



## NOTICE: NCAT new version release

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# NGS News

## NGS releases new version: NCAT 2.1


The NGS Coordinate Conversion and Transformation Tool is a one-stop solution for coordinate conversion and transformation. **NCAT** revamps and modernizes the Geodetic Toolkit. It allows users to easily convert between different coordinate systems and/or transform between different reference frames and/or datums, in a single step. NCAT incorporates the capabilities of many NGS computer programs, which originally were stand-alone products, such as VERTCON and NADCON.

NCAT conversions and transformations can be done interactively using single or multi-point conversions directly on the NCAT page. NCAT is also available as a download or [an API](#) (application programming interface).

### ***Version 2.1 adds:***

- an option to specify units for heights,
- an option to customize data exported,
- more FAQs, and
- a link to the source code on github.

Video [tutorials](#) and in-depth [Frequently Asked Questions](#) lists are available online for surveyors and geodesists new to the software.



**NGS Coordinate Conversion and Transformation Tool (NCAT)**  
National Geodetic Survey

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Convert/Transform from:
  Horizontal
  Horizontal+height
  XYZ

Select the type of horizontal coordinate:
  Geodetic lat-long
  SPC
  UTM
  USNG



**UNITED STATES**

Map labels: Hastings, Nebraska, Hays, Salina, Kansas, Dodge City, Leaflet | Sources

**Submit**

*Enter lat-lon in decimal degrees*

Lat:

Lon:

*or degrees-minutes-seconds*

Lat:

Lon:

*or drag map marker to a location of interest*

Input reference frame (historically called 'horizontal datum'):

Output reference frame (historically called 'horizontal datum'):

Don't see a reference frame in the list? [Click here to learn more.](#)

SPC zone:

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