

§ 102-1.1. Name and description in relation to 1983 North American Datum.

From and after the date and time the North Carolina Geodetic Survey Section in the Division of Emergency Management of the Department of Public Safety receives from the National Geodetic Survey, official notice of a complete, published definition of the North American Datum of 1983 including the State plane coordinate constants applicable to North Carolina, the official survey base for North Carolina shall be a system of plane coordinates to be known as the "North Carolina Coordinate System of 1983," said system being defined as a Lambert conformal projection of the "Geodetic Reference System (GRS 80 Ellipsoid)" having a central meridian of $79^{\circ} - 00'$ west from Greenwich and standard parallels of latitude of $34^{\circ} - 20'$ and $36^{\circ} - 10'$ north of the equator, along which parallels the scale shall be exact. All coordinates of the system are expressed in metres, the x coordinate being measured easterly along the grid and the y coordinate being measured northerly along the grid. The U.S. Survey Foot, 1 meter = 39.37 inches or 3.2808333333 feet, shall be used as a conversion factor. The origin of the coordinates is hereby established on the meridian $79^{\circ} - 00'$ west from Greenwich at the intersection of the parallels $33^{\circ} - 45'$ north latitude, such origin being given the coordinates $x = 609,601.22$ metres, $y = 0$ metres. The precise position of said system shall be as marked on the ground by triangulation or traverse stations or monuments established in conformity with the standards adopted by the National Geodetic Survey for first- and second-order work, whose geodetic positions have been rigidly adjusted on the North American Datum of 1983, and whose plane coordinates have been computed on the system defined. Whenever plane coordinates are used in the description or identification of surface area or location within this State, the coordinates shall be identified as "NAD 83", indicating North American Datum of 1983, or as "NAD 27", indicating North American Datum of 1927. (1979, c. 4; 1987, c. 148; 1989, c. 727, s. 218(33); 1997-443, s. 11A.119(a); 2005-386, s. 1.2; 2012-142, s. 12.4(b).)