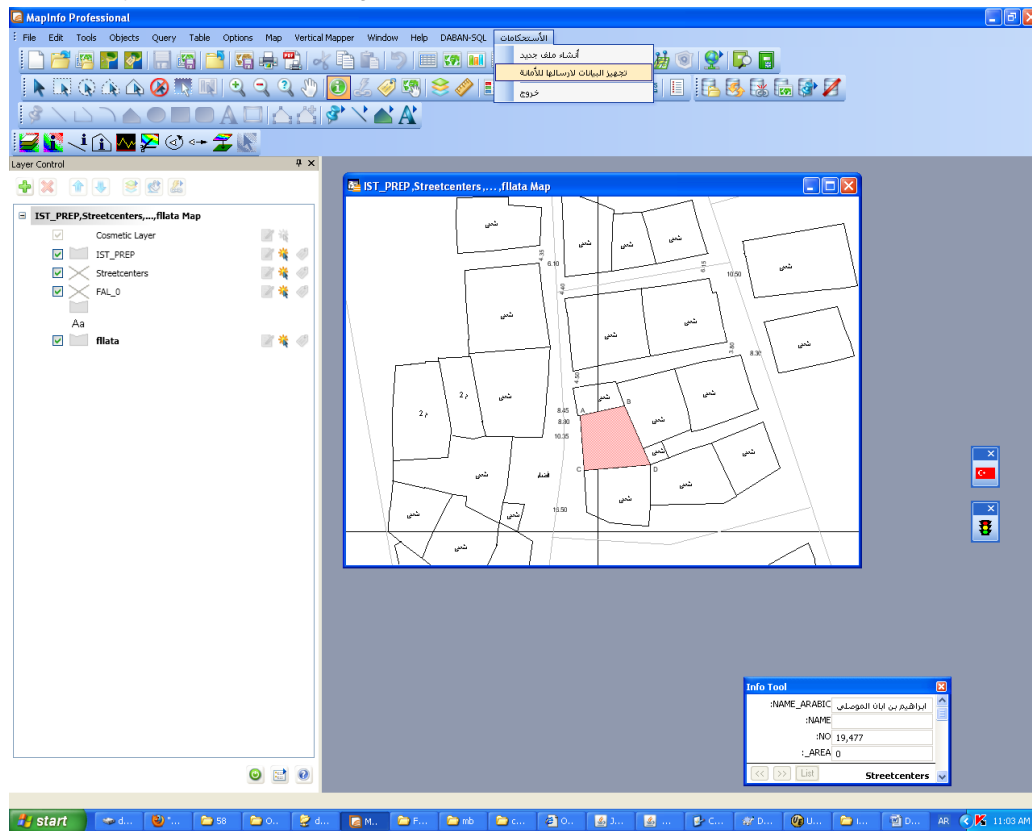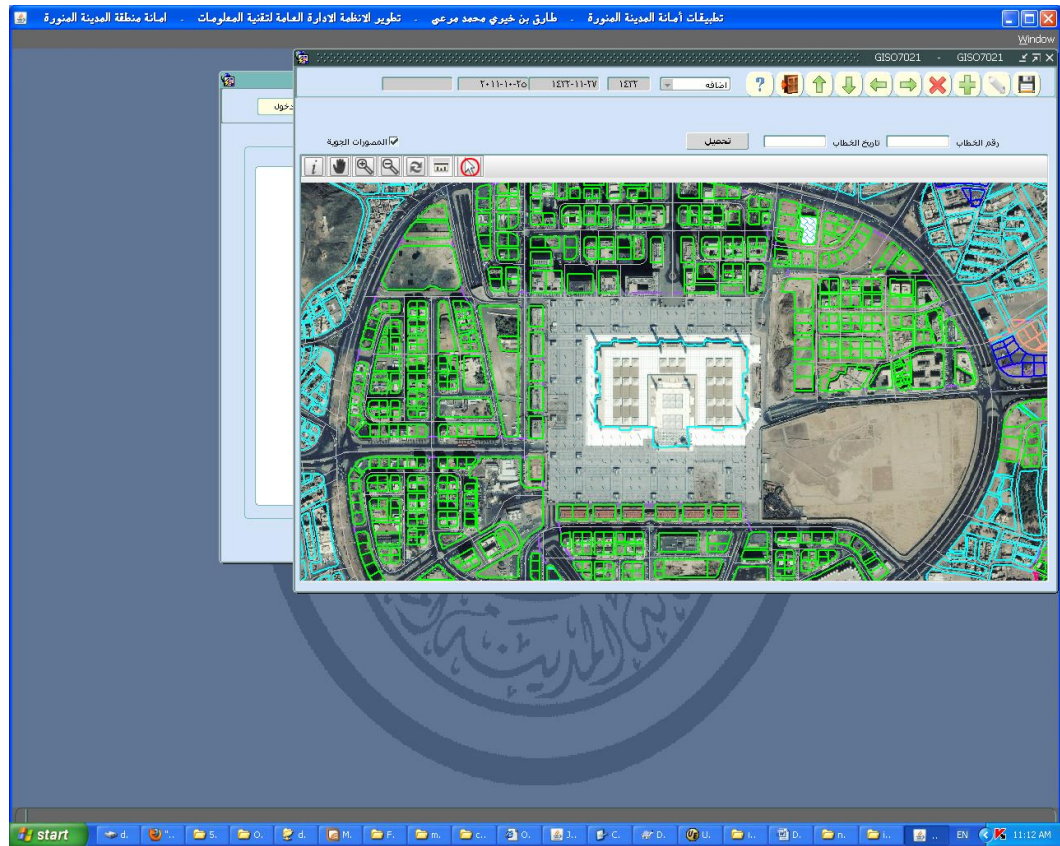