

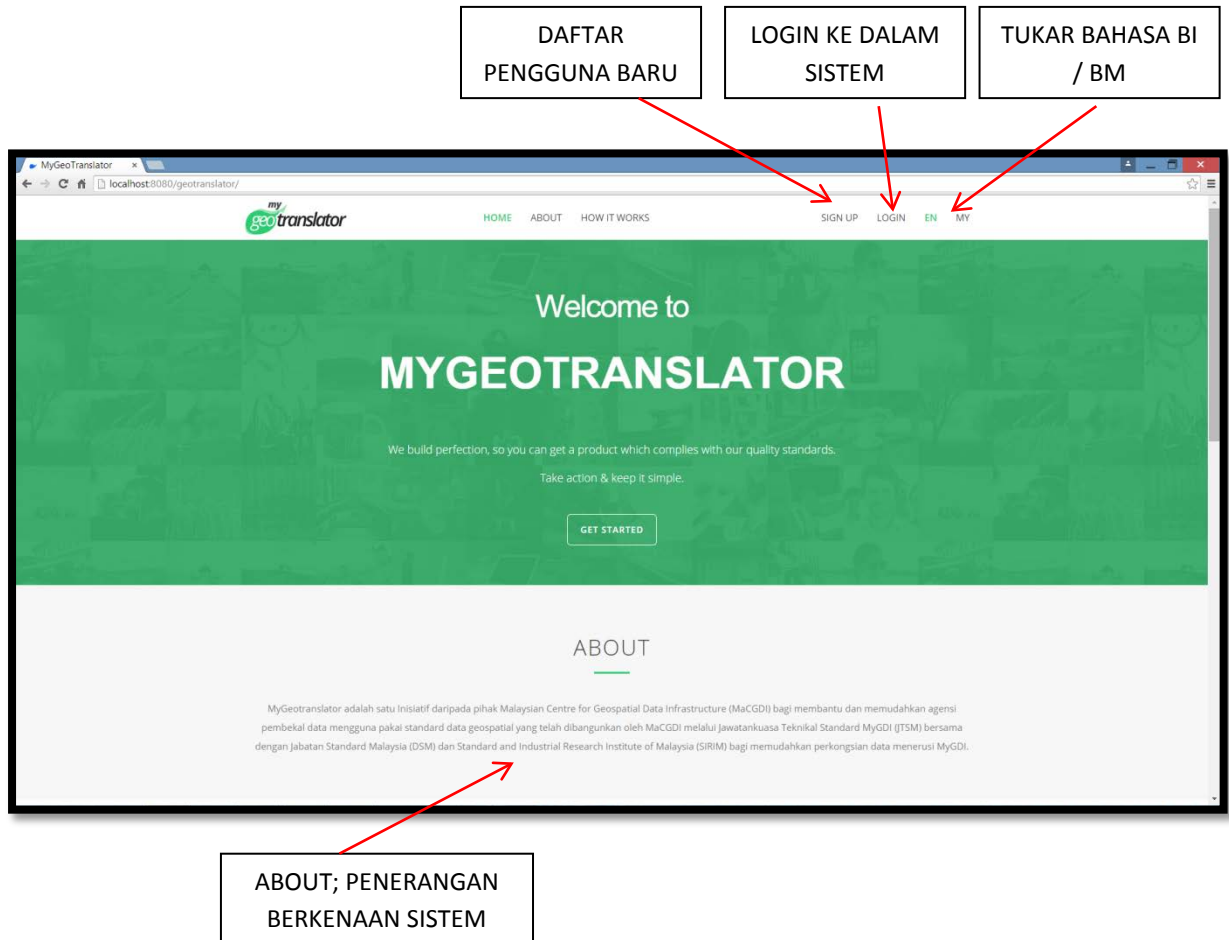


# **USER MANUAL MYGEOTRANSLATOR v1.0**

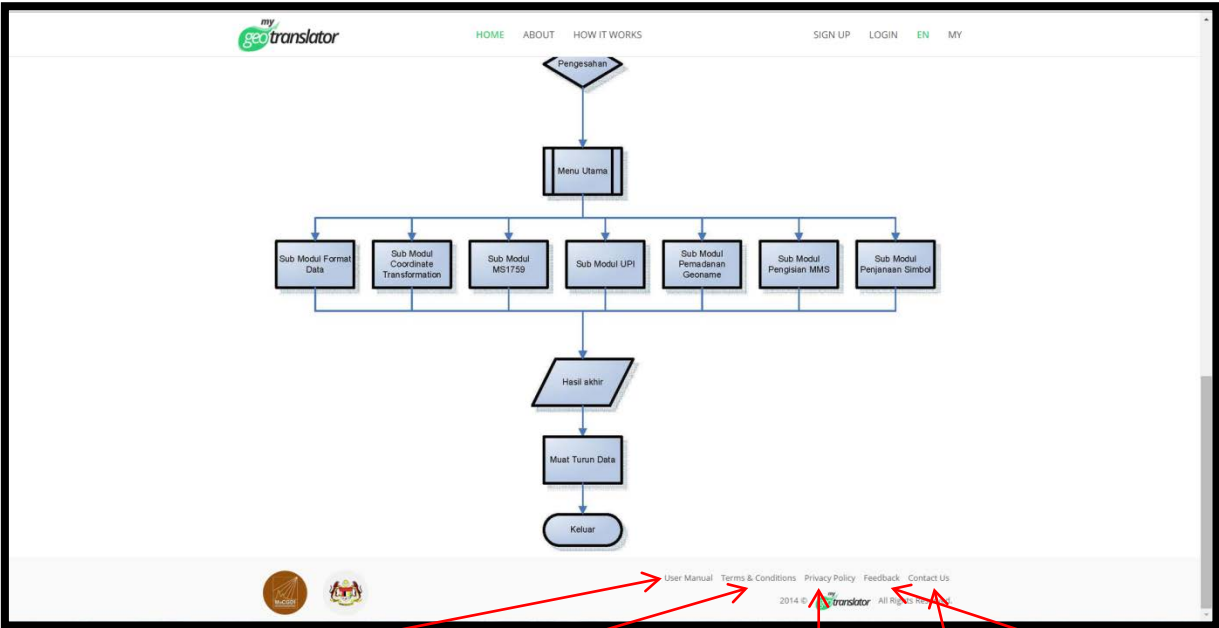
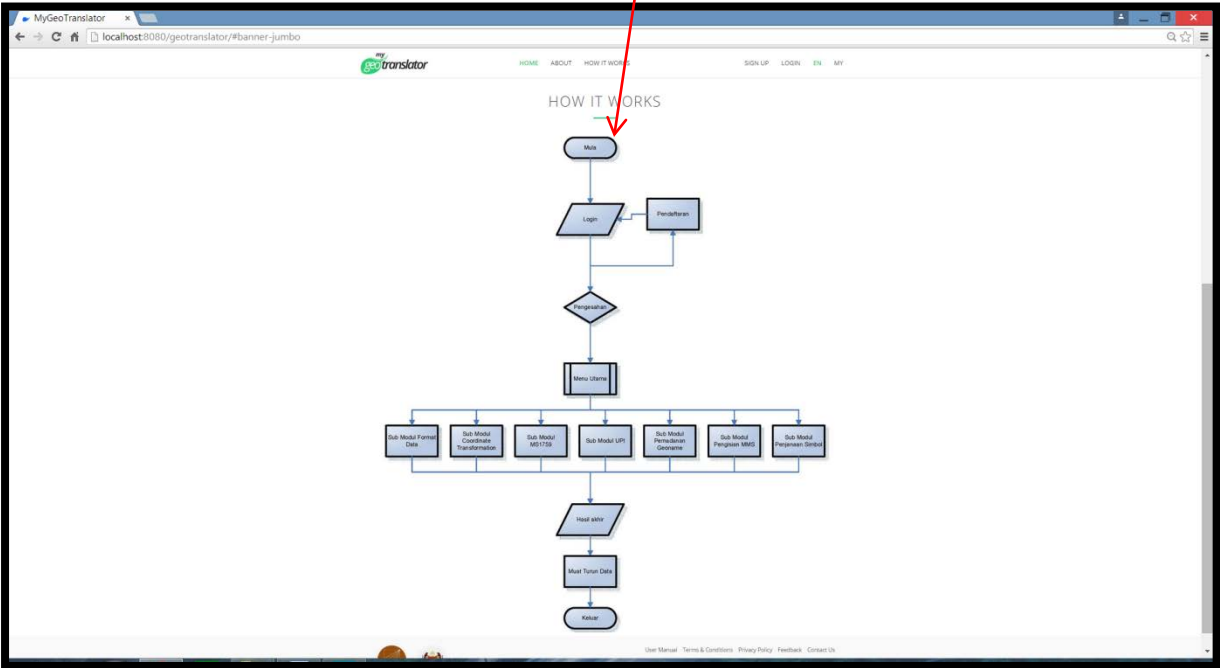
**This system consist of eight (8) Modul. That's are;**

- i. Modul Format Data**
- ii. Modul Coordinate Transformation**
- iii. Unique Parcel Identifier (UPI)**
- iv. MS1759**
- v. Pemadanan Geoname**
- vi. Pengisian MMS**
- vii. Penjanaan Simbol**
- viii. Map Viewer**

## 1.0 Paparan Utama Sistem MYGEOTRANSLATOR



HOW IT WORK;  
FLOW PERJALANAN SISTEM



USER MANUAL UNTUK  
PENGGUNA

STERMA DAN SYARAT  
PENGGUNAAN SISTEM

POLISI PENGGUNAAN  
SISTEM

MAKLUMABALAS  
PENGGUNAAN SISTEM

HUBUNGI PENTADBIR  
SISTEM

## 2.0 Modul Format data

2.1 Sign up in system → Got Approval from Admin System.

2.2 Login system

2.3 Upload File (Data)

2.4 Do Data Checking. Rules as Below

<b>Bil</b>	<b>Modul/submodul</b>	<b>Condition/Rules</b>												
1.	Upload Data	Restrict Size on each File.  (Can upload any format)												
2.	Data Checking	<ul style="list-style-type: none"> <li>i. Check if the uploaded files are readable.</li> <li>ii. Check if atleast one Feature is present in the input.</li> </ul>												
3.	Format Data	<ul style="list-style-type: none"> <li>i. Format input and output as below. Any Coordinate Information. <table border="1" style="margin-left: 40px;"> <thead> <tr> <th><b>Input File</b></th> <th><b>Output File</b></th> </tr> </thead> <tbody> <tr> <td>▪ <b>.shp</b></td> <td>▪ <b>.gbd</b></td> </tr> <tr> <td>▪ <b>.tab</b></td> <td>▪ <b>.Tab</b></td> </tr> <tr> <td>▪ <b>.GML</b></td> <td>▪ <b>.GML</b></td> </tr> <tr> <td>▪ <b>.Dwg</b></td> <td></td> </tr> <tr> <td>▪ <b>.gdb</b></td> <td></td> </tr> </tbody> </table> </li> <li>ii. No File Name/Feature Type restrictions.</li> <li>iii. Must have at least one Feature. Else no output is produced.</li> </ul>	<b>Input File</b>	<b>Output File</b>	▪ <b>.shp</b>	▪ <b>.gbd</b>	▪ <b>.tab</b>	▪ <b>.Tab</b>	▪ <b>.GML</b>	▪ <b>.GML</b>	▪ <b>.Dwg</b>		▪ <b>.gdb</b>	
<b>Input File</b>	<b>Output File</b>													
▪ <b>.shp</b>	▪ <b>.gbd</b>													
▪ <b>.tab</b>	▪ <b>.Tab</b>													
▪ <b>.GML</b>	▪ <b>.GML</b>													
▪ <b>.Dwg</b>														
▪ <b>.gdb</b>														

2.5 Click on Format Data then select the data. Give the Job Title and select the Target Format.

Please provide the details for the Format Data Job

Job Details

Fields with \* are required.

