

ontario-canada

@echo off

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rem -----  
rem --- CreateIMG.bat - By Marco Certelli - Beta07 ---  
rem -----
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rem **** Define your default country ****

set country=ontario-latest

rem *****

rem Available styles: drivemap, kleineisel, masterstyle, default, marine,
noname, test
set style=drivemap

rem Available TYPfiles: DRIVEMAP.TYP, KLEINEISEL.TYP, MASTER.TYP, TEDDY.TYP,
DOM.TYP
set typfile=wideaou2w.TYP

rem Put AddTypToIMG=yes to add TYPfile to gmapsupp.img (so it is active in
garmin too)
set AddTypToIMG=yes

rem MapSource Family-ID: must be a unique (in mapsource) 3 digit number (000 to
999)
set FID=300

rem MSDir shall contain the "existing" directory where mapsource installs maps
rem Next usually results in MSDir=C:\\Garmin
set MSDir=%systemdrive%\\Garmin

rem Next usually results in MSDir=C:\\Program Files\\Garmin
rem set MSDir=%ProgramFiles%
rem set MSDir=%MSDir:\\=\\%
rem set MSDir=%MSDir%\\Garmin

rem Available continents: europe, africa, asia, north-america, south-america
set continent=

rem Just leave debug=no for production & to delete intermediate temporary files.
set debug=no

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echo.  
echo *****  
echo * This script downloads (if needed) and compiles the *  
echo * OSM map data to generate a Garmin IMG routable map *  
echo *****  
echo.
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rem Override default country if a name is given to the batch as parameter
if "%1" NEQ "" set country=%1

rem Ask user for a country name if no default and no parameter is set
if "%country%" NEQ "" goto :Search4Map
set /P country="Enter the country to build: "
echo.

:Search4Map

if NOT EXIST OSM-Data mkdir OSM-Data
cd OSM-Data

rem 1) search for xxx.osm file
rem set osmfile=%country%.osm
rem if EXIST %osmfile% echo File OSM-Data\\%osmfile% found (no download
required)

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rem if EXIST %osmfile% GOTO :SplitMap

rem 2) search for xxx.osm.bz2 file
set osmfile=%country%.osm.bz2
if EXIST %osmfile% echo File OSM-Data\%osmfile% found: delete it for a new
download
if EXIST %osmfile% GOTO :SplitMap

rem 3) search for xxx.osm.pbf file
rem set osmfile=%country%.osm.pbf
rem if EXIST %osmfile% echo File OSM-Data\%osmfile% found: delete it for a new
download
rem if EXIST %osmfile% GOTO :SplitMap

echo.
echo Downloading OSM data for %country%
echo.

..\bin\wget http://download.geofabrik.de/openstreetmap/%continent%/osmfile%

if EXIST %osmfile% goto :SplitMap
echo.
echo *****
echo *** SORRY: download of /%continent%/osmfile% has FAILED!!!
echo *** Check at http://download.geofabrik.de/osm/%continent%/
echo *** and manually download %osmfile%
echo *****
echo.
goto :END

:SplitMap

echo.
echo Start converting %country% OSM data into IMG Map...

if NOT EXIST ..\IMG-OSM-%country% mkdir ..\IMG-OSM-%country%
cd ..\IMG-OSM-%country%

if EXIST template.args goto :Compile

echo.
echo Splitting OSM-Data\%osmfile%. Please wait
echo.

rem start /low /b /wait java -enableassertions -Xmx1000m -jar
..\bin\splitter.jar --mapid=66%FID%001 --max-nodes=1000000 ..\OSM-Data\%osmfile%

rem start /low /b /wait java -enableassertions -Xmx1250m -jar
..\bin\splitter.jar --mapid=66%FID%001 --output=xml ..\OSM-Data\%osmfile%

start /low /b /wait java -enableassertions -Xmx700m -jar ..\bin\splitter.jar
--mapid=66%FID%001 ..\OSM-Data\%osmfile% --output=o5m --max-nodes=90000
--max-areas=100

echo.
echo Compiling OSM-Data\%osmfile% into IMG, FID=%FID%. Please wait
echo.