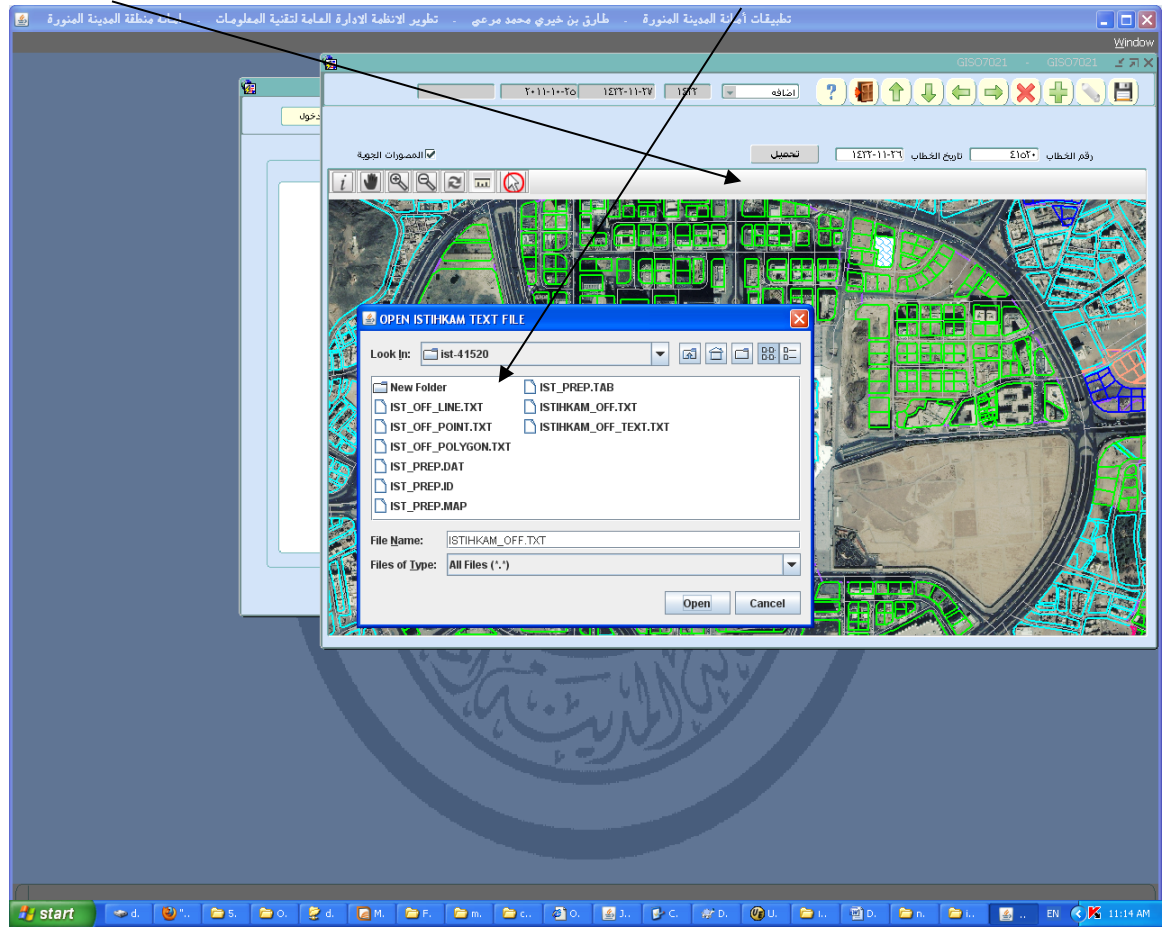
5-Select Details(outside