



NOTICE OF PROPOSED RULEMAKING INCLUDING STATEMENT OF NEED & FISCAL IMPACT

CHAPTER 734
DEPARTMENT OF TRANSPORTATION
DELIVERY AND OPERATIONS DIVISION

FILED

10/23/2025 12:02 PM
ARCHIVES DIVISION
SECRETARY OF STATE

FILING CAPTION: Addition of OCRS2022, 1983 to current OCRS and Oregon Lambert zone to OCRS1983

LAST DAY AND TIME TO OFFER COMMENT TO AGENCY: 11/21/2025 5:00 PM

The Agency requests public comment on whether other options should be considered for achieving the rule's substantive goals while reducing negative economic impact of the rule on business.

A public rulemaking hearing may be requested in writing by 10 or more people, or by a group with 10 or more members, within 21 days following the publication of the Notice of Proposed Rulemaking in the Oregon Bulletin or 28 days from the date the Notice was sent to people on the agency mailing list, whichever is later. If sufficient hearing requests are received, the notice of the date and time of the rulemaking hearing must be published in the Oregon Bulletin at least 14 days before the hearing.

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NEED FOR THE RULE(S)

In 2011 the Oregon Transportation Commission adopted new OARs 734-005-0005, 734-005-0010 and 734-005-0015 defining the Oregon Coordinate Systems as authorized by 2011 Senate Bill 877. The rules were filed with the Secretary of State on December 22, 2011, and became effective on January 1, 2012. This amendment adds to said OARs the following: Oregon Lambert zone to the current OCRS, 1983 to the current Oregon Coordinate Reference System making it OCRS 1983 and the Oregon Coordinate Reference System (OCRS) 2022, consisting of 1 state wide zone and 39 low distortion projections, based on the new National Spatial Reference System (NSRS) North American Terrestrial Reference Frame 2022 (NATRF2022). The National Geodetic Survey (NGS) is changing from the current NSRS of NAD83 2011 epoch 2010.00 to NATRF2022 (expected early 2026). The coordinates systems currently defined in OARs 734-005-0005, 734-005-0010 and 734-005-0015 will not work with the new NSRS (NATRF2022), so OCRS 2022 must be adopted.

DOCUMENTS RELIED UPON, AND WHERE THEY ARE AVAILABLE

State Plane Coordinate System of 2022 (SPCS2022) - <https://beta.ngs.noaa.gov/SPCS/>

Enrolled SB 877 - <https://olis.oregonlegislature.gov/liz/2011R1/Downloads/MeasureDocument/SB877/A-Engrossed>

STATEMENT IDENTIFYING HOW ADOPTION OF RULE(S) WILL AFFECT RACIAL EQUITY IN THIS STATE

This rulemaking is not anticipated to affect racial equity within the state.

FISCAL AND ECONOMIC IMPACT:

High probability of lowering costs over time. See below.

COST OF COMPLIANCE:

(1) Identify any state agencies, units of local government, and members of the public likely to be economically affected by the rule(s). (2) Effect on Small Businesses: (a) Estimate the number and type of small businesses subject to the rule(s); (b) Describe the expected reporting, recordkeeping and administrative activities and cost required to comply with the rule(s); (c) Estimate the cost of professional services, equipment supplies, labor and increased administration required to comply with the rule(s).

(1) There will be no negative fiscal impact to state agencies or local governments, and on the contrary significant cost savings to survey, asset management, and the data migration from engineering to GIS is expected. This rule has no known financial impact on other agencies or business, including small business or members of the public.

(2)(a) No requirement for businesses to use and no costs associated if they do.

(2)(b) None.

(2)(c) None.

DESCRIBE HOW SMALL BUSINESSES WERE INVOLVED IN THE DEVELOPMENT OF THESE RULE(S):

The proposed rulemaking implements legislation enacted by the 2011 Legislative Assembly and has no impact on small businesses. For that reason, small businesses were not involved in this rulemaking.

WAS AN ADMINISTRATIVE RULE ADVISORY COMMITTEE CONSULTED? YES

RULES PROPOSED:

734-005-0005, 734-005-0010, 734-005-0015

AMEND: 734-005-0005

RULE SUMMARY: Add additional Coordinate zones to Oregon Coordinate Reference System (OCRS).

CHANGES TO RULE:

734-005-0005

Purpose-

The purpose of this administrative rule is to define the Oregon Coordinate System, consisting of three mapping projection coordinate systems that are authorized for use in the State of Oregon.

Statutory/Other Authority: ORS ~~184.616~~, 184.619, Ch.179 OL 2011

Statutes/Other Implemented: ORS 209.130, 209.155, 209.250, 390.770, Ch.179 OL 2011

AMEND: 734-005-0010

RULE SUMMARY: Addition of (a) OCRS 1983 and (b) OCRS 2022 to section (3). Addition of Oregon Lambert zone to OCRS 1983. Addition of the New OCRS 2022 Coordinates.