Current Uploads

	Identifier	Status
<input type="radio"/>	Gen BP1	Verified
<input checked="" type="radio"/>	General BP	Verified

Job Title \*

FormatData

Target Format

Select Your Format

- Select Your Format
- Esri Geodatabase (.gdb)
- Esri Shape (.shp)
- Mapinfo (.tab)
- Geography Markup Language (.gml)

2.6 Click submit job and download data after finish.

Job Details

Title : No Name Job

Job Id : 213

FME Job Id : 35

Type : MS 1759

Submitted : 2014-10-03T11:07:22

Finished : 2014-10-03T11:07:25

Status : SUCCESS

Status Message : Translation Successful

Features Written : 531

DOWNLOAD RESULT

UPDATE DASHBOARD

### 3.0 Modul Coordinate Transformation

3.1 Sign up in system → Got Approval from Admin System.

3.2 Login to system

3.3 Upload File (Data)

3.4 Do Data Checking. Rules as Below

<b>Bil</b>	<b>Modul/submodul</b>	<b>Condition/Rules</b>
1.	Upload Data	<ul style="list-style-type: none"><li>i. Restrict Size on each File.</li><li>ii. Must be a Shapfile (.shp)</li></ul>
2.	Data Checking	<ul style="list-style-type: none"><li>i. Check if the uploaded files are readable.</li><li>ii. Check if atleast one Feature is present in the input.</li></ul>
3.	Coordinate Transformation	<ul style="list-style-type: none"><li>i. Must be a Shapfile (.shp)</li><li>ii. Must have a coordinate type from the recognized List (.prj file). As below</li></ul>

No	Coordinate Transformation
1.	GDM_2000_RSO_Peninsular_Malaysia <b>To</b> Kertau_RSO_Malaya_Meters
2.	GDM_2000_RSO_Peninsular_Malaysia <b>To</b> GCS_Kertau
3.	GDM_2000_RSO_Peninsular_Malaysia <b>To</b> WGS84
4.	GDM_2000_RSO_Peninsular_Malaysia <b>To</b> GDM2000
5.	WGS84 <b>To</b> GDM_2000_RSO_Peninsular_Malaysia
6.	WGS84 <b>To</b> GCS_Kertau
7.	WGS84 <b>To</b> Kertau_RSO_Malaya_Meters
8.	WGS84 <b>To</b> GDM2000
9.	GCS_Kertau (MRT48) <b>To</b> GDM_2000_RSO_Peninsular_Malaysia
10.	GCS_Kertau (MRT48) <b>To</b> WGS84
11.	GCS_Kertau (MRT48) <b>To</b> GDM2000
12.	GCS_Kertau (MRT48) <b>To</b> Kertau_RSO_Malaya_Meters
13.	Kertau_RSO_Malaya_Meters <b>To</b> GDM_2000_RSO_Peninsular_Malaysia
14.	Kertau_RSO_Malaya_Meters <b>To</b> GDM2000
15.	Kertau_RSO_Malaya_Meters <b>To</b> WGS84
16.	Kertau_RSO_Malaya_Meters <b>To</b> GCS_Kertau



			17.	GDM2000 <b>To</b> GDM_2000_RSO_Peninsular_Malaysia	
			18.	GDM2000 <b>To</b> WGS84	
			19.	GDM2000 <b>To</b> GCS_Kertau	
			20.	GDM2000 <b>To</b> Kertau_RSO_Malaya_Meters	
			21.	Cassini Soldner Selangor <b>To</b> Kertau_RSO_Malaya_Meters	
			22.	Cassini Soldner Terengganu <b>To</b> Kertau_RSO_Malaya_Meters	
			23.	Cassini Soldner Kedah Perlis <b>To</b> Kertau_RSO_Malaya_Meters	
			24.	Cassini Soldner Johor <b>To</b> Kertau_RSO_Malaya_Meters	
			25.	Cassini Soldner Kelantan <b>To</b> Kertau_RSO_Malaya_Meters	
			26.	Cassini Soldner Melaka Negeri Sembilan <b>To</b> Kertau_RSO_Malaya_Meters	
			27.	Cassini Soldner Pahang <b>To</b> Kertau_RSO_Malaya_Meters	
			28.	Cassini Soldner Penang Seberang Perai <b>To</b> Kertau_RSO_Malaya_Meters	
			29.	Cassini Soldner Perak <b>To</b> Kertau_RSO_Malaya_Meters	
			30.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Terengganu	
			31.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Johor	
			32.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Kedah Perlis	
			33.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Kelantan	

			34.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Melaka Negeri Sembilan
			35.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Pahang
			36.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Penang Seberang Perai
			37.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Perak
			38.	Kertau_RSO_Malaya_Meters <b>To</b> Cassini Soldner Selangor
			39.	My_G_Cassini_Terengganu <b>To</b> GDM2000
			40.	My_G_Cassini_Johor <b>To</b> GDM2000
			41.	My_G_Cassini_Perlis&Kedah <b>To</b> GDM2000
			42.	My_G_Cassini_Kelantan <b>To</b> GDM2000
			43.	My_G_Cassini_Negeri_Sembilan&Melaka <b>To</b> GDM2000
			44.	My_G_Cassini_Pahang <b>To</b> GDM2000
			45.	My_G_Cassini_Pulau_Pinang_&_Seberang_Perai <b>To</b> GDM2000
			46.	My_G_Cassini_Perak <b>To</b> GDM2000
			47.	My_G_Cassini_Selangor <b>To</b> GDM2000
			48.	GDM2000 <b>To</b> My_G_Cassini_Terengganu
			49.	GDM2000 <b>To</b> My_G_Cassini_Johor

			50.	GDM2000 To My_G_Cassini_Perlis&Kedah
			51.	GDM2000 To My_G_Cassini_Kelantan
			52.	GDM2000 To My_G_Cassini_Negeri_Sembilan&Melaka
			53.	GDM2000 To My_G_Cassini_Pahang
			54.	GDM2000 To My_G_Cassini_Pulau_Pinang_&_Seberang_Perai
			55.	GDM2000 To My_G_Cassini_Perak
			56.	GDM2000 To My_G_Cassini_Selangor
			57.	GDM2000 To GDM_2000_BRSO_East_Malaysia
			58.	GDM_2000_BRSO_East_Malaysia To GDM2000
			59.	Timbalai_1948_RSO_Borneo_Meters To GDM_2000_BRSO_East_Malaysia
			60.	GDM_2000_BRSO_East_Malaysia To Timbalai_1948_RSO_Borneo_Meters
			61.	GDM2000 To Timbalai_1948_RSO_Borneo_Meters
			62.	Timbalai_1948_RSO_Borneo_Meters To GDM2000
			63.	WGS84 To Timbalai_1948_RSO_Borneo_Meters
			64.	Timbalai_1948_RSO_Borneo_Meters To WGS84
		iii.	No restriction on Feature type names/File Names	

3.5 Click on Target Coordinate System. Give the Job Title and select the output Coordinate system.

mygeotranslator

HOME ABOUT HOW IT WORKS MY WORKBENCH SIGNOUT EN MY

Change Password  
Upload Files  
Data Checking  
Format Data  
**Co-ordinate System**  
UPI  
MS 1759  
PEMADANAN GEONAME  
PENGISIAN MMS  
PENJANAAN SIMBOL

Job Details

Fields with \* are required.

Current Uploads

Identifier	coordinateSystem
<input type="radio"/> Gen BP1	GDM_2000_RSO_Peninsular_Malaysia
<input checked="" type="radio"/> General BP	GDM_2000_RSO_Peninsular_Malaysia

Job Title \*

**Target Coordinate System**

Please Select  
Please Select  
Kertau\_RSO\_Malaya\_Meters  
**GCS\_Kertau**  
WGS84  
GDM2000

3.6 Click submit job and download data after finish.

mygeotranslator

HOME ABOUT HOW IT WORKS MY WORKBENCH SIGNOUT EN MY

Dashboard  
Change Password  
Upload Files  
Data Checking  
Format Data  
**Co-ordinate System**  
UPI  
MS 1759  
PEMADANAN GEONAME  
PENGISIAN MMS  
PENJANAAN SIMBOL

Job Details

Title : No Name Job  
Job Id : 213  
FME Job Id : 35  
Type : MS 1759  
Submitted : 2014-10-03T11:07:22  
Finished : 2014-10-03T11:07:25  
Status : SUCCESS  
Status Message : Translation Successful  
Features Written : 531

DOWNLOAD RESULT  
UPDATE DASHBOARD

## 4.0 Modul Unique Parcel Identifier (UPI)

4.1 Sign up in system → Got Approval from Admin System.

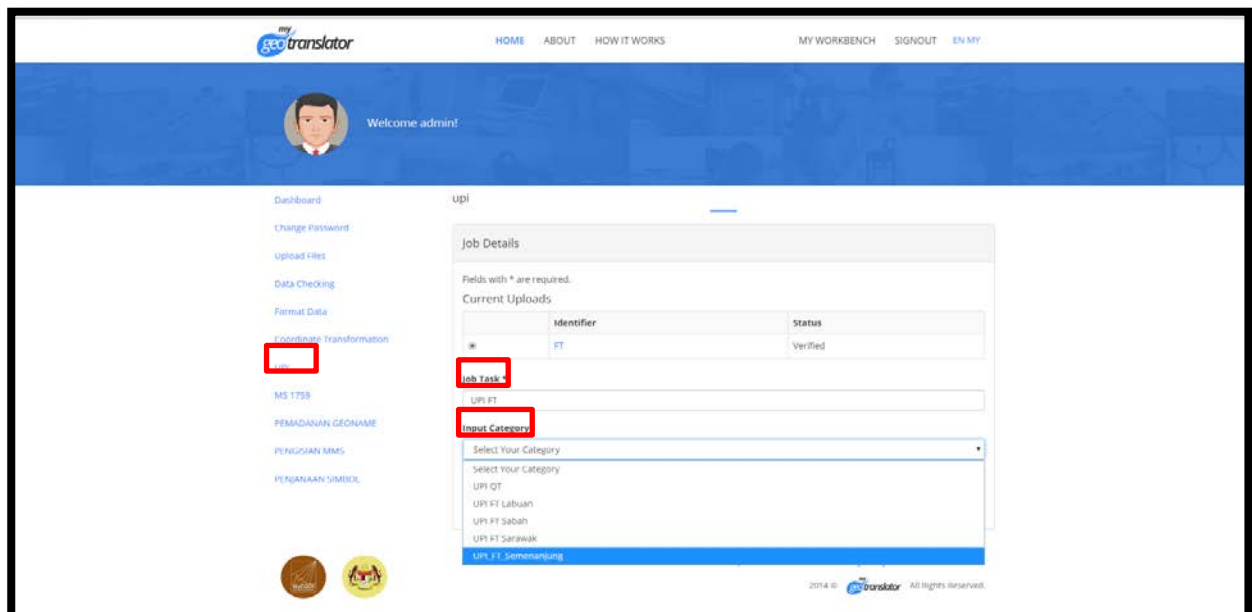
4.2 Login to system

4.3 Upload File (Data)

4.4 Do Data Checking. Rules as Below

Bil	Modul/submodul	Condition/Rules
1.	Upload Data	<ul style="list-style-type: none"> <li>i. Restrict Size on each File.</li> <li>ii. For FT : Must be a Shapfile (.shp)</li> <li>iii. For QT: Must be Geodatabae File (.gdb) format.</li> </ul>
2.	Data Checking	<ul style="list-style-type: none"> <li>i. Check if the uploaded files are readable.</li> <li>ii. Check if atleast one Feature is present in the input.</li> </ul>
3.	Unique Parcel Identifier (UPI)	<p>FT : Only SHP file.</p> <ul style="list-style-type: none"> <li>i. Should have attributes : NEGERI, DAERAH, MUKIM, SEKSYEN, LOT</li> </ul> <p>QT : Only GDB File.</p> <ul style="list-style-type: none"> <li>i. Should have attributes : KOD_NEGERI, KOD_DAERAH, KOD_MUKIM, KOD_SEKSYEN, JENIS_HAKMILIK, NO_HAKMILIK semua ini perlu huruf besar.</li> </ul>

4.5 Click on UPI. Select the data in current uploads. Give the Job Task and select the category of UPI.



#### 4.6 Click submit job and download data after finish.

The screenshot displays the 'mygeotranslator' web interface. At the top, there is a navigation bar with the logo on the left and links for HOME, ABOUT, HOW IT WORKS, MY WORKBENCH, SIGNOUT, and EN MY. Below the navigation bar is a blue header. The main content area is divided into two sections: a left sidebar with navigation links and a right 'Job Details' panel. The sidebar links include Dashboard, Change Password, Upload Files, Data Checking, Format Data, Co-ordinate System, UPI, MS 1759, PEMADANAN GEONAME, PENGISIAN MMS, and PENJANAAN SIMBOL. The 'Job Details' panel shows the following information:

Title :	No Name Job
Job Id :	213
FME Job Id :	35
Type :	MS 1759
Submitted :	2014-10-03T11:07:22
Finished :	2014-10-03T11:07:25
Status :	SUCCESS
Status Message :	Translation Successful
Features Written :	531

Below the job details, there are three buttons: a large blue 'DOWNLOAD RESULT' button, and two smaller blue buttons labeled 'UPDATE' and 'DASHBOARD'.