) layer:
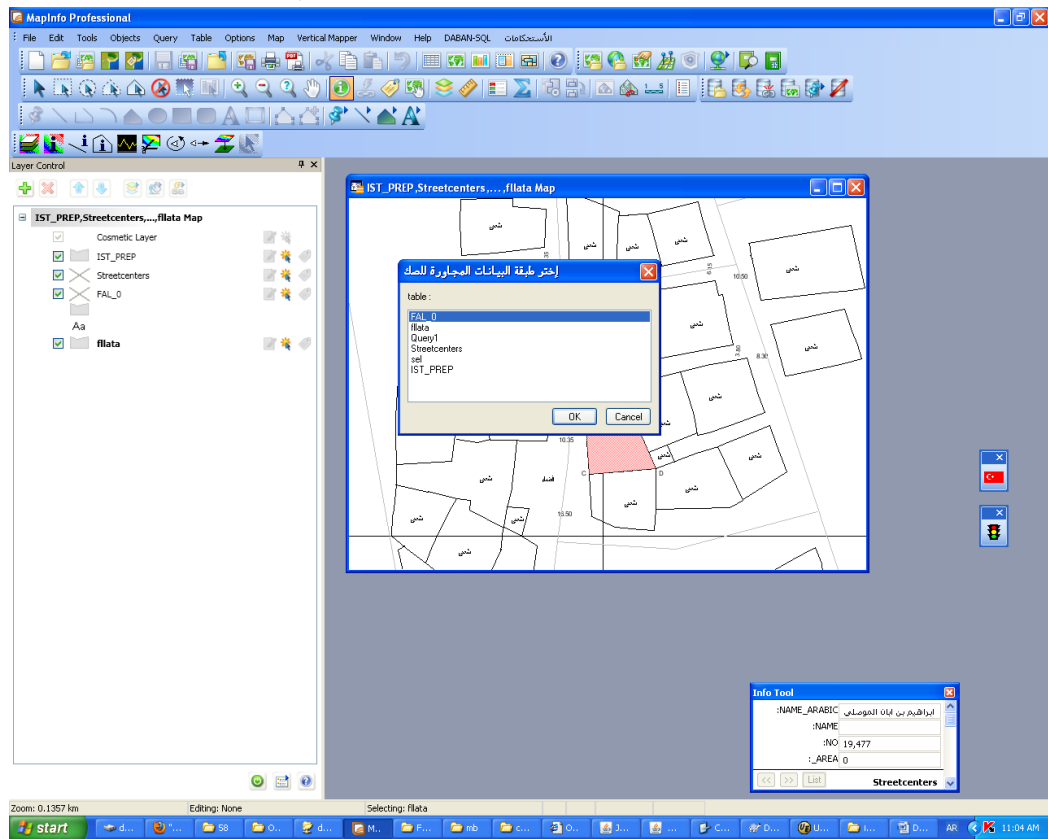
6-Save your files