CHANGES TO RULE:

734-005-0010

Oregon Coordinate Systems-

(1) The Oregon State Plane Coordinate System of 1927 consists of two zones of mapping projections defined by the National Geodetic Survey of the National Ocean Service, one for the Oregon North Zone and one for the Oregon South Zone.¶

(2) The Oregon State Plane Coordinate System of 1983 consists of two zones of mapping projections defined by the National Geodetic Survey of the National Ocean Service, one for the Oregon North Zone and one for the Oregon South Zone.¶

(3) The Oregon Coordinate Reference System consists of multiple zones developed by an Oregon Department of Transportation committee of private and public land surveying, geographic information system, and academic professionals and National Geodetic Survey (NGS) to define a system of low distortion mapping projections wherein distances computed between points on the grid plane will represent the distances measured between the same points on the ground within published zone tolerances.¶

(a) OCRS 1983¶

(b) OCRS 2022

Statutory/Other Authority: ORS ~~184.616~~, 184.619, Ch.179 OL 2011

Statutes/Other Implemented: ORS 209.130, 209.155, 209.250, 390.770, Ch.179 OL 2011

AMEND: 734-005-0015

RULE SUMMARY: Addition of Oregon Lambert to OCRS 1983. Addition of new OCRS 2022 coordinates.

CHANGES TO RULE:

734-005-0015

Coordinate System Parameters-

(1) Oregon State Plane Coordinate System Of 1927¶

(a) North Zone:¶

(b) South Zone:¶

(2) Oregon State Plane Coordinate System Of 1983¶

(a) North Zone:¶

(b) South Zone:¶

(3) Oregon Coordinate Reference System Zones.¶

(a) OCRS1983¶

(A) Baker Zone:¶

(~~b~~B) Bend-Burns Zone: (former name: Bend-Vale Zone):¶

(~~c~~C) Bend-Klamath Falls Zone:¶

(~~d~~D) Bend-Redmond-Prineville Zone:¶

(~~e~~E) Burns-Harper Zone:¶

(~~f~~F) Canyon City-Burns Zone:¶

(~~g~~G) Canyonville-Grants Pass Zone:¶

(~~h~~H) Coast Range North Zone:¶

(~~i~~I) Columbia River East Zone:¶

(~~j~~J) Columbia River West Zone:¶

(~~k~~K) Cottage Grove-Canyonville Zone:¶

(L) Dayville-Prairie City Zone:¶

(~~m~~M) Denio-Burns Zone:¶

(~~n~~N) Dufur-Madras Zone:¶

(~~o~~O) Eugene Zone:¶

(~~p~~P) Grants Pass-Ashland Zone:¶

(~~q~~Q) Gresham-Warm Springs Zone:¶

(~~r~~R) Halfway Zone:¶

(~~s~~S) La Grande Zone:¶

(~~t~~T) Medford-Diamond Lake Zone:¶

(~~u~~U) Mitchell Zone:¶

(~~v~~V) North Central Zone:¶

(~~w~~W) Ochoco Summit Zone:¶

(~~x~~X) Ontario Zone:¶

(~~y~~Y) Oregon Coast Zone:¶

(~~z~~Z) Owyhee Zone:¶

(~~aa~~AA) Pendleton Zone:¶

(~~bb~~BB) Pendleton-La Grande Zone:¶

(~~cc~~CC) Pilot Rock-Ukiah Zone:¶

(~~dd~~DD) Portland Zone:¶

(~~ee~~EE) Prairie City-Brogan Zone:¶

(~~ff~~FF) Riley-Lakeview Zone:¶

(~~gg~~GG) Salem Zone:¶

(~~hh~~HH) Santiam Pass Zone (former name: Sweet Home-Sisters Zone):¶

(~~ii~~II) Siskiyou Pass Zone:¶

(~~jj~~JJ) Ukiah-Fox Zone:¶

(~~kk~~K) Wallowa Zone:¶

(~~ll~~KK) Wallowa Zone:¶

(LL) Warner Highway Zone:¶

(MM) Willamette Pass Zone:¶

(NN) Oregon Lambert Zone¶

(b) OCRS 2022¶

(A) Statewide 2022 Zone:¶

(B) Baker 2022 Zone:¶

(C) Bend-Burns 2022 Zone:¶
(D) Bend-Klamath Falls 2022 Zone:¶
(E) Bend-Redmond-Prineville 2022 Zone:¶
(F) Burns-Harper 2022 Zone:¶
(G) Canyon City-Burns 2022 Zone:¶
(H) Canyonville-Grants Pass 2022 Zone:¶
(I) Coast Range North 2022 Zone:¶
(J) Columbia River East 2022 Zone:¶
(K) Columbia River West 2022 Zone:¶
(L) Cottage Grove-Canyonville 2022 Zone:¶
(M) Dayville-Prairie City 2022 Zone:¶
(N) Denio-Burns 2022 Zone:¶
(O) Dufur-Madras 2022 Zone:¶
(P) Eugene 2022 Zone:¶
(Q) Grants Pass-Ashland 2022 Zone:¶
(R) Gresham-Warm Springs 2022 Zone:¶
(S) Halfway 2022 Zone:¶
(T) La Grande 2022 Zone:¶
(U) Medford-Diamond Lake 2022 Zone:¶
(V) Mitchell 2022 Zone:¶
(W) North Central 2022 Zone:¶
(X) Ochoco Summit 2022 Zone:¶
(Y) Ontario 2022 Zone:¶
(Z) Oregon Coast 2022 Zone:¶
(AA) Owyhee 2022 Zone:¶
(BB) Pendleton 2022 Zone:¶
(CC) Pendleton-La Grande 2022 Zone:¶
(DD) Pilot Rock-Ukiah 2022 Zone:¶
(EE) Portland 2022 Zone:¶
(FF) Prairie City-Brogan 2022 Zone:¶
(GG) Riley-Lakeview 2022 Zone:¶
(HH) Salem 2022 Zone:¶
(II) Santiam Pass 2022 Zone:¶
(JJ) Siskiyou Pass 2022 Zone:¶
(KK) Ukiah-Fox 2022 Zone:¶
(LL) Wallowa 2022 Zone:¶
(MM) Warner Highway 2022 Zone:¶
(mmNN) Willamette Pass 2022 Zone:

Statutory/Other Authority: ORS ~~184.616~~, 184.619, Ch.179 OL 2011

Statutes/Other Implemented: ORS 209.130, 209.155, 209.250, 390.770, Ch.179 OL 2011

RULE ATTACHMENTS MAY NOT SHOW CHANGES. PLEASE CONTACT AGENCY REGARDING CHANGES.

734-005-0015

Coordinate System Parameters

(1) Oregon State Plane Coordinate System Of 1927

(a) North Zone

North American Datum of 1927

Reference Ellipsoid: Clarke Spheroid of 1866

Projection: Lambert Conformal Conic (Two Standard Parallel - Secant)

Central Meridian: 120° 30' West

Latitude of Origin: 43° 40' North

Standard Parallel (South): 44° 20' North

Standard Parallel (North): 46° 00' North

False Northing: 0 US Survey Feet

False Easting: 2 000 000 US Survey Feet

One U.S. Survey foot = 1200/3937 meters exactly

County Coverage of North Zone:

The area included in the following counties on June 16, 1945, constitutes the north zone: Baker, Benton, Clackamas, Clatsop, Columbia, Gilliam, Grant, Hood River, Jefferson, Lincoln, Linn, Marion, Morrow, Multnomah, Polk, Sherman, Tillamook, Umatilla, Union, Wallowa, Wasco, Washington, Wheeler and Yamhill.

(b) South Zone

North American Datum of 1927

Reference Ellipsoid: Clarke Spheroid of 1866

Projection: Lambert Conformal Conic (Two Standard Parallel - Secant)

Central Meridian: 120° 30' West

Latitude of Origin: 41° 40' North

Standard Parallel (South): 42° 20' North

Standard Parallel (North): 44° 00' North

False Northing: 0 US Survey Feet

False Easting: 2 000 000 US Survey Feet

One U.S. Survey foot = 1200/3937 meters exactly

County Coverage of South Zone:

The area included in the following counties on June 16, 1945, constitutes the south zone: Coos, Crook, Curry, Deschutes, Douglas, Harney, Jackson, Josephine, Klamath, Lake, Lane and Malheur.

(2) Oregon State Plane Coordinate System Of 1983

(a) North Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Two Standard Parallel - Secant)

Central Meridian: 120° 30' West

Latitude of Origin: 43° 40' North
Standard Parallel (South): 44° 20' North
Standard Parallel (North): 46° 00' North
False Northing: 0.000 meters
False Easting: 2 500 000.000 meters

One International Foot = 0.3048 meters exactly

County Coverage of North Zone:

The area included in the following counties on June 16, 1945, constitutes the north zone: Baker, Benton, Clackamas, Clatsop, Columbia, Gilliam, Grant, Hood River, Jefferson, Lincoln, Linn, Marion, Morrow, Multnomah, Polk, Sherman, Tillamook, Umatilla, Union, Wallowa, Wasco, Washington, Wheeler and Yamhill.