## 5.0 Modul MS1759

5.1 Sign up in system → Got Approval from Admin System.

5.2 Login system

5.3 Upload File (Data)

5.4 Do Data Checking. Rules as Below

Bil	Modul/submodul	Condition/Rules
1.	Upload Data	<ul style="list-style-type: none"> <li>i. Restrict Size on each File.</li> <li>ii. Must be a Shapfile (.shp)</li> </ul>
2.	Data Checking	<ul style="list-style-type: none"> <li>i. Check if the uploaded files are readable.</li> <li>ii. Check if atleast one Feature is present in the input.</li> </ul>
3.	MS 1759	<ul style="list-style-type: none"> <li>i. Must be a shape file.</li> <li>ii. Must have a feature type name/file name from a list of possible names as below; e.g original data name as <b>Rumah</b> need to change to <b>Residential_Building_A (Follow MS1759 Documentatio)</b></li> </ul> <p><b>FEATURE NAME</b></p> <p><b>Aeronautical</b></p> <p>Aerodrome_A  Aerodrome_Beacon_P  Aerodrome_Control_Tower_P  Aeronautical_Ground_Light_P  Air_Route_L  Air_Space_A  Aircraft_Parking_Area_A  Airfield_L  Airfield_A  Approach_Surface_A  Apron_A  Clearway_A  Conical_Surface_A  Final_Approach_and_Take_off_Area_A  Glideslope_P  Helicopter_Landing_Site_P  Helicopter_Landing_Site_A  Holding_Point_P  Inner_Horizontal_Surface_A</p>