set TypFileToAdd=
if "%AddTypToIMG%" NEQ "yes" goto :NoTypToAdd
copy "..\bin\typ\%typfile%" style.typ 2>nul 1>nul
..\bin\TYPtool %FID% 1 style.typ >nul
set TypFileToAdd=style.typ

:NoTypToAdd

rem start /low /b /wait java -enableassertions -Xmx1000m -jar ..\bin\mkgmap.jar

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--country-name="%country%" --family-id=%FID% --mapname=66%FID%001
--overview-mapname=66%FID%000 --series-name="OSM-%country%"
--family-name="OpenStreetMap: %country%" --style-file=..\bin\styles\
--style=%style% --description="%country%" -c ..\bin\template_basic.args -c
template.args %TypFileToAdd%
start /low /b /wait java -enableassertions -Xmx500m -jar ..\bin\mkgmap.jar
--add-pois-to-areas --pois-to-areas-placement=tagelist --add-pois-to-lines
--tdbfile --transparent --make-poi-index --reduce-point-density=2.6
--reduce-point-density-polygon=8 --index
--levels=0:24,1:22,2:20,3:18,4:16,5:14 --make-poi-index --verbose --route
--country-name="%country%" --family-id=%FID% --mapname=66%FID%001
--overview-mapname=66%FID%000 --series-name="OSM-%country%"
--family-name="OpenStreetMap: %country%" --style-file=..\bin\styles\
--style=%style% --description="%country%" -c ..\bin\template_basic.args -c
template.args %TypFileToAdd%

if EXIST 66%FID%001.img goto :Cleanup
echo.
echo *****
echo *** SORRY: IMG compiling task has FAILED!!! ***
echo *****
echo.
goto :END

:Cleanup

if "%debug%" NEQ "no" goto :MSPrepare
del *.gz 2>nul
del *.pbf 2>nul
del areas.list 2>nul
del template.args 2>nul

if EXIST %MSDir% goto :MSPrepare
echo.
echo MapSource Install files not prepared ("%MSDir%" not existing)
goto :END

:MSPrepare

echo.
echo Preparing MapSource Install (.reg)
echo.

copy ..\bin\typ\%typfile% style.typ 2>nul 1>nul

rem preparing MapSource installer registry

echo Windows Registry Editor Version 5.00 > IMG-OSM-%country%_MSInstall.reg
echo. >> IMG-OSM-%country%_MSInstall.reg

echo [HKEY_LOCAL_MACHINE\SOFTWARE\Garmin\Mapsource\Families\IMG-OSM-%country%]
>> IMG-OSM-%country%_MSInstall.reg
rem TYPTool <family_id> <product_id> <stylefile>
..\bin\TYPTool %FID% 1 style.typ >> IMG-OSM-%country%_MSInstall.reg
if EXIST style.typ echo "TYP"="%MSDir%\IMG-OSM-%country%\style.typ" >>
IMG-OSM-%country%_MSInstall.reg
echo. >> IMG-OSM-%country%_MSInstall.reg

echo [HKEY_LOCAL_MACHINE\SOFTWARE\Garmin\Mapsource\Families\IMG-OSM-%country%\1]
>> IMG-OSM-%country%_MSInstall.reg
echo "BMAP"="%MSDir%\IMG-OSM-%country%\66%FID%000.img" >>
IMG-OSM-%country%_MSInstall.reg
echo "LOC"="%MSDir%\IMG-OSM-%country%" >> IMG-OSM-%country%_MSInstall.reg
echo "TDB"="%MSDir%\IMG-OSM-%country%\66%FID%000.tdb" >>
IMG-OSM-%country%_MSInstall.reg

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rem preparing un-installer registry

echo Windows Registry Editor Version 5.00 > IMG-OSM-%country%_MSUnInstall.reg
echo. >> IMG-OSM-%country%_MSUnInstall.reg

echo [-HKEY_LOCAL_MACHINE\SOFTWARE\Garmin\Mapsource\Families\IMG-OSM-%country%]
>> IMG-OSM-%country%_MSUnInstall.reg

:END

cd..

echo.
echo *****
echo *** CreateIMG Script End - Press any key ***
echo *****

if "%1" EQU "" pause >nul