(b) South Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Two Standard Parallel - Secant)

Central Meridian: 120° 30' West
Latitude of Origin: 41° 40' North
Standard Parallel (South): 42° 20' North
Standard Parallel (North): 44° 00' North
False Northing: 0.000 meters
False Easting: 1 500 000.000 meters

One International Foot = 0.3048 meters exactly

County Coverage of South Zone:

The area included in the following counties on June 16, 1945, constitutes the south zone: Coos, Crook, Curry, Deschutes, Douglas, Harney, Jackson, Josephine, Klamath, Lake, Lane and Malheur.

(3) Oregon Coordinate Reference System Zones

(a) OCRS 1983

(A) Baker Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°30'00" North
Central Meridian: 117°50'00" West
False Northing: 0 meters
False Easting: 40 000 meters
Central Meridian Scale: 1.000 160 (exact)

One International Foot = 0.3048 meters exactly

(B) Bend-Burns Zone (former name: Bend-Vale Zone)

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel - Tangent)

Standard Parallel and Grid Origin: 43°40'00" North

Central Meridian: 119°45'00" West

False Northing: 60 000 meters

False Easting: 120 000 meters

Standard Parallel Scale: 1.000 200 (exact)

One International Foot = 0.3048 meters

(C) Bend-Klamath Falls Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 41°45'00" North

Central Meridian: 121°45'00" West

False Northing: 0 meters

False Easting: 80 000 meters

Central Meridian Scale: 1.000 200 (exact)

One International Foot = 0.3048 meters

(D) Bend-Redmond-Prineville Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel - Tangent)

Standard Parallel & Grid Origin: 44°40'00" North

Central Meridian: 121°15'00" West

False Northing: 130 000 meters

False Easting: 80 000 meters

Standard Parallel Scale: 1.000 120 (exact)

One International Foot = 0.3048 meters

(E) Burns -Harper Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 43°30'00" North

Central Meridian: 117°40'00" West

False Northing: 0 meters

False Easting: 90 000 meters
Central Meridian Scale: 1.000 140 (exact)

One International Foot = 0.3048 meters

(F) Canyon City-Burns Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 43°30'00" North
Central Meridian: 119°00'00" West
False Northing: 0 meters
False Easting: 20 000 meters
Central Meridian Scale: 1.000 220 (exact)

One International Foot = 0.3048 meters

(G) Canyonville-Grants Pass Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 42°30'00" North
Central Meridian: 123°20'00" West
False Northing: 0 meters
False Easting: 40 000 meters
Central Meridian Scale: 1.000 070 (exact)

One International Foot = 0.3048 meters

(H) Coast Range North Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 45°35'00" North
Central Meridian: 123°25'00" West
False Northing: 20 000 meters
False Easting: 30 000 meters
Standard Parallel Scale: 1.000 045 (exact)

One International Foot = 0.3048 meters

(I) Columbia River East Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 45°40'00" North
Central Meridian: 120°30'00" West
False Northing: 30 000 meters
False Easting: 150 000 meters
Standard Parallel Scale: 1.000 008 (exact)

One International Foot = 0.3048 meters

(J) Columbia River West Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Oblique Mercator (Rectified Skewed Orthomorphic)

Latitude of Local Origin: 45°55'00" North
Longitude of Local Origin: 123°00'00" West
Skew Axis Azimuth at Origin: -65° 00' 00"
False Northing: -3 000 000 meters
False Easting: 7 000 000 meters
Projection Skew Axis Scale: 1.000 000 (exact)

One International Foot = 0.3048 meters

(K) Cottage Grove-Canyonville Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 42°50'00" North
Central Meridian: 123°20'00" West
False Northing: 0 meters
False Easting: 50 000 meters
Central Meridian Scale: 1.000 023 (exact)

One International Foot = 0.3048 meters

(L) Dayville-Prairie City Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°15'00" North
Central Meridian: 119°38'00" West
False Northing: 0 meters
False Easting: 20 000 meters
Central Meridian Scale: 1.000 120 (exact)

One International Foot = 0.3048 meters

(M) Denio-Burns Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 41°45'00" North

Central Meridian: 118°25'00" West

False Northing: 0 meters

False Easting: 80 000 meters

Central Meridian Scale: 1.000 190 (exact)

One International Foot = 0.3048 meters

(N) Dufur-Madras Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°30'00" North

Central Meridian: 121°00'00" West

False Northing: 0 meters

False Easting: 80 000 meters

Central Meridian Scale: 1.000 110 (exact)

One International Foot = 0.3048 meters

(O) Eugene Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 43°45'00" North

Central Meridian: 123°10'00" West

False Northing: 0 meters

False Easting: 50 000 meters

Central Meridian Scale: 1.000 015 (exact)

One International Foot = 0.3048 meters

(P) Grants Pass-Ashland Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 41°45'00" North

Central Meridian: 123°20'00" West

False Northing: 0 meters

False Easting: 50 000 meters
Central Meridian Scale: 1.000 043 (exact)

One International Foot = 0.3048 meters

(Q) Gresham-Warm Springs Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 45°00'00" North

Central Meridian: 122°20'00" West

False Northing: 0 meters

False Easting: 10 000 meters

Central Meridian Scale: 1.000 050 (exact)

One International Foot = 0.3048 meters

(R) Halfway Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 45°15'00" North

Central Meridian: 117°15'00" West

False Northing: 70 000 meters

False Easting: 40 000 meters

Standard Parallel Scale: 1.000 085 (exact)

One International Foot = 0.3048 meters

(S) La Grande Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 45°00'00" North

Central Meridian: 118°00'00" West

False Northing: 0 meters

False Easting: 40 000 meters

Central Meridian Scale: 1.000 130 (exact)

One International Foot = 0.3048 meters

(T) Medford-Diamond Lake Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 42°00'00" North
Central Meridian: 122°15'00" West
False Northing: -60 000 meters
False Easting: 60 000 meters
Standard Parallel Scale: 1.000 040 (exact)

One International Foot = 0.3048 meters

(U) Mitchell Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 47°00'00" North
Central Meridian: 120°15'00" West
False Northing: 290 000 meters
False Easting: 30 000 meters
Standard Parallel Scale: 0.999 270 (exact)

One International Foot = 0.3048 meters

(V) North Central Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 46°10'00" North
Central Meridian: 120°30'00" West
False Northing: 140 000 meters
False Easting: 100 000 meters
Standard Parallel Scale: 1.000 000 (exact)

One International Foot = 0.3048 meters

(W) Ochoco Summit Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 43°30'00" North
Central Meridian: 120°30'00" West
False Northing: -80 000 meters
False Easting: 40 000 meters
Standard Parallel Scale: 1.000 060 (exact)

One International Foot = 0.3048 meters

(X) Ontario Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 43°15'00" North

Central Meridian: 117°00'00" West

False Northing: 0 meters

False Easting: 80 000 meters

Central Meridian Scale: 1.000 100 (exact)

One International Foot = 0.3048 meters

(Y) Oregon Coast Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Oblique Mercator (Rectified Skewed Orthomorphic)

Latitude of Local Origin: 44°45'00" North

Longitude of Local Origin: 124°03'00" West

Skew Axis Azimuth at Origin: +5° 00' 00"

False Northing: -4 600 000 meters

False Easting: -300 000 meters

Projection Skew Axis Scale: 1.000 000 (exact)

One International Foot = 0.3048 meters

(Z) Owyhee Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 41°45'00" North

Central Meridian: 117°35'00" West

False Northing: 0 meters

False Easting: 70 000 meters

Central Meridian Scale: 1.000 180 (exact)

One International Foot = 0.3048 meters

(AA) Pendleton Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 45°15'00" North

Central Meridian: 119°10'00" West

False Northing: 0 meters

False Easting: 60 000 meters
Central Meridian Scale: 1.000 045 (exact)

One International Foot = 0.3048 meters

(BB) Pendleton-La Grande Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 45°05'00" North

Central Meridian: 118°20'00" West

False Northing: 0 meters

False Easting: 30 000 meters

Central Meridian Scale: 1.000 175 (exact)

One International Foot = 0.3048 meters

(CC) Pilot Rock-Ukiah Summit Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 46°10'00" North

Central Meridian: 119°00'00" West

False Northing: 130 000 meters

False Easting: 50 000 meters

Standard Parallel Scale: 1.000 025 (exact)

One International Foot = 0.3048 meters

(DD) Portland Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel - Tangent)

Standard Parallel & Grid Origin: 45°30'00" North

Central Meridian: 122°45'00" West

False Northing: 50 000 meters

False Easting: 100 000 meters

Standard Parallel Scale: 1.000 002 (exact)

One International Foot = 0.3048 meters

(EE) Prairie City-Brogan Summit Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 44°00'00" North
Central Meridian: 118°00'00" West
False Northing: 0 meters
False Easting: 60 000 meters
Standard Parallel Scale: 1.000 170 (exact)

One International Foot = 0.3048 meters

(FF) Riley-Lakeview Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 41°45'00" North
Central Meridian: 120°20'00" West
False Northing: 0 meters
False Easting: 70 000 meters
Central Meridian Scale: 1.000 215 (exact)

One International Foot = 0.3048 meters

(GG) Salem Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°20'00" North
Central Meridian: 123°05'00" West
False Northing: 0 meters
False Easting: 50 000 meters
Central Meridian Scale: 1.000 010 (exact)

One International Foot = 0.3048 meters

(HH) Santiam Pass Zone (former name: Sweet Home-Sisters Zone)

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°05'00" North
Central Meridian: 122°30'00" West
False Northing: 0 meters
False Easting: 0 meters
Central Meridian Scale: 1.000 155 (exact)