		<p>Landing_Directional_Indicator_P  Limited_Activity_Air_Space_A  Localiser_P  Navigation_Aid_P  Obstacle_Free_Zone_A  Obstacle_P  Obstruction_Light_P  Obstruction_Marker_P  Outer_Horizontal_Surface_A  Radar_P  Runway_L  Runway_A  Runway_Strip_L  Runway_Strip_A  Stopway_A  Take_off_Climb_Surface_A  Taxiway_L  Taxiway_A  Threshold_L  Threshold_A  Touchdown_and_Lift_Off_Area_P  Touchdown_and_Lift_Off_Area_A  Transitional_Surface_A  Wind_Direction_Indicator_P</p> <p style="text-align: center;"><b>Built Environment</b></p> <p>Agriculture_Station_A  Agriculture_Station_P  Airport_Terminal_A  Airport_Terminal_P  Antenna_Tower_Complex_A  Antenna_Tower_Complex_P  Apartel_A  Apartel_P  Aquaculture_A  Aquaculture_P  Army_Camp_A  Army_Camp_P  Army_Training_Centre_A  Army_Training_Centre_P  Art_Theatre_A  Art_Theatre_P  Bank_A  Bank_P  Billboard_P  Bin_Point_Complex_A</p>
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		Bin_Point_Complex_P Building_of_Worship_A Building_of_Worship_P Built_Environment_A Built_Environment_P Bus_Depot_A Bus_Depot_P Bus_Stop_A Bus_Stop_P Bus_Terminal_or_Bus_Stand_A Bus_Terminal_or_Bus_Stand_P Cellular_Radio_Base_Station_Complex_A Cellular_Radio_Base_Station_Complex_P Cemetery_A Cemetery_P Centralised_Air_Conditioning_Building_A Centralised_Air_Conditioning_Building_P City_Gate_Station_Complex_A City_Gate_Station_Complex_P Clinic_A Clinic_P Club_House_A Club_House_P Columbarium_A Columbarium_P Commercial_Building_A Commercial_Building_P Commercial_Complex_A Commercial_Complex_P Community_Hall_A Community_Hall_P Conduit_L Court_A Court_P Crematorium_A Crematorium_P Detention_Centre_A Detention_Centre_P Earth_Satelite_Complex_A Earth_Satelite_Complex_P Exchange_Building_Complex_A Exchange_Building_Complex_P Educational_Building_A Educational_Building_P Entertainment_Centre_A Entertainment_Centre_P Equestrian_Centre_P Fence_L
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		Fire_and_Rescue_Station_A Fire_and_Rescue_Station_P Firing_Line_L Firing_Target_P Foreign_Diplomatic_Mission_A Foreign_Diplomatic_Mission_P Freight_Depot_A Futsal_Centre_A Futsal_Centre_P Golf_Course_A Golf_Course_P Golf_Driving_Range_A Golf_Driving_Range_P Government_Office_A Government_Office_P Guard_House_A Guard_House_P Handicapped_Home_A Handicapped_Home_P Hill_Station_Complex_A Hill_Station_Complex_P Historical_Site_A Historical_Site_P Hospital_A Hospital_P Hostel_A Hostel_P Hotel_A Hotel_P Hypermarket_or_Supermarket_A Hypermarket_or_Supermarket_P Incineration_Plant_Complex_A Incineration_Plant_Complex_P Industrial_Building_A Industrial_Building_P Industrial_Complex_A Industrial_Complex_P Institutional_Building_A Institutional_Building_P Intergrated_Transportation_Terminal_A Intergrated_Transportation_Terminal_P Jetty_Terminal_A Jetty_Terminal_P Library_A Library_P Livestock_A Livestock_P Market_A
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		Market_P Memorial_A Memorial_P Memorial_Park_Cemetery_A Memorial_Park_Cemetery_P Multi_Purpose_House_A Multi_Purpose_House_P Museum_A Museum_P Office_A Office_P Old_Folk_Home_A Old_Folk_Home_P Orphanage_A Orphanage_P Other_Commercial_Building_A Other_Commercial_Building_P Other_Institutional_Building_A Other_Institutional_Building_P Palace_A Palace_P Park_A Park_P Parking_Area_A Parking_Area_P Parking_Complex_A Parking_Complex_P Parliament_House_A Parliament_House_P Petrol_Station_A Petrol_Station_P Playground_A Playground_P Police_Beat_A Police_Beat_P Police_Station_A Police_Station_P Police_Training_Centre_A Police_Training_Centre_P Polo_Field_A Polo_Field_P Pond_Complex_A Pond_Complex_P Post_Office_A Post_Office_P Power_Station_Complex_A Power_Station_Complex_P Prison_A
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		Prison_P Public_Toilet_A Public_Toilet_P Pump_House_Complex_A Pump_House_Complex_P Race_Course_A Race_Course_P Racing_Circuit_A Racing_Circuit_P Radio_Station_Complex_A Radio_Station_Complex_P Rail_Depot_A Rail_Depot_P Rail_Terminal_or_Railway_Station_A Rail_Terminal_or_Railway_Station_P Rehabilitation_Centre_A Rehabilitation_Centre_P Research_Station_or_Laboratory_A Research_Station_or_Laboratory_P Reservoir_Complex_A Reservoir_Complex_P Residential_Building_A Residential_Building_P Residential_Complex_A Residential_Complex_P Restaurant_A Restaurant_P Retail_A Retail_P Science_Centre_A Science_Centre_P Secured_Landfill_Complex_A Secured_Landfill_Complex_P Sewerage_Pump_Station_Complex_A Sewerage_Pump_Station_Complex_P Sewerage_Treatment_Plant_Complex_A Sewerage_Treatment_Plant_Complex_P Shop_Office_or_Shop_House_A Shop_Office_or_Shop_House_P Shopping_Arcade_or_Complex_A Shopping_Arcade_or_Complex_P Sport_Complex_A Sport_Complex_P Stadium_A Stadium_P State_Assembly_House_A State_Assembly_House_P Substation_Complex_A
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		Substation_Complex_P Swimming_Complex_A Swimming_Complex_P Swimming_Pool_A Swimming_Pool_P Tank_Complex_A Tank_Complex_P Taxi_Terminal_or_Taxi Stand_A Taxi_Terminal_or_Taxi Stand_P Telecom_Tower_Complex_A Telecom_Tower_Complex_P Theme_Park_A Theme_Park_P Town_Hall_A Town_Hall_P Transfer_Station_Complex_A Transfer_Station_Complex_P Trench_L VSAT_Station_Complex_A VSAT_Station_Complex_P Velodrome_A Velodrome_P Wall_L Waste_Treatment_Plant_Complex_A Waste_Treatment_Plant_Complex_P Water_Intake_Complex_A Water_Intake_Complex_P Water_Treatment_Plant_Complex_A Water_Treatment_Plant_Complex_P Welfare_Home_A Welfare_Home_P Youth_Club_A Youth_Club_P Youth_Hostel_A Youth_Hostel_P Zoo_A Zoo_P  <p style="text-align: center;"><b>Demarcation</b></p> Aborigine_Reserve_Area_A Aborigine_Reserve_Boundary_L Agricultural_Drainage_Reserve_Area_A Agricultural_Drainage_Reserve_Boundary_L Agriculture_Land_Scheme_Area_A Agriculture_Land_Scheme_Boundary_L Agriculture_Reserve_Area_A Agriculture_Reserve_Boundary_L
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		Animal_Husbandry_Area_A Animal_Husbandry_Area_P Animal_Husbandry_Boundary_L Aquaculture_Reserve_Area_A Aquaculture_Reserve_Boundary_L Army_Reserve_Area_A Army_Reserve_Boundary_L Baseline_L Cemetery_Reserve_Area_A Cemetery_Reserve_Boundary_L Census_Enumeration_Block_A Census_Enumeration_Block_Boundary_L Census_Enumeration_Block_P Clinic_Reserve_Area_A Clinic_Reserve_Boundary_L Committed_Land_Use_A Common_Property_A Common_Property_Boundary_L Contiguous_Zone_A Contiguous_Zone_Boundary_L Continental_Shelf_Boundary_L Country_Coverage_A District_or_Jajahan_Boundary_Administrative_L District_or_Jajahan_Boundary_Land_L District_or_Jajahan_Coverage_Administrative_A District_or_Jajahan_Coverage_Land_A Division_Boundary_L Division_Coverage_A Drainage_Reserve_Area_A Drainage_Reserve_Boundary_L Exclusive_Economic_Zone_A Exclusive_Economic_Zone_Boundary_L Existing_Land_Use_A Fire_and_Rescue_Station_Area_A Fire_and_Rescue_Station_Boundary_L Firing_Range_Reserve_Area_A Firing_Range_Reserve_Boundary_L Fishing_Zone_A Fishing_Zone_Boundary_L Forest_Reserve_Area_A Forest_Reserve_Boundary_L Game_Reserve_Area_A Game_Reserve_Boundary_L Government_Reserve_Area_A Government_Reserve_Boundary_L Grazing_Reserve_Area_A Grazing_Reserve_Boundary_L Harbour_Authority_Area_A
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		Harbour_Authority_Boundary_L Hospital_Reserve_Area_A Hospital_Reserve_Boundary_L Housing_Estate_A Housing_Estate_Boundary_L Interior_Land_Area_A Interior_Land_Boundary_L Internal_Water_A Internal_Water_Boundary_L International_or_Country_Boundary_L Irrigation_Reserve_Area_A Irrigation_Reserve_Boundary_L Irrigation_Scheme_Area_A Irrigation_Scheme_Boundary_L Kampung_Boundary_Administrative_L Kampung_Boundary_Land_L Kampung_Coverage_Administrative_A Kampung_Coverage_Land_A Land_Parcel_or_Lot_A Land_Parcel_or_Lot_Boundary_L Local_Authority_Area_A Local_Authority_Boundary_L Malay_Reserve_Area_A Malay_Reserve_Boundary_L Maritime_Firing_Area_A Maritime_Firing_Boundary_L Medical_Emergency_Station_Area_A Medical_Emergency_Station_Boundary_L Mixed_Zone_Land_Area_A Mixed_Zone_Land_Boundary_L Mukim_Boundary_Administrative_L Mukim_Boundary_Land_L Mukim_Coverage_Administrative_A Mukim_Coverage_Land_A Native_Customary_Land_Area_A Native_Customary_Land_Boundary_L Native_Land_Area_A Native_Land_Boundary_L Native_Timber_Reserve_Area_A Native_Timber_Reserve_Boundary_L Oil_and_Gas_Pipeline_Reserve_Area_A Oil_and_Gas_Pipeline_Reserve_Boundary_L Park_Reserve_Area_A Park_Reserve_Boundary_L Parliamentary_Electoral_Area_A Parliamentary_Electoral_Boundary_L Pekan_Boundary_Administrative_L Pekan_Boundary_Land_L
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		Pekan_Coverage_Administrative_A Pekan_Coverage_Land_A Planning_Permission_A Police_District_Area_A Police_District_Boundary_L Port_Authority_Area_A Postcode_Area_A Postcode_Boundary_L Precinct_Boundary_L Precinct_Coverage_A Rail_Reserve_Area_A Rail_Reserve_Boundary_L River_Reserve_Area_A River_Reserve_Boundary_L Road_Reserve_Area_A Road_Reserve_Boundary_L Royal_Reserve_Area_A Royal_Reserve_Boundary_L Sanctuary_Reserve_A Sanctuary_Reserve_Boundary_L Sarawak_Country_Land_Area_A Sarawak_Country_Land_Boundary_L Sarawak_Reserve_Land_Area_A Sarawak_Reserve_Land_Boundary_L Sarawak_Suburban_Land_Area_A Sarawak_Suburban_Land_Boundary_L Sarawak_Town_Land_Area_A Sarawak_Town_Land_Boundary_L School_Reserve_Area_A School_Reserve_Boundary_L Section_Boundary_Administrative_L Section_Boundary_Land_L Section_Coverage_Administrative_A Section_Coverage_Land_A State_Boundary_L State_Coverage_A State_Electoral_Area_A State_Electoral_Boundary_L State_Land_A State_Land_Boundary_L State_Territorial_Water_A State_Territorial_Water_Boundary_L Strata_Parcel_Boundary_L Strata_Accessory_Parcel_A Strata_Accessory_Parcel_Boundary_L Strata_Parcel_A Sub_District_Boundary_Administrative_L Sub_District_Boundary_Land_L
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		<p> Sub_District_Coverage_Administrative_A  Sub_District_Coverage_Land_A  Subterranean_Parcel_A  Subterranean_Parcel_Boundary_L  Territorial_Water_A  Territorial_Water_Boundary_L  Town_Boundary_Administrative_L  Town_Boundary_Land_L  Town_Coverage_Administrative_A  Town_Coverage_Land_A  Transmission_Line_ROW_Area_A  Transmission_Line_ROW_Boundary_L  Trigonometrical_Station_Area_A  Trigonometrical_Station_Boundary_L  Water_Catchment_Reserve_Area_A  Water_Catchment_Reserve_Boundary_L  Wildlife_Reserve_Area_A  Wildlife_Reserve_Boundary_L  Zoning_Land_Use_A </p> <p style="text-align: center;"><b>General</b></p> <p> Base_Point_P  EIA_Study_Area_A  EIA_Study_Area_P  Environmental_Complaint_P  Global_Positioning_System_Station_P  Gravity_Reference_Point_P  Height_Point_P  International_Boundary_Marker_P  Label_of_Feature_P  Label_of_Settlement_P  Laplace_Station_P  State_Boundary_Marker_P  Survey_Point_P  Trigonometry_Station_P </p> <p style="text-align: center;"><b>Geology</b></p> <p>Alluvium_A</p>
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		Anomaly_Area_A Aquifer_Alluvial_A Aquifer_Hardrock_A Aquifer_Peat_A Arenaceous_Rock_A Argillaceous_Rock_A Base_Metals_A Base_Metals_P Bedding_L Bedding_P Calcareous_Rock_A Carbonaceous_Rock_A Clay_Based_Minerals_A Clay_Based_Minerals_P Construction_Suitability_A Contact_A Dynamic_A Energy_Minerals_A Energy_Minerals_P Engineering_Geology_Survey_Area_A Engineering_Geology_Survey_Area_P Environmental_Geology_Survey_Area_A Erosion_Site_A Erosion_Site_P Evaporite_Rock_A Exploration_Hole_P Extraction_Permit_Area_A Extraction_Permit_Area_P Faulting_L Fauna_P Fertilizer_Minerals_A Fertilizer_Minerals_P Flora_P Folding_L Fossil_P Geochemical_Sample_Point_P Geochemical_Survey_Area_A Geochemical_Survey_Area_P Geohazard_Site_A Geohazard_Site_P Geological_Boundary_L Geological_Lithodemic_Unit_A Geological_Lithostratigraphic_Unit_A Geological_Mapping_Area_A Geological_Mapping_Area_P Geological_Remote_Sensing_Area_A Geophysical_Survey_Area_A Geophysical_Survey_Line_L
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		<p> Geophysical_Survey_Station_P  Groundwater_Flow_L  Groundwater_Limit_L  Groundwater_Monitoring_Station_P  Groundwater_Potential_Area_A  Groundwater_Well_P  Hydrogeological_Survey_Area_A  Hydrogeological_Zone_A  Igneous_Rocks_A  Impact_Metamorphic_Rocks_A  Intrusive_Structure_A  Intrusive_Structure_L  Intrusive_Structure_P  Iron_and_Ferrous_Alloy_A  Iron_and_Ferrous_Alloy_P  Jointing_L  Jointing_P  Land_Subsidence_Site_A  Land_Subsidence_Site_P  Landslide_Site_A  Landslide_Site_P  Light_Metals_A  Light_Metals_P  Lineament_L  Metallic_Minerals_A  Metallic_Minerals_P  Metamorphic_Rocks_A  Meteorites_P  Mine_Pit_A  Mine_Pit_P  Mine_Tailings_Area_A  Mine_Tailings_Area_P  Mineral_and_Geoscience_Exploration_Block_A  Mineral_and_Geoscience_Exploration_Block_P  Mineral_Anomaly_A  Minerals_A  Minerals_P  Mines_A  Mines_P  Mining_and_Quarrying_Area_A  Mining_and_Quarrying_Area_P  Non_Metallic_Minerals_A  Non_Metallic_Minerals_P  Older_Alluvium_A  Other_Geological_Structure_A  Other_Geological_Structure_L  Other_Geological_Structure_P  Other_Metallic_Minerals_A </p>
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		Other_Metallic_Minerals_P Other_Non_Metallic_Minerals_A Other_Non_Metallic_Minerals_P Peat_A Plutonic_Acid_Rocks_A Plutonic_Basic_Rocks_A Plutonic_Intermediate_Rocks_A Plutonic_Ultrabasic_Rocks_A Precious_Metals_A Precious_Metals_P Profile_Line_L Quarry_Pit_A Quarry_Pit_P Quarry_Site_A Quarry_Site_P Raised_Beach_A Rare_Metals_A Rare_Metals_P Regional_A Rehabilitational_Area_A Rehabilitational_Area_P Rock_Based_Minerals_A Rock_Based_Minerals_P Rock_Boulders_A Rock_Outcrop_A Rockfall_Site_A Rockfall_Site_P Rudaceous_Rock_A Sample_Point_Rock_P Sample_Point_Silt_P Sample_Point_Soil_P Sample_Point_Stream_Concentrate_P Sample_Point_Stream_Water_P Sand_Based_Minerals_A Sand_Based_Minerals_P Sedimentary_Rock_A Siliceous_Rock_A Sinkhole_Site_A Sinkhole_Site_P Stockpile_A Surficial_Deposit_A Surficial_Deposit_Others_A Tin_and_Associated_Minerals_A Tin_and_Associated_Minerals_P Trace_P Volcanic_Acid_Rocks_A Volcanic_Basic_Rocks_A Volcanic_Intermediate_Rocks_A
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		Volcanic_Pyroclastic_Rocks_A
		<b>Hydro</b>
		Agricultural_Drainage_Drain_L
		Agricultural_Drainage_Structures_A
		Anchorage_Area_A
		Anchorage_Area_P
		Anchorage_Prohibited_A
		Anchorage_Prohibited_P
		Artificial_Recharge_Basin_A
		Artificial_Reef_A
		Artificial_Reef_P
		Atoll_A
		Bar_A
		Barrage_L
		Barrage_P
		Bay_A
		Beach_A
		Beacon_P
		Breakwater_A
		Bund_A
		Bund_L
		Buoy_P
		Canal_A
		Canal_L
		Cape_A
		Cape_P
		Cay_A
		Cay_P
		Coast_L
		Coastal_Flood_Plain_A
		Coastal_Island_A
		Culvert_P
		Current_L
		Dam_P
		Delta_A
		Depth_Area_A
		Dockyard_A
		Dockyard_P
		Dolphin_P
		Drain_Coverage_A
		Drain_Edge_L
		Drain_L
		Drain_Structures_P
		Drainage_Gate_P
		Dredge_Area_A

