

Multi-PEP EAN SOURCE DRAFT

Nebraska State Emergency Alert System Plan

Prepared by the Nebraska State Emergency Communications Committee

Approved by:

Federal Communications Commission (Date)

Nebraska State Emergency Communications Committee (Date)

Nebraska Public Safety Communications Council (Date)

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Glossary of Terms and Acronyms

CAP = Common Alerting Protocol (a data format for exchanging public warnings and emergencies)

COG = Continuity of Government

EAN = The Emergency Action Notification is the notice to all EAS Participants and to the general public that the EAS has been activated for a national emergency. EAN messages that are formatted in the EAS Protocol (specified in §11.31) are sent from a government origination point to broadcast stations and other entities participating in the PEP system, and are subsequently disseminated via EAS Participants. Dissemination arrangements for EAN messages that are formatted in the EAS Protocol (specified in §11.31) at the State and local levels are specified in the State and Local Area plans (defined at §11.21). A national activation of the EAS for a Presidential message with the Event code EAN as specified in §11.31 must take priority over any other message and preempt it if it is in progress.

EAS = Emergency Alert System

EAS Participants = Entities required under the Commission's rules to comply with EAS rules, e.g., analog radio and television stations, and wired and wireless cable television systems, DBS, DTV, SDARS, digital cable and DAB, and wireline video systems.

EOC = Emergency Operations Center (state or local)

FCC = Federal Communications Commission (regulates broadcast and cable)

FEMA = Federal Emergency Management Agency

Intermediary Device = An intermediary device is a stand-alone device that carries out the functions of monitoring for, receiving and/or acquiring, and decoding EAS messages formatted in the Common Alerting Protocol (CAP) in accordance with §11.56, and converting such messages into a format that can be inputted into a separate EAS decoder, EAS encoder