One International Foot = 0.3048 meters

(II) Siskiyou Pass Summit Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 42°30'00" North

Central Meridian: 122°35'00" West

False Northing: 60 000 meters

False Easting: 10 000 meters

Standard Parallel Scale: 1.000 150 (exact)

One International Foot = 0.3048 meters

(JJ) Ukiah-Fox Summit Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 45°15'00" North

Central Meridian: 119°00'00" West

False Northing: 90 000 meters

False Easting: 30 000 meters

Standard Parallel Scale: 1.000 140 (exact)

One International Foot = 0.3048 meters

(KK) Wallowa Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 45°15'00" North

Central Meridian: 117°30'00" West

False Northing: 0 meters

False Easting: 60 000 meters

Central Meridian Scale: 1.000 195 (exact)

One International Foot = 0.3048 meters

(LL) Warner Highway Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel- Tangent)

Standard Parallel & Grid Origin: 42°30'00" North

Central Meridian: 120°00'00" West

False Northing: 60 000 meters

False Easting: 40 000 meters
Standard Parallel Scale: 1.000 245 (exact)

One International Foot = 0.3048 meters

(MM) Willamette Pass Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 43°00'00" North

Central Meridian: 122°00'00" West

False Northing: 0 meters

False Easting: 20 000 meters

Central Meridian Scale: 1.000 223 (exact)

One International Foot = 0.3048 meters

(NN) Oregon Lambert Zone

North American Datum of 1983

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Two Standard Parallel - Secant)

Central Meridian: 120° 30' West

Latitude of Origin: 41° 45'00" North

Standard Parallel (1st): 43°00' 00" North

Standard Parallel (2nd): 45° 30'00" North

False Northing: 0.000 meters

False Easting: 400000.0000 meters

One International Foot = 0.3048 meters exactly

(b) OCRS 2022

(A) Statewide 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel & Grid Origin: 44°09'00" North

Central Meridian: 120°30'00" West

False Northing: 457,200 meters

False Easting: 1,066,800 meters

Standard Parallel Scale: 0.999800 (exact)

One International Foot = 0.3048 meter exactly

(B) Baker 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°00'00" North

Central Meridian: 117°50'00" West

False Northing: 0 meters

False Easting: 190,500 meters

Central Meridian Scale: 1.000 160 (exact)

One International Foot = 0.3048 meter exactly

(C) Bend-Burns 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel and Grid Origin: 43°40'00" North

Central Meridian: 120°00'00" West

False Northing: 76,200 meters

False Easting: 266,700 meters

Standard Parallel Scale: 1.000200 (exact)

One International Foot = 0.3048 meter exactly

(D) Bend-Klamath Falls 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 41°15'00" North

Central Meridian: 121°45'00" West

False Northing: 0 meters

False Easting: 342,900 meters

Central Meridian Scale: 1.000200 (exact)

One International Foot = 0.3048 meter exactly

(E) Bend-Redmond-Prineville 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel & Grid Origin: 44°40'00" North

Central Meridian: 121°15'00" West

False Northing: 152,400 meters

False Easting: 190,500 meters

Standard Parallel Scale: 1.000120 (exact)

One International Foot = 0.3048 meter exactly

(F) Burns-Harper 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 42°45'00" North

Central Meridian: 117°40'00" West

False Northing: 0 meters

False Easting: 266,700 meters

Central Meridian Scale: 1.000140 (exact)

One International Foot = 0.3048 meter

(G) Canyon City-Burns 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 42°45'00" North

Central Meridian: 119°00'00" West

False Northing: 0 meters

False Easting: 228,600 meters

Central Meridian Scale: 1.000220 (exact)

One International Foot = 0.3048 meter

(H) Canyonville-Grants Pass 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 42°00'00" North

Central Meridian: 123°20'00" West

False Northing: 0 meters

False Easting: 190,500 meters

Central Meridian Scale: 1.000 070 (exact)

One International Foot = 0.3048 meter exactly

(I) Coast Range North 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel & Grid Origin: 45°35'00" North

Central Meridian: 123°21'00" West

False Northing: 76,200 meters

False Easting: 228,600 meters
Standard Parallel Scale: 1.000 045 (exact)

One International Foot = 0.3048 meter exactly

(J) Columbia River East 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Lambert Conformal Conic (Single Parallel)
Standard Parallel & Grid Origin: 45°40'00" North
Central Meridian: 120°45'00" West
False Northing: 76,200 meters
False Easting: 266,700 meters
Standard Parallel Scale: 1.000 008 (exact)