		<p> Dry_Dock_A  Dry_Dock_L  Dry_Dock_P  Explosive_Dumping_Ground_A  Fish_Ladder_P  Fishing_Gate_L  Fishing_Gate_P  Fishing_Haven_A  Fishing_Haven_P  Fishing_Platform_P  Fishing_Trap_P  Flare_Stack_P  Floating_Dock_A  Floating_Dock_L  Floating_Dock_P  Gross_Polutant_Traps_P  Groyne_A  Harbour_A  Headland_A  Highest_Astronomical_Tide_L  Hulkes_A  Hulkes_P  Hydrological_Station_P  Inland_Flood_Prone_Area_A  Inland_Island_A  Inshore_Traffic_Zone_A  Intertidal_Flat_or_Littoral_Zone_A  Irrigation_Canal_Coverage_A  Irrigation_Canal_Edge_L  Irrigation_Canal_L  Irrigation_Canal_Structures_P  Irrigation_Drain_Coverage_A  Irrigation_Drain_Edge_L  Irrigation_Drain_L  Irrigation_Drain_Structures_P  Jetty_or_Pier_A  Jetty_or_Pier_L  Jetty_or_Pier_P  Lagoon_A  Lake_A  Light_House_P  Lock_Basin_A  Log_Pond_A  Log_Pond_P  Lowest_Astronomical_Tide_L  Marina_A  Marina_L  Marina_P </p>
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		Marine_Farm_A Marine_Farm_P Marine_Round_About_A Marine_Round_About_P Mean_High_Water_Neaps_L Mean_High_Water_Springs_L Mean_Higher_High_Water_L Mean_Higher_Low_Water_L Mean_Low_Water_Neap_L Mean_Lower_High_Water_L Mean_Lower_Low_Water_L Mean_Lower_Water_Spring_L Mean_Sea_Level_L Military_Practice_Area_A Military_Practice_Area_P Mooring_Facilities_P Mud_Line_L Natural_Spring_A Natural_Spring_P Navigation_Pole_P Obstruction_A Obstruction_P Offshore_Island_A Offshore_Lighting_P Offshore_Platform_A Offshore_Production_Area_A Old_River_Bed_A Old_River_Bed_L Outfall_A Outfall_L Outfall_P Pile_P Pilot_Boarding_Place_A Pilot_Boarding_Place_P Pond_A Pontoon_A Pontoon_P Pool_A Pool_P Port_A Precautionary_Area_A Rapids_A Rapids_P Reclaimed_Land_A Recommended_Route_L Reef_A Reservoir_A Restricted_Area_A
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		Revetment_A Revetment_L River_A River_L River_Bank_L River_Coverage_A River_Groyne_P Riverbank_Protection_L Riverlock_P Rocks_A Saline_Flat_A Salt_Lick_A Salt_Lick_P Sand_Bar_A Sand_Bar_L Sand_Line_L Sandwave_A Sea_Recreational_Area_A Sea_Wall_A Sea_Wall_L Shore_A Shore_Line_L Slipway_L Sounding_Depth_P Spit_A Spoil_Ground_A Steps_A Steps_L Steps_P Surveyed_Depth_Contour_L Swamp_A Swept_Area_A Tank_P Tidal_Gate_L Tidal_Gate_P Traffic_Separation_Scheme_A Transit_Mark_P Turning_Basin_A Under_Ground_River_A Under_Ground_River_L Unsurveyed_Area_A Unsurveyed_Depth_Contour_L Upright_Sounding_P Water_Body_A Water_Control_Structure_P Water_Flow_P Water_Hole_P Water_Mark_L
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		<p>Water_Mark_P  Waterfall_P  Weir_P  Wetland_A  Wharf_or_Quay_A  Wharf_or_Quay_L  Wharf_or_Quay_P  Wreck_P</p> <p style="text-align: center;"><b>Hypsography</b></p> <p>Breakline_L  Cliff_Area_A  Cliff_Precipitous_A  Cliff_Precipitous_L  Contour_Line_L  Cutting_A  Cutting_Area_A  Cutting_L  Embankment_A  Embankment_Area_A  Embankment_L  Inland_Water_Elevation_P  Pinnacle_A  Pinnacle_P  Ridge_L  Spot_Height_P  Valley_Bottom_Line_L</p> <p style="text-align: center;"><b>Soil</b></p> <p>Abok_Family_A  Abok_Series_A  Ajoh_Series_A  Alma_Series_A  Alor_Semat_Series_A  Ambun_Series_A  Anderson_Family_A  Anderson_Series_A  Andisols_A  Antulai_Family_A  Antulai_Series_A  Apas_Series_A  Apek_Series_A  Arang_Family_A  Arang_Series_A</p>
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		Arip_Series_A Asahan_Series_A Awang_Series_A Baging_Family_A Baging_Series_A Bagunan_Series_A Baiayo_Series_A Bakau_Series_A Bakong_Family_A Bakong_Series_A Bakri_Family_A Bakri_Series_A Balik_Pulau_Family_A Balik_Pulau_Series_A Baling_Family_A Baling_Series_A Banar_Family_A Banar_Series_A Bandang_Family_A Bandang_Series_A Banjar_Series_A Bareo_Family_A Bareo_Series_A Batang_Family_A Batang_Merbau_Series_A Batang_Series_A Batu_Anam_Family_A Batu_Anam_Series_A Batu_Hitam_Series_A Batu_Lapan_Family_A Batu_Lapan_Series_A Bayas_Family_A Bayas_Series_A Bedup_Series_A Bedup_Series_A Bekenu_Family_A Bekenu_Series_A Belat_Family_A Belat_Series_A Beliung_Series_A Bemang_Family_A Bemang_Series_A Bemban_Series_A Bengawat_Family_A Bengawat_Series_A Benuou_Series_A Beoh_Family_A Beoh_Series_A
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		<p> Bera_Family_A  Bera_Series_A  Bergosong_Family_A  Bergosong_Series_A  Berhala_Family_A  Berhala_Series_A  Bernam_Family_A  Bernam_Series_A  Bertam_Series_A  Beruang_Family_A  Beruang_Series_A  Beserah_Family_A  Beserah_Series_A  Beserah_Series_A  Bijat_Family_A  Bijat_Series_A  Binjai_Family_A  Binjai_Series_A  Binuang_Family_A  Binuang_Series_A  Bokah_Series_A  Bombalai_Series_A  Briah_Series_A  Brinchang_Family_A  Brinchang_Series_A  Bukit_Temiang_Series_A  Bukit_Tuku_Family_A  Bukit_Tuku_Series_A  Bulanat_Series_A  Bungor_Family_A  Bungor_Series_A  Buntal_Series_A  Buri_Series_A  Burong_Series_A  Buso_Family_A  Buso_Series_A  Carey_Family_A  Carey_Series_A  Cermin_Series_A  Changkat_Lobak_Series_A  Changloon_Family_A  Changloon_Series_A  Chat_Family_A  Chat_Series_A  Chempaka_Family_A  Chempaka_Series_A  Chenaam_Family_A  Chenaam_Series_A </p>
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		Chenering_Family_A Chenering_Series_A Chengai_Series_A Chenian_Series_A Cherang_Hangus_Series_A Cherating_Series_A Chukai_Series_A Chupin_Series_A Chuping_Family_A Chuping_Series_A Dagat_Family_A Dagat_Series_A Danau_Series_A Dapoi_Series_A Daro_Family_A Daro_Series_A Disturbed_land_A Durian_Series_A Durikong_Family_A Durikong_Series_A Durin_Series_A Entisols_A Epai_Series_A Fikri_Series_A Gadong_Series_A Gajah_Mati_Family_A Gajah_Mati_Series_A Gali_Family_A Gali_Series_A Goh_Family_A Goh_Series_A Gol_Family_A Gol_Series_A Gondang_Family_A Gondang_Series_A Gong_Chenak_Series_A Gong_Series_A Grang_Family_A Grang_Series_A Guan_Family_A Guan_Series_A Guar_Series_A Gugut_Family_A Gugut_Series_A Gumbang_Series_A Gunung_Alab_Family_A Gunung_Alab_Series_A Halu_Series_A
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		Harad_Series_A Harimau_Series_A Hatton_Series_A Histosols_A Holyrood_Series_A Hutan_Series_A Ibok_Series_A Idris_Family_A Idris_Series_A Igan_Family_A Igan_Series_A Inanam_Family_A Inanam_Series_A Inceptisols_A Jabil_Family_A Jabil_Series_A Jabor_Series_A Jakar_Series_A Jambu_Family_A Jambu_Series_A Jambu_Series_A Janglau_Family_A Janglau_Series_A Jarangan_Series_A Jawa_Series_A Jaya_Series_A Jelutong_Family_A Jelutong_Series_A Jempol_Series_A Jenjarum_Series_A Jeram_Family_A Jeram_Series_A Jerijeh_Family_A Jerijeh_Series_A Jernih_Series_A Jitra_Series_A Jiwan_Series_A Juak_Series_A Julan_Series_A Juru_Series_A Kabili_Family_A Kabili_Series_A Kabong_Family_A Kabong_Series_A Kaintano_Family_A Kaintano_Series_A Kakai_Series_A Kalibong_Family_A
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		Kalibong_Series_A Kampong_Kolam_Series_A Kampong_Pusu_Series_A Kangar_Series_A Kangkong_Family_A Kangkong_Series_A Kapilit_Family_A Kapilit_Series_A Kapor_Family_A Kapor_Series_A Karamatoi_Family_A Karamatoi_Series_A Kasah_Series_A Katong_Series_A Kawa_Series_A Kawah_Series_A Kawang_Series_A Kaya_Series_A Kayan_Family_A Kayan_Family_A Kayan_Series_A Kayan_Series_A Kechai_Family_A Kechai_Series_A Kechor_Series_A Kedah_Family_A Kedah_Series_A Kekura_Series_A Kelambu_Series_A Kelau_Series_A Kelawat_Family_A Kelawat_Series_A Keledang_Series_A Kemahang_Series_A Kemang_Family_A Kemang_Series_A Kemuning_Series_A Kening_Series_A Kepayang_Series_A Kerait_Family_A Kerait_Series_A Kerait_Series_A KerANJI_Family_A KerANJI_Series_A Kerayong_Family_A Kerayong_Series_A Kerpah_Series_A Kerpai_Family_A