7-Open amanah system and open this application

8-Before upload you need Letter no and letter date…

9-Upload your file and select your files where you saved before…

Check Overlapping Istihkam:

```
CREATE OR REPLACE FUNCTION MADGIS.CHECK_OVERLAPING_ISTIHKAM( tablename IN
VARCHAR2,sqlvalue IN VARCHAR2
) RETURN NUMBER AS
mprn number;
mysql VARCHAR2(2000);
BEGIN

mysql:='SELECT count(*) FROM ISTIHKAM c ,'||tablename||' d WHERE
SDO_OVERLAPS(c.geoloc,d.geoloc)=''TRUE'' and d.'||sqlvalue;

 execute IMMEDIATE mysql into  mprn;
if mprn>0 then
   RETURN 1;
else
  RETURN 0;
end if;
END CHECK_OVERLAPING_ISTIHKAM;
/
```

Istihkam Text file:

```
555901.40,2682689.09
555891.85,2682734.47
555822.14,2682739.47
555816.57,2682705.60
555795.12,2682688.88
555794.67,2682664.35
555827.34,2682653.03
555841.36,2682627.75
555859.61,2682625.52
555880.48,2682665.23
555901.40,2682689.09
```

Istihkam text file:

```
555800---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555801.59,2682589.14,NULL), NULL,NULL)
555800---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555801.59,2682709.99,NULL), NULL,NULL)
2682600---SDO_GEOMETRY(2001,82359,              SDO_POINT_TYPE(555791.00,2682601.60,NULL),
NULL,NULL)
2682600---SDO_GEOMETRY(2001,82359,              SDO_POINT_TYPE(555909.95,2682601.60,NULL),
NULL,NULL)
555900---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555901.60,2682589.14,NULL), NULL,NULL)
555900---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555901.60,2682709.99,NULL), NULL,NULL)
2682700---SDO_GEOMETRY(2001,82359,              SDO_POINT_TYPE(555791.00,2682701.60,NULL),
NULL,NULL)
2682700---SDO_GEOMETRY(2001,82359,              SDO_POINT_TYPE(555909.95,2682701.60,NULL),
NULL,NULL)
ÇáãæÞÚ---SDO_GEOMETRY(2001,82359,              SDO_POINT_TYPE(555856.48,2682691.00,NULL),
NULL,NULL)
Ô---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555908.43,2682710.74,NULL), NULL,NULL)
Ô---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555898.56,2682761.86,NULL), NULL,NULL)
Ô---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555869.38,2682765.15,NULL), NULL,NULL)
```

Ô---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555846.56,2682766.03,NULL), NULL,NULL)
ÔÇÑÚ---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555871.05,2682741.68,NULL), NULL,NULL)
12.00---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555834.24,2682745.84,NULL), NULL,NULL)
12.00---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555891.72,2682740.15,NULL), NULL,NULL)
ÌÈá---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555864.47,2682608.95,NULL), NULL,NULL)
ÌÈá---SDO_GEOMETRY(2001,82359, SDO_POINT_TYPE(555778.25,2682694.73,NULL), NULL,NULL)

Istihkam polygon text file:

SDO_GEOMETRY(2003,82359, NULL, SDO_ELEM_INFO_ARRAY(1,103,1),SDO_ORDINATE_ARRAY(
555901.40,2682689.09
,555891.85,2682734.47
,555822.14,2682739.47
,555816.57,2682705.60
,555795.12,2682688.88
,555794.67,2682664.35
,555827.34,2682653.03
,555841.36,2682627.75
,555859.61,2682625.52
,555880.48,2682665.23
,555901.40,2682689.09
))

Istihkam line text file:

SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555891.85,2682734.47
,555915.13,2682732.87
))
SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555920.88,2682693.23
,555915.13,2682732.87
))
SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555901.40,2682689.09
,555920.88,2682693.23
))
SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555912.16,2682745.55
,555879.13,2682747.90
))
SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555879.13,2682747.90
,555853.67,2682749.93
))
SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555853.67,2682749.93
,555830.04,2682751.33
))
SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555828.50,2682782.90
,555830.04,2682751.33
))
SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555828.50,2682782.90
,555855.90,2682780.10
))
SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(
555855.90,2682780.10
,555853.67,2682749.93

	)) SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(555855.90,2682780.10 ,555883.70,2682777.20)) SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(555883.70,2682777.20 ,555879.13,2682747.90)) SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(555883.70,2682777.20 ,555913.00,2682771.30)) SDO_GEOMETRY(2002,82359, NULL, SDO_ELEM_INFO_ARRAY(1,2,1),SDO_ORDINATE_ARRAY(555913.00,2682771.30 ,555912.16,2682745.55)) **<u>Version text file:</u>** ver=2.0
Issues	None

Madinah Municipality Representative	GeoTech Representative
Name:	Name:
Signature: _____ Date: / /2020	Signature: _____ Date: / /2020
Comments:	Comments:

Attendees:

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