One International Foot = 0.3048 meter exactly

(K) Columbia River West 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Oblique Mercator (Rectified Skew Orthomorphic)
Latitude of Local Origin: 46°00'00" North
Longitude of Local Origin: 123°15'00" West
Skew Axis Azimuth at Origin: -65° 00' 00"
False Northing: 76,200 meters
False Easting: 228,600 meters
Projection Skew Axis Scale: 1.000 000 (exact)

One International Foot = 0.3048 meter

(L) Cottage Grove-Canyonville 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator
Latitude of Grid Origin: 42°30'00" North
Central Meridian: 123°20'00" West
False Northing: 0 meters
False Easting: 228,600 meters
Central Meridian Scale: 1.000 023 (exact)

One International Foot = 0.3048 meter exactly

(M) Dayville-Prairie City 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 43°30'00" North
Central Meridian: 119°38'00" West
False Northing: 0 meters
False Easting: 228,600 meters
Central Meridian Scale: 1.000 120 (exact)

One International Foot = 0.3048 meter exactly

(N) Denio-Burns 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator

Latitude of Grid Origin: 41°15'00" North
Central Meridian: 118°25'00" West
False Northing: 0 meters
False Easting: 381,000 meters
Central Meridian Scale: 1.000 190 (exact)

One International Foot = 0.3048 meter exactly

(O) Dufur-Madras 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator

Latitude of Grid Origin: 44°00'00" North
Central Meridian: 121°00'00" West
False Northing: 0 meters
False Easting: 266,700 meters
Central Meridian Scale: 1.000 110 (exact)

One International Foot = 0.3048 meter exactly

(P) Eugene 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator

Latitude of Grid Origin: 43°15'00" North
Central Meridian: 123°10'00" West
False Northing: 0 meters
False Easting: 190,500 meters
Central Meridian Scale: 1.000 015 (exact)

One International Foot = 0.3048 meter exactly

(Q) Grants Pass-Ashland 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 41°15'00" North

Central Meridian: 123°20'00" West

False Northing: 0 meters

False Easting: 228,600 meters

Central Meridian Scale: 1.000 043 (exact)

One International Foot = 0.3048 meter exactly

(R) Gresham-Warm Springs 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°30'00" North

Central Meridian: 122°20'00" West

False Northing: 0 meters

False Easting: 190,500 meters

Central Meridian Scale: 1.000 050 (exact)

One International Foot = 0.3048 meter exactly

(S) Halfway 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel & Grid Origin: 45°15'00" North

Central Meridian: 117°00'00" West

False Northing: 114,300 meters

False Easting: 228,600 meters

Standard Parallel Scale: 1.000 085 (exact)

One International Foot = 0.3048 meter exactly

(T) La Grande 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°30'00" North

Central Meridian: 118°00'00" West

False Northing: 0 meters

False Easting: 190,500 meters
Central Meridian Scale: 1.000 130 (exact)

One International Foot = 0.3048 meter exactly

(U) Medford-Diamond Lake 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Lambert Conformal Conic (Single Parallel)
Standard Parallel & Grid Origin: 42°00'00" North
Central Meridian: 122°15'00" West
False Northing: 0 meters
False Easting: 228,600 meters
Standard Parallel Scale: 1.000 040 (exact)

One International Foot = 0.3048 meter exactly

(V) Mitchell 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Lambert Conformal Conic (Single Parallel)
Standard Parallel & Grid Origin: 47°00'00" North
Central Meridian: 120°15'00" West
False Northing: 342,900 meters
False Easting: 190,500 meters
Standard Parallel Scale: 0.999270 (exact)

One International Foot = 0.3048 meter exactly

(W) North Central 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Lambert Conformal Conic (Single Parallel)
Standard Parallel & Grid Origin: 46°10'00" North
Central Meridian: 120°15'00" West
False Northing: 190,500 meters
False Easting: 266,700 meters
Standard Parallel Scale: 1.000 000 (exact)

One International Foot = 0.3048 meter exactly

(X) Ochoco 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel & Grid Origin: 43°30'00" North
Central Meridian: 120°45'00" West
False Northing: 0 meters
False Easting: 190,500 meters
Standard Parallel Scale: 1.000 060 (exact)

One International Foot = 0.3048 meter exactly

(Y) Ontario 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator
Latitude of Grid Origin: 42°45'00" North
Central Meridian: 117°00'00" West
False Northing: 0 meters
False Easting: 304,800 meters
Central Meridian Scale: 1.000 100 (exact)

One International Foot = 0.3048 meter

(Z) Oregon Coast 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Oblique Mercator (Rectified Skew Orthomorphic)
Latitude of Local Origin: 44°45'00" North
Longitude of Local Origin: 124°03'00" West
Skew Axis Azimuth at Origin: +5° 00' 00"
False Northing: 381,000 meters
False Easting: 647,700 meters
Projection Skew Axis Scale: 1.000 000 (exact)