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		Kerpai_Series_A Ketak_Series_A Kg_Perlis_Series_A Kiau_Family_A Kiau_Series_A Kidukarok_Family_A Kidukarok_Series_A Kilong_Series_A Kinabalu_Family_A Kinabalu_Series_A Kinabutan_Family_A Kinabutan_Series_A Klias_Family_A Klias_Series_A Kluang_Family_A Kluang_Series_A Kodiang_Family_A Kodiang_Series_A Kodiang_Series_A Koung_Family_A Koung_Series_A Koyah_Family_A Koyah_Series_A Kuah_Family_A Kuah_Series_A Kuala_Brang_Series_A Kuala_Kedah_Family_A Kuala_Kedah_Series_A Kuala_Perlis_Family_A Kuala_Perlis_Series_A Kuantan_Series_A Kuai_Series_A Kulai_Series_A Kumansi_Family_A Kumansi_Series_A Kundor_Series_A Laab_Series_A Laka_Series_A Lalat_Series_A Lambak_Family_A Lambak_Series_A Lanas_Series_A Lanchang_Series_A Langkawi_Series_A Lari_Family_A Lari_Series_A Lating_Family_A Lating_Series_A
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		<p> Linau_Family_A  Linau_Family_A  Linau_Series_A  Linau_Series_A  Linggi_Family_A  Linggi_Series_A  Lintang_Series_A  Local_Aluvium_Complex_A  Lok_Yang_Series_A  Luasong_Series_A  Luba_Family_A  Luba_Series_A  Lubai_Series_A  Lubok_Itek_Series_A  Lubuk_Kiat_Series_A  Lubuk_Sendong_Series_A  Luk_Series_A  Lunas_Family_A  Lunas_Series_A  Lundang_Series_A  Lundu_Series_A  Lupar_Family_A  Lupar_Series_A  Madai_Family_A  Madai_Series_A  Mahat_Series_A  Mai_Series_A  Malang_Series_A  Malau_Family_A  Malau_Series_A  Mangkawagu_Family_A  Mangkawagu_Series_A  Mangkok_Series_A  Mantaki_Series_A  Marang_Series_A  Masai_Series_A  Masaum_Family_A  Masaum_Series_A  Matang_Series_A  Medang_Series_A  Melaka_Family_A  Melaka_Series_A  Melawi_Family_A  Melawi_Series_A  Meliau_Family_A  Meliau_Series_A  Melugu_Series_A  Mengalum_Family_A </p>
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		Mengalum_series_A Mensuli_Family_A Mensuli_Series_A Merang_Series_A Meranti_Series_A Merapok_Family_A Merapok_Series_A Merbok_Series_A Merchang_Family_A Merchang_Series_A Merit_Family_A Merit_Series_A Mersan_Series_A Mesilau_Family_A Mesilau_Series_A Metah_Family_A Metah_Series_A Miri_Family_A Miri_Series_A Miscellaneous_A Mollisols_A Moyan_Series_A Mukah_Family_A Mukah_Series_A Mukut_Family_A Mukut_Series_A Mulu_Family_A Mulu_Series_A Munchung_Family_A Munchung_Series_A Mundai_Series_A Musang_Series_A Nagor_Series_A Nam_Heng_Series_A Nami_Family_A Nami_Series_A Nangka_Family_A Nangka_Series_A Nangka_Series_A Napai_Series_A Nerang_Family_A Nerang_Series_A Nerelud_Series_A Nering_Series_A Nerus_Family_A Nerus_Series_A Nibong_Family_A Nibong_Series_A
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		<p> Nipis_Series_A  Nobusu_Series_A  Nonok_Series_A  Nunuyan_Family_A  Nunuyan_Series_A  Nyalau_Family_A  Nyalau_Series_A  Oxisols_A  Pachitan_Family_A  Pachitan_Series_A  Padang_Besar_Family_A  Padang_Besar_Series_A  Padawan_Series_A  Pagi_Series_A  Pak_Bong_Series_A  Pakan_Family_A  Pakan_Series_A  Paku_Series_A  Paliu_Family_A  Paliu_Series_A  Paloh_Family_A  Paloh_Series_A  Pandak_Series_A  Pangarangan_Family_A  Pangarangan_Series_A  Parit_Botak_Family_A  Parit_Botak_Series_A  Pasia_Family_A  Pasia_Series_A  Pasir_Putih_Series_A  Patang_Series_A  Patok_Series_A  Pauh_Series_A  Pedu_Family_A  Pedu_Series_A  Pegalan_Family_A  Pegalan_Series_A  Pelandok_Series_A  Pelepah_Series_A  Penaga_Family_A  Penaga_Series_A  Penambang_Series_A  Pendam_Series_A  Pengerang_Series_A  Penipah_Series_A  Penor_Series_A  Penuba_Series_A  Perepat_Family_A </p>
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		Perepat_Series_A Permatang_Family_A Permatang_Series_A Permatang_Timbul_Series_A Peyabong_Series_A Piandang_Series_A Piasau_Family_A Piasau_Series_A Pinianakan_Family_A Pinianakan_Series_A Pisau_Family_A Pisau_Series_A Plan_Series_A Pohoi_Series_A Pokok_Sena_Family_A Pokok_Sena_Series_A Prang_Series_A Punda_Series_A Quarry_Series_A Rajang_Family_A Rajang_Series_A Rambungan_Series_A Rampangi_Series_A Ramun_Series_A Rasang_Family_A Rasang_Series_A Rasau_Family_A Rasau_Series_A Rengam_Family_A Rengam_Series_A Resam_Series_A Rhu_Tapai_Family_A Rhu_Tapai_Series_A Riverine_Aluvium_Complex_A Rompin_Series_A Rotan_Family_A Rotan_Series_A Rudua_Family_A Rudua_series_A Rusila_Complex_A Sabrang_Series_A Sadok_Series_A Salleh_Series_A Samarahan_Series_A Sand_tailing_A Saratok_Family_A Saratok_Series_A Sarikei_Series_A
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		Sebako_Series_A Sebangan_Series_A Sebat_Series_A Sedaka_Family_A Sedaka_Series_A Sedong_Family_A Sedong_Series_A Sedu_Series_A Seduau_Family_A Seduau_Series_A Segamat_Family_A Segamat_Series_A Segari_Series_A Sekati_Series_A Selangor_Family_A Selangor_Series_A Selingkat_Family_A Selingkat_Series_A Sematan_Series_A Semeba_Family_A Semeba_Series_A Semera_Series_A Semilajau_Family_A Semilajau_Series_A Semonggok_Family_A Semonggok_Series_A Senai_Series_A Seneng_Family_A Seneng_Series_A Senggora_Series_A Sepayang_Series_A Serai_Family_A Serai_Series_A Serayan_Series_A Serdang_Family_A Serdang_Series_A Seremban_Series_A Serkam_Family_A Serkam_Series_A Serkat_A_Family_A Serkat_A_Series_A Serkat_Family_A Serkat_Series_A Serok_Series_A Serong_Family_A Serong_Series_A Setol_Family_A Setol_Series_A
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		Siar_Series_A Sibuga_Family_A Sibuga_Series_A Silad_Series_A Silantek_Series_A Silimponon_Family_A Silimponon_Series_A Sinsulod_Family_A Sinsulod_Series_A Sipit_Family_A Sipit_Series_A Sirik_Series_A Siru_Series_A Sitiawan_Family_A Sitiawan_Series_A Slime_tailing_A Sogomana_Series_A Spodosols_A Stass_Series_A Steepland_A Stoh_Series_A Stom_Series_A Subang_Family_A Subang_Series_A Sungai_Amin_Series_A Sungai_Buloh_Family_A Sungai_Buloh_Series_A Sungai_Mas_Series_A Table_Series_A Tai_Tak_Series_A Tamanong_Family_A Tamanong_Series_A Tambun_Family_A Tambun_Series_A Tampin_Series_A Tampoi_Series_A Tandak_Family_A Tandak_Series_A Tangga_Series_A Tanjong_Family_A Tanjong_Lipat_Family_A Tanjong_Lipat_Series_A Tanjong_Lita_Family_A Tanjong_Lita_Series_A Tanjong_Series_A Tasik_Family_A Tasik_Series_A Tatau_Family_A
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		Tatau_Series_A Tavy_Series_A Tawar_Series_A Tebengau_Series_A Tebok_Series_A Tebuan_Series_A Telaga_Family_A Telaga_Series_A Telaga_Series_A Telang_Series_A Telemong_Family_A Telemong_Series_A Telok_Buloh_Family_A Telok_Buloh_Series_A Telok_Family_A Telok_Series_A Telok_Series_A Tembaga_Family_A Tembaga_Series_A Tenggara_Series_A Tenghilan_Family_A Tenghilan_Series_A Tepus_Series_A Terap_Family_A Terap_Series_A Teras_Series_A Terbat_Series_A Termeloh_Series_A Tersat_Family_A Tersat_Series_A Tika_Family_A Tika_Series_A Timang_Series_A Timun_Family_A Timun_Series_A Tok_Yong_Series_A Tongkang_Series_A Triboh_Series_A Tualang_Series_A Tukau_Family_A Tukau_Series_A Tungau_Family_A Tungau_Series_A Tunggal_Series_A Ultisols_A Ulu_Dong_Series_A Ulu_Tiram_Family_A Ulu_Tiram_Series_A
