

Utility for Mapping of SOI Map series to Open Map Series

The screenshot shows a web application window titled "UTILITY FOR MAPPING OF SOI MAP SERIES TO OPEN SERIES MAPS". The interface includes three radio button options: "OLD-TO-OSM", "OSM-TO-OLD", and "Lat/Long-To-Topo Sheet". Below these are input fields for "Enter Long" (with values 68, 00, 00) and "Enter Lat" (with values 04, 00, 00). A prominent green "Convert" button is centered below the input fields. At the bottom, there are links for "www.nrsc.gov.in", "Help & Disclaimer", and "www.bhuvan.nrsc.gov.in", along with a disclaimer: "This is a beta version for user evaluation and feedback".

UTILITY FOR MAPPING OF SOI MAP SERIES TO OPEN SERIES MAPS

OLD-TO-OSM

OSM-TO-OLD

Lat/Long-To-Topo Sheet

Enter Long 68 00 00

Enter Lat 04 00 00

Convert

www.nrsc.gov.in [Help & Disclaimer](#) www.bhuvan.nrsc.gov.in

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Introduction

Topographical Maps –

These were printed by Survey of India on 1:250,000 ; 1:50,000 and 1:25,000 scales. Technically they were based on Everest Datum and Polyconic Projection. But, since National Mapping Policy - 2005 has been implemented (May 19, 2005) in survey of India department the production of fresh topographical maps has been stopped. Till date target of 100% OSM sheets printing has not been achieved so these maps are still available in survey of India map sale counters.

Open Series Maps (OSM) – These are prepared on 1:250,000; 1:50,000 and 1:25,000 scales for the use of general public/civilians for supporting development activities in the country. Technically maps of this series are based on WGS-84 Datum and UTM Projection. They do not contain grid and classified information; therefore, they are kept under unrestricted category. They can be obtained from all map sale centre and other authorized agents deputed all over the country. Few sheets are also printed in Hindi and other regional languages.

Background on Software Utility

This software utility is developed for the users to know following relationship between old mapsheets, OSMs and latitude and longitude

Hardware and software requirements:

Desktop computer with minimum 1 GB RAM with preinstalled JRE (Java SE 8, Build 1.8.0_65 or higher). Java JRE can be downloaded and installed from Oracle website. As it is built on Java environment it is independent of operating system.

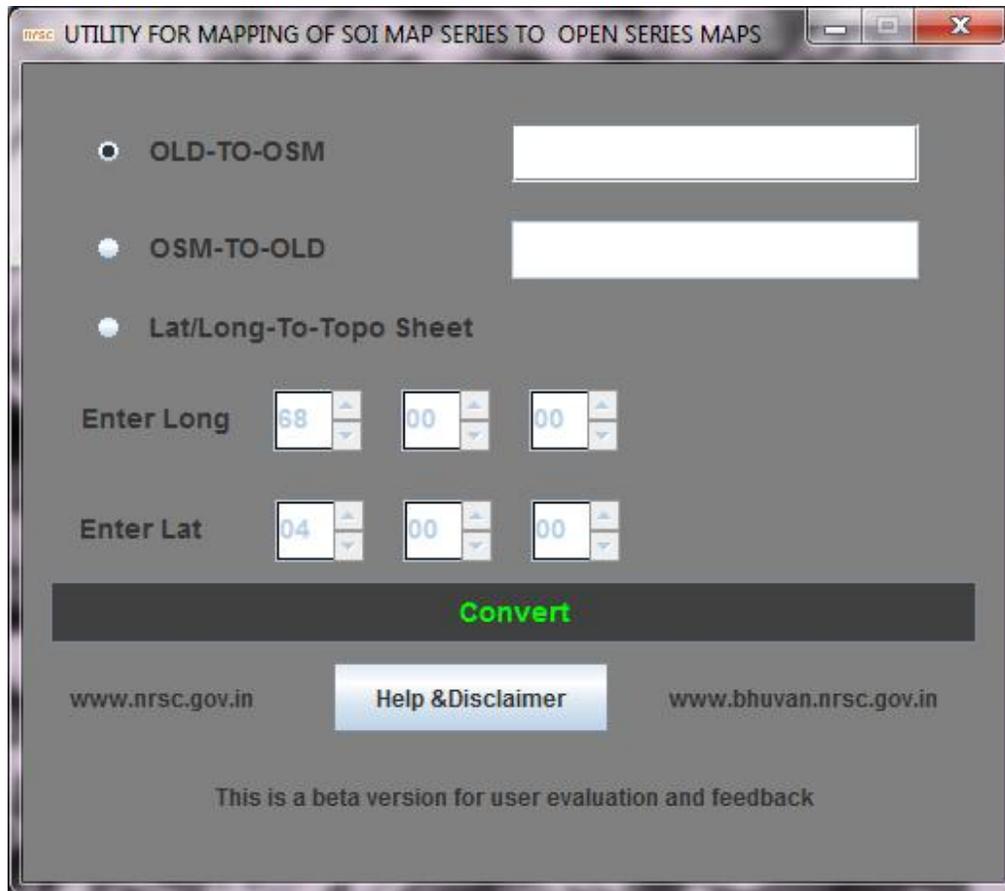
Input and Output requirement:

Input:

- Case 1: old toposheet name
- Case 2: Open Series Map name
- Case 3: Lat/Lon

Output

- Case 1: Open Series Map name
- Case 2: old toposheet name
- Case 3: Open Series Map name && old toposheet name



ABOUT UTILITY

The utility is developed for allowing a user to convert conventional topographic sheet name to new Open Series Maps names and from lat/long to both the sheets names. This software is written in java 1.8 version and it is platform independent

PROCEDURE

The Toposheet Conversion utility has a graphical user interface (GUI) which uses Java Swing technology. The main purpose of the utility is to assist users in relating OSM toposheets to old toposheets

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2. This software utility is implemented based on Mapwindows .NET controls.
3. This software can be used for displaying Raster and to a limited extent Vector Layers.
4. The software is a Beta version for user evaluation and feedback.