One International Foot = 0.3048 meter exactly

(AA) Owyhee 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator
Latitude of Grid Origin: 41°15'00" North
Central Meridian: 117°35'00" West
False Northing: 0 meters
False Easting: 304,800 meters
Central Meridian Scale: 1.000 180 (exact)

One International Foot = 0.3048 meter

(BB) Pendleton 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 45°00'00" North

Central Meridian: 119°10'00" West

False Northing: 0 meters

False Easting: 190,500 meters

Central Meridian Scale: 1.000 045 (exact)

One International Foot = 0.3048 meter exactly

(CC) Pendleton-La Grande 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 44°15'00" North

Central Meridian: 118°20'00" West

False Northing: 0 meter

False Easting: 190,500 meters

Central Meridian Scale: 1.000 175 (exact)

One International Foot = 0.3048 meter exactly

(DD) Pilot Rock-Ukiah 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel & Grid Origin: 46°10'00" North

Central Meridian: 119°15'00" West

False Northing: 190,500 meters

False Easting: 228,600 meters

Standard Parallel Scale: 1.000 025 (exact)

One International Foot = 0.3048 meter exactly

(EE) Portland 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel & Grid Origin: 45°30'00" North

Central Meridian: 122°45'00" West

False Northing: 76,200 meters

False Easting: 190,500 meters
Standard Parallel Scale: 1.000 002 (exact)

One International Foot = 0.3048 meter exactly

(FF) Prairie City-Brogan 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Lambert Conformal Conic (Single Parallel)
Standard Parallel & Grid Origin: 44°00'00" North
Central Meridian: 118°15'00" West
False Northing: 38,100 meters
False Easting: 228,600 meters
Standard Parallel Scale: 1.000 170 (exact)

One International Foot = 0.3048 meter exactly

(GG) Riley-Lakeview 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator
Latitude of Grid Origin: 41°15'00" North
Central Meridian: 120°20'00" West
False Northing: 0 meters
False Easting: 342,900 meters
Central Meridian Scale: 1.000 215 (exact)

One International Foot = 0.3048 meter exactly

(HH) Alem 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator
Latitude of Grid Origin: 43°45'00" North
Central Meridian: 123°05'00" West
False Northing: 0 meters
False Easting: 266,700 meters
Central Meridian Scale: 1.000 010 (exact)

One International Foot = 0.3048 meter exactly

(II) Santiam Pass 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator

Latitude of Grid Origin: 43°30'00" North
Central Meridian: 122°30'00" West
False Northing: 0 meters
False Easting: 152,400 meters
Central Meridian Scale: 1.000 155 (exact)

One International Foot = 0.3048 meter exactly

(JJ) Siskiyou Pass 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Lambert Conformal Conic (Single Parallel)
Standard Parallel & Grid Origin: 42°30'00" North
Central Meridian: 122°30'00" West
False Northing: 114,300 meters
False Easting: 190,500 meters
Standard Parallel Scale: 1.000 150 (exact)

One International Foot = 0.3048 meter exactly

(KK) Ukiah-Fox 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Lambert Conformal Conic (Single Parallel)
Standard Parallel & Grid Origin: 45°15'00" North
Central Meridian: 119°00'00" West
False Northing: 152,400 meters
False Easting: 228,600 meters
Standard Parallel Scale: 1.000 140 (exact)

One International Foot = 0.3048 meter exactly

(LL) Wallowa 2022 Zone

North American Terrestrial Reference frame 2022
Reference Ellipsoid: Geodetic Reference System of 1980
Projection: Transverse Mercator
Latitude of Grid Origin: 44°30'00" North
Central Meridian: 117°30'00" West
False Northing: 0 meters
False Easting: 266,700 meters
Central Meridian Scale: 1.000 195 (exact)

One International Foot = 0.3048 meter exactly

(MM) Warner Highway 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Lambert Conformal Conic (Single Parallel)

Standard Parallel & Grid Origin: 42°30'00" North

Central Meridian: 119°45'00" West

False Northing: 114,300 meters

False Easting: 190,500 meters

Standard Parallel Scale: 1.000 245 (exact)

One International Foot = 0.3048 meter exactly

(NN) Willamette Pass 2022 Zone

North American Terrestrial Reference frame 2022

Reference Ellipsoid: Geodetic Reference System of 1980

Projection: Transverse Mercator

Latitude of Grid Origin: 42°30'00" North

Central Meridian: 122°00'00" West

False Northing: 0 meters

False Easting: 228,600 meters

Central Meridian Scale: 1.000 223 (exact)

One International Foot = 0.3048 meter exactly

Stat. Auth.: ORS 184.619, Chapter 179 OL 2011

Stats. Implemented: ORS 209.130, 209.155, 209.250, 390.770 and Chapter 179 OL 2011