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		<p>Umor_Family_A  Umor_Series_A  Usukan_Family_A  Usukan_Series_A  Valdor_Family_A  Valdor_Series_A  Vertisols_A  Weston_Family_A  Weston_Series_A  Yong_Peng_Family_A  Yong_Peng_Series_A</p> <p style="text-align: center;"><b>Special Use</b></p> <p>Aerial_PhotoGraph_Coverage_A  Aspect_Polygon_A  Digital_Surface_Model_Coverage_A  Digital_Terrain_Model_Coverage_A  Isobar_L  Isobar_of_Mean_Sea_Level_L  Isohume_L  Isohume_of_Average_Relative_Humidity_L  Isohyet_L  Isohyet_of_Daily_Rainfall_L  Isohyet_of_Monthly_Rainfall_L  Isoline_of_Average_Evaporation_L  Isoline_of_Daily_Total_Global_Solar_Radiation_L  Isoline_of_Evaporation_L  Isoline_of_Hourly_Total_Global_Solar_Radiation_L  Isoline_of_Total_Global_Solar_Radiation_L  Isotach_L  Isotach_of_Average_Wind_Speed_L  Isotach_of_Maximum_Wind_Speed_L  Isotherm_L  Isotherm_of_Average_Temperature_L  Isotherm_of_Maximum_Temperature_L  Isotherm_of_Minimum_Temperature_L  Mosaic_Coverage_A  Orthophoto_Coverage_A  Orthorectified_RADAR_Image_Coverage_A  Orthorectified_Satellite_Image_Coverage_A  Slope_Polygon_A</p> <p style="text-align: center;"><b>Transportation</b></p>
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		Bridge_A Bridge_L Bridge_P Bridge_Pier_P Cable_Car_Route_P Cable_Car_Station_A Causeway_A Causeway_L Cycle_Lane_A Cycle_Lane_Edge_L Inland_Port_A Inland_Port_P Interchange_A Interchange_P Kerb_L Kilometer_Post_P Lay_by_A Lay_by_P Motorcycle_Lane_A Motorcycle_Lane_Edge_L Motorcycle_Shelter_P Overhead_Crossing_L Overhead_Crossing_P Pedestrian_Crossing_L Pedestrian_Crossing_P Rail_Line_L Rail_Station_A Rail_Yard_A Railway_Gate_A Railway_Gate_P Rest_and_Service_Area_A Road_Brake_Failure_Area_A Road_Edge_L Road_Junction_A Road_Junction_P Road_L Road_Lane_A Road_Line_Edge_Marking_L Road_Line_Marking_L Road_Median_L Road_Noise_Barrier_L Road_Pavement_Marking_P Road_Slope_Drain_L Road_Slope_Protection_A Road_Slope_Protection_L Road_Surface_Physical_A Road_Traffic_Safety_Barrier_L Road_Traffic_Safety_Device_P
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		<p> Round_about_A  Round_about_P  Scupper_Drain_P  Slip_Road_A  Slip_Road_L  Subway_L  Subway_P  Toll_Plaza_A  Toll_Plaza_Complex_A  Toll_Plaza_P  Track_Edge_L  Track_L  Traffic_Light_P  Traffic_Sign_P  Tunnel_L  Tunnel_P  Turntable_P  Variable_Message_Sign_P  Water_Route_L  Weighting_Station_Complex_A </p> <p style="text-align: center;"><b>Utility</b></p> <p> Area_Station_A  Area_Station_P  Automated_Station_P  Bin_House_A  Bin_House_P  Broadcasting_Coverage_Area_A  Bunded_Storage_A  Bunded_Storage_P  Cabinet_P  Cellular_Radio_Base_Station_A  Cellular_Radio_Base_Station_P  Chlorine_Booster_Station_P  City_Gate_Station_A  City_Gate_Station_P  Climatological_Station_P  Closed_Circuit_Television_P  Collection_Route_L  Distribution_Point_P  District_Station_A  District_Station_P  Duct_Way_L  Electricity_Cable_Depth_P  Electricity_Cable_Marker_P  Electricity_Manhole_P  Electricity_Traffic_Light_Sensor_Cable_P </p>
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		Emergency_Telephone_P Exchange_Building_A Exchange_Building_P Feeder_Pillar_P Fibre_Distribution_Frame_P Fibre_Optic_Cable_L Fire_Hydrant_P Gas_Meter_P Gas_Pipe_Marker_P Gas_Pipeline_Depth Gas_Pipeline_L Gas_Tank_A Gas_Tank_P Gas_Valve_P Gas_Warning_Signboard_A Gas_Warning_Signboard_P Highmast_P Hill_Station_A Hill_Station_P Incineration_Plant_P Lamp_Pole_P Main_Distribution_Frame_P Meter_P Metering_Zone_A Metering_Zone_P Monitoring_Station_A Monitoring_Station_P Non_Revenue_Water_Control_Zone_A Non_Revenue_Water_Control_Zone_P Odoriser_Station_A Odoriser_Station_P Oil_Derrick_A Oil_Derrick_P Oil_Pipe_Marker_P Oil_Pipeline_Depth_P Oil_Pipeline_L Oil_Tank_A Oil_Tank_P Oil_Valve_P Phone_Booth_P Pier_Crossing_L Pole_P Power_Line_L Power_Station_A Power_Station_P Principal_Station_P Processing_Plant_A Processing_Plant_P
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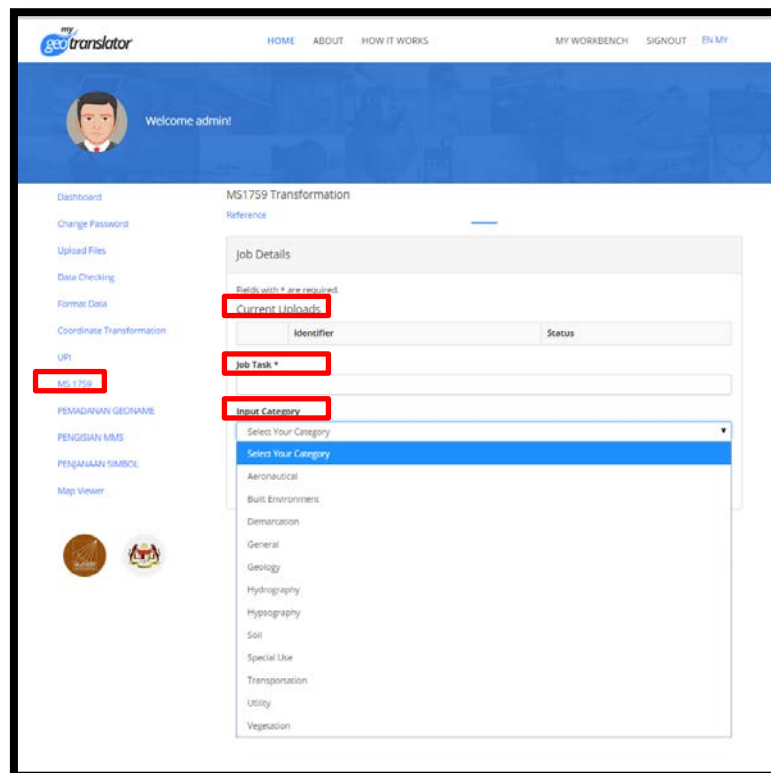
		Pump_House_A Pump_House_P Pylon_P Radio_Antenna_P Radio_Station_A Radio_Station_P Rainfall_Station_P Recycling_Centers_P Regulating_Station_A Regulating_Station_P Remote_Terminal_P Remote_Terminal_Unit_P Repeater_P Reservoir_P Reservoir_A River_Gate_P Secured_Landfill_A Secured_Landfill_P Service_Station_A Service_Station_P Sewerage_Manhole_P Sewerage_Pipe_L Sewerage_Pipeline_Depth_P Sewerage_Pump_Station_A Sewerage_Pump_Station_P Sewerage_Transition_Device_P Sewerage_Treatment_Plant_A Sewerage_Treatment_Plant_P Station_VSAT_Station_A Station_VSAT_Station_P Street_Light_P Substation_Switching_Station_A Substation_Switching_Station_P Supply_Zone_A Tap_Block_P Telecom_Cable_Depth_P Telecom_Cable_L Telecommunication_Manhole_P Telecommunication_Tower_P Telecommunication_Tunnel_L Telephone_Exchange_Switch_P Television_Station_A Television_Station_P Transfer_Haulage_Network_L Transfer_Station_P Transmission_Station_A Transmission_Station_P Transmitter_Receiver_P
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		<p> Transportation_Route_L  Underpass_Lighting_P  Waste_Treatment_Plant_P  Water_Intakes_P  Water_Meter_P  Water_Pipe_L  Water_Pipeline_Depth_P  Water_Pump_L  Water_Pump_P  Water_Quality_Monitoring_System_P  Water_Supply_Manhole_A  Water_Supply_Manhole_P  Water_Tank_A  Water_Tank_P  Water_Treatment_Plant_A  Water_Treatment_Plant_P  Water_Tunnel_L  Water_Valve_P </p> <p style="text-align: center;"><b>Vegetation</b></p> <p> Acacia_A  Agriculture_A  Agro_Forestry_A  Annual_Crops_A  Areca_Palm_A  Bamboo_A  Banana_A  Barren_Land_A  Beach_Forest_A  Cempedak_A  Ciku_A  Cleared_Land_A  Coastal_Hill_Forest_A  Cocoa_A  Coconut_A  Coffee_A  Corn_Maize_A  Disturbed_Land_A  Dryland_Forest_Kerangas_A  Duku_Langsat_Dokong_A  Durian_A  Eucalyptus_A  Fibre_Crops_A  Forest_A  Freshwater_Swamp_Forest_A  Grass_A  Guava_A </p>
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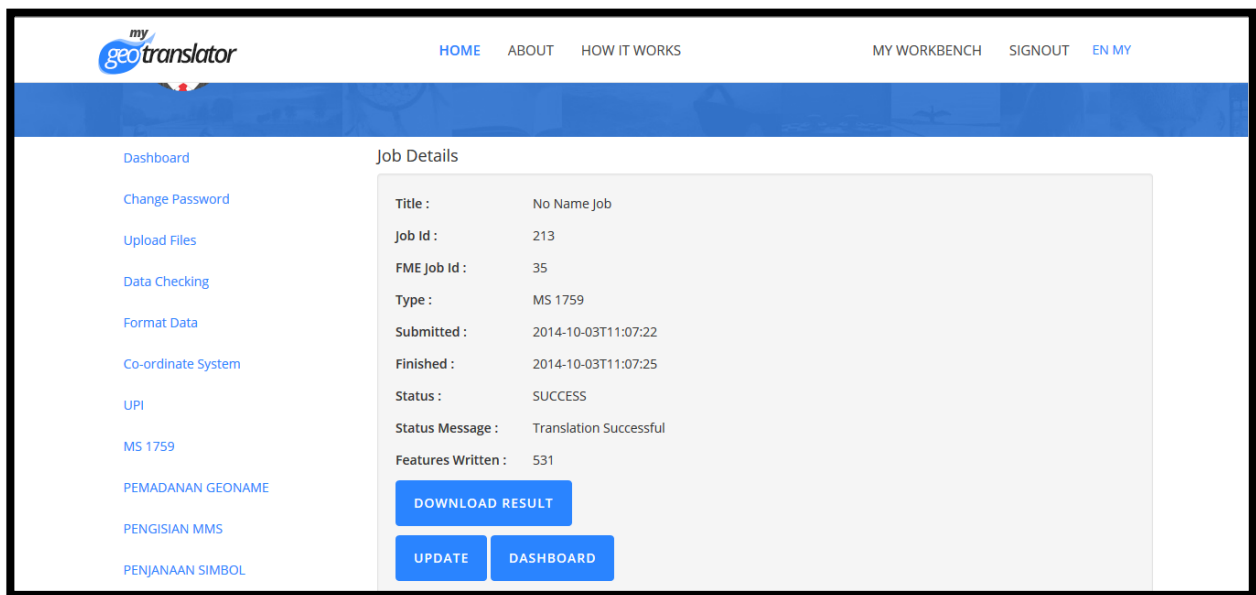
		Heath_Forest_A Herbs_A Hevea_A Hill_Dipterocarp_Forest_A Jackfruit_A Jatropha_A Karas_A Kelampayan_A Kenaf_A Lime_A Limestone_Forest_A Longan_A Lower_Montane_Forest_A Lowland_Dipterocarp_Forest_A Mandarin_A Mango_A Mangosteen_A Mangrove_Forest_A Miscellaneous_Vegetation_A Mix_Traditional_Farming_A Mixed_A Mixed_Annual_Crops_A Mixed_Fruit_Crops_A Mixed_Perennial_Crops_A Nipah_A Oil_Palm_A Ornamental_Plant_A Other_Annual_Crops_A Other_Fruit_Crops_A Others_A Paddy_A Papaya_A Peat_Swamp_Forest_A Pepper_A Perennials_Crops_A Pine_A Pineapple_A Pitaya_A Planted_Forest_A Pomelo_A Pulasan_A Quartz_Forest_A Rambutan_A Riparian_Forest_A Riung_A Rose_Apple_A Rubber_A Rumbia_A
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	<p>Salak_A  Screw_Pine_Mengkuang_A  Scrub_A  Sentang_A  Soursop_A  Starfruit_A  Sub_Alpine_Forest_A  Sugarcane_A  Sugarcane_hybrid_A  Tea_A  Teak_A  Tobacco_A  Tuber_Crop_A  Ultramafic_Forest_A  Upper_Hill_Dipterocarp_Forest_A  Upper_Montane_Forest_A  Vegetables_A  Vegetation_A  Watermelon_A  Wetland_Forest_A</p>
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5.5 Click on MS1759. Select the file. Give the Job Task and select the category of MS1759.



## 5.6 Click submit job and download data after finish.



The screenshot displays the 'mygeotranslator' web interface. The top navigation bar includes links for HOME, ABOUT, HOW IT WORKS, MY WORKBENCH, SIGNOUT, and EN MY. The left sidebar contains a menu with options: Dashboard, Change Password, Upload Files, Data Checking, Format Data, Co-ordinate System, UPI, MS 1759, PEMADANAN GEONAME, PENGISIAN MMS, and PENJANAAN SIMBOL. The main content area is titled 'Job Details' and shows the following information:

Title :	No Name Job
Job Id :	213
FME Job Id :	35
Type :	MS 1759
Submitted :	2014-10-03T11:07:22
Finished :	2014-10-03T11:07:25
Status :	SUCCESS
Status Message :	Translation Successful
Features Written :	531

Below the job details, there are three buttons: 'DOWNLOAD RESULT', 'UPDATE', and 'DASHBOARD'.

## 6.0 Modul Pemaparan Geoname

6.1 Sign up in system → Got Approval from Admin System.

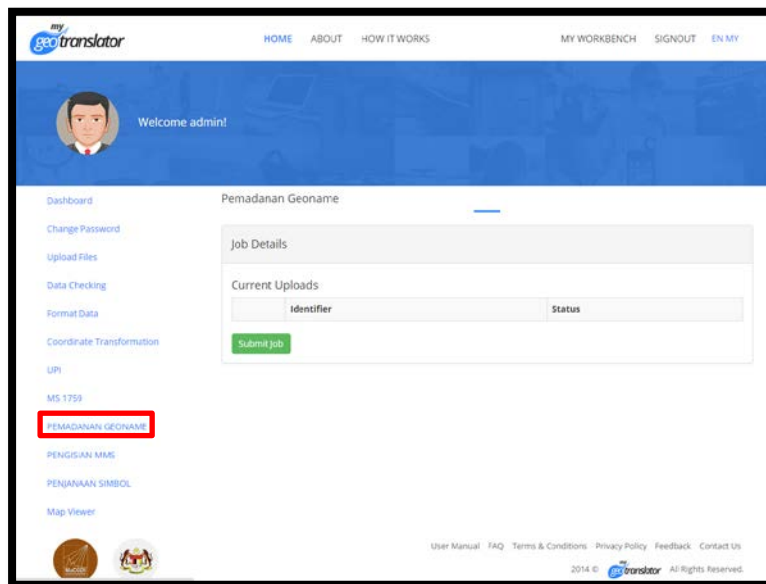
6.2 Login system

6.3 Upload File (Data)

6.4 Do Data Checking. Rules as Below

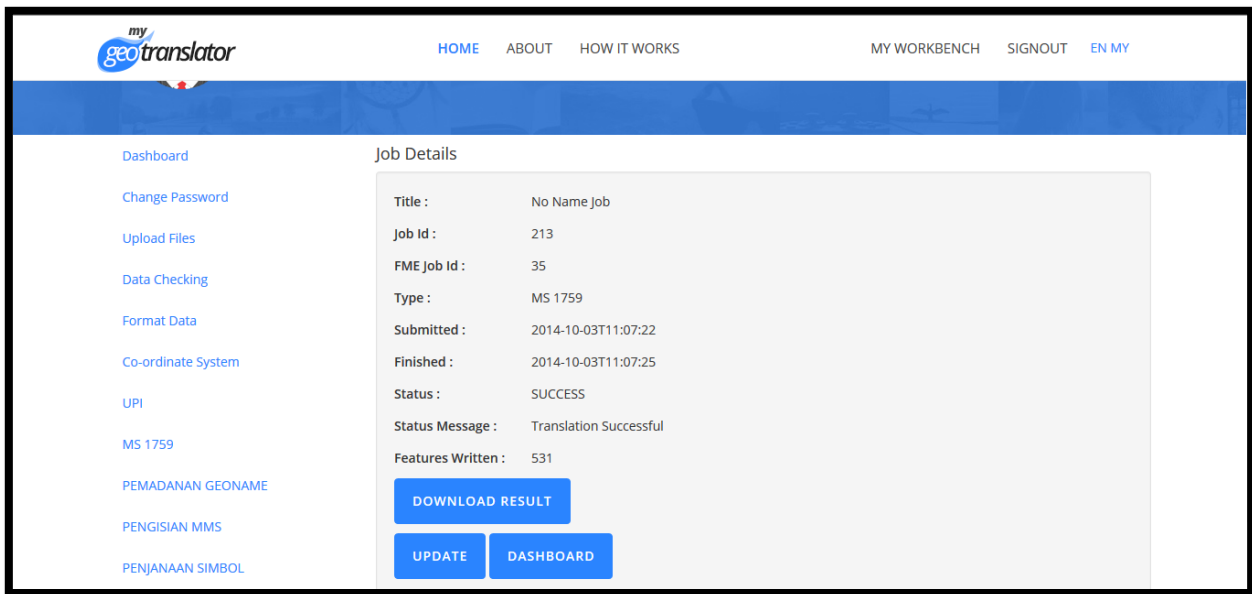
Bil	Modul/submodul	Condition/Rules
1.	Upload Data	<ul style="list-style-type: none"> <li>i. Restrict Size on each File.</li> <li>ii. <b>Must be a Shapfile (.shp)</b></li> </ul>
2.	Data Checking	<ul style="list-style-type: none"> <li>i. Check if the uploaded files are readable.</li> <li>ii. Check if atleast one Feature is present in the input.</li> </ul>
3.	Pemadanan Geoname	<ul style="list-style-type: none"> <li>i. <b>Should have Attributes : NAMA, NEGERI, MUKIM.</b></li> <li>ii. No File Name/Feature Type restrictions.</li> <li>iii. Must have at least one Feature. Else no output is produced.</li> </ul>

6.5 Click on Pemadanan Geoname. Select the data (Current Upload) then Submit Job.





## 6.6 After Click submit job then download data after finish.



The screenshot displays the 'mygeotranslator' web interface. The top navigation bar includes links for HOME, ABOUT, HOW IT WORKS, MY WORKBENCH, SIGNOUT, and EN MY. The left sidebar contains a list of menu items: Dashboard, Change Password, Upload Files, Data Checking, Format Data, Co-ordinate System, UPI, MS 1759, PEMADANAN GEONAME, PENGISIAN MMS, and PENJANAAN SIMBOL. The main content area is titled 'Job Details' and shows the following information:

Title :	No Name Job
Job Id :	213
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Type :	MS 1759
Submitted :	2014-10-03T11:07:22
Finished :	2014-10-03T11:07:25
Status :	SUCCESS
Status Message :	Translation Successful
Features Written :	531

Below the job details, there are three buttons: 'DOWNLOAD RESULT', 'UPDATE', and 'DASHBOARD'.

## 7.0 Modul Pengisian MMS

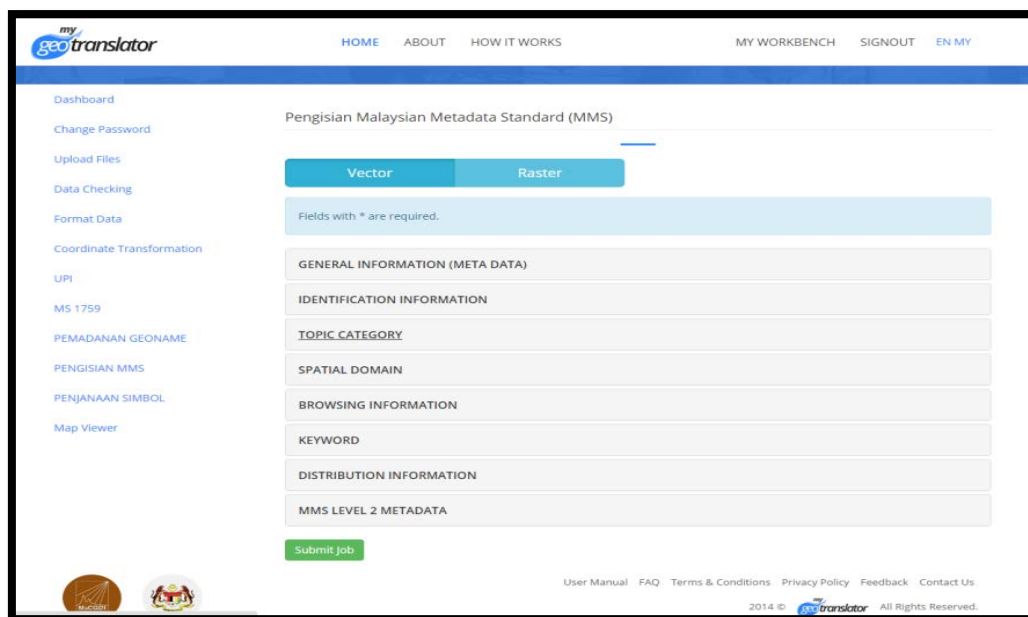
7.1 Sign up in system → Got Approval from Admin System.

7.2 Login system

7.3 Fill in the MMS Form either for Vector or Raster

7.4 For Vector it has eight (8) main items need to be filling. That's are;

- i. General Information (Metadata)
- ii. Identification Information
- iii. Topic Category
- iv. Spatial Domain
- v. Browsing Information
- vi. Keyword
- vii. Distribution Information
- viii. MMS Level 2 Metadata



The screenshot displays the 'mygeotranslator' web application interface. The main content area is titled 'Pengisian Malaysian Metadata Standard (MMS)'. Below the title, there are two tabs: 'Vector' (selected) and 'Raster'. A light blue banner indicates 'Fields with \* are required.' Below this, there are eight input fields, each with a title: 'GENERAL INFORMATION (META DATA)', 'IDENTIFICATION INFORMATION', 'TOPIC CATEGORY', 'SPATIAL DOMAIN', 'BROWSING INFORMATION', 'KEYWORD', 'DISTRIBUTION INFORMATION', and 'MMS LEVEL 2 METADATA'. A green 'Submit Job' button is located at the bottom of the form. The left sidebar contains a navigation menu with items like 'Dashboard', 'Change Password', 'Upload Files', etc. The footer includes 'User Manual', 'FAQ', 'Terms & Conditions', 'Privacy Policy', 'Feedback', 'Contact Us', and '2014 © mygeotranslator All Rights Reserved.'

7.5 For Raster it has nine (9) main items need to be filling. That's are;

- i. General Information (Metadata)
- ii. Identification Information
- iii. Topic Category
- iv. Spatial Domain
- v. Raster Data
- vi. Browsing Information
- vii. Keyword
- viii. Distribution Information
- ix. MMS Level 2 Metadata

The screenshot displays the 'mygeotranslator' web application interface. The main heading is 'PENGISIAN Malaysian Metadata Standard (MMS)'. Below this, there are two tabs: 'Vector' and 'Raster', with 'Raster' being the active tab. A message states 'Fields with \* are required.' Below this, there is a vertical list of nine metadata categories: GENERAL INFORMATION (META DATA), IDENTIFICATION INFORMATION, TOPIC CATEGORY, SPATIAL DOMAIN, RASTER DATA, BROWSING INFORMATION, KEYWORD, DISTRIBUTION INFORMATION, and MMS LEVEL 2 METADATA. A green 'Submit job' button is located at the bottom of the form. The left sidebar contains navigation links such as 'Dashboard', 'Change Password', 'Upload Files', 'Data Checking', 'Format Data', 'Coordinate Transformation', 'UPI', 'MS 1759', 'PEMADANAN GEONAME', 'PENGISIAN MMS', 'PENJANAAN SIMBOL', and 'Map Viewer'. The footer includes 'User Manual', 'FAQ', 'Terms & Conditions', 'Privacy Policy', 'Feedback', 'Contact Us', '2014 © mygeotranslator All Rights Reserved.', and the mygeotranslator logo.

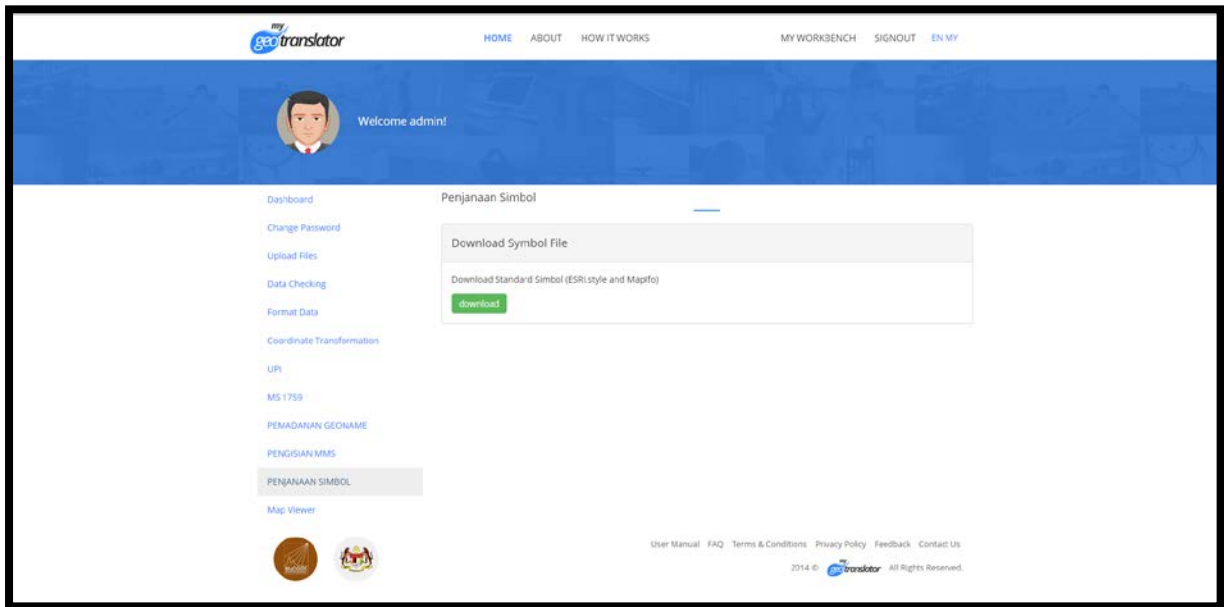
7.6 After done click on submit job. Then the XML file can be download.

## 8.0 Submodul Penjanaan Simbol

8.1 Sign up in system → Got Approval from Admin System.

8.2 Login system

8.3 Click on Penjanaan Simbol then click on Download button to download the standard Symbol for using in ArcGIS and Mapinfo.



## 9.0 Modul Spatial Map Viewer

9.1 Sign up in system → Got Approval from Admin System.

9.2 Login system

9.3 Click on Map Viewer then click on Add Shapefile button (data shapefile must be in .zip and have .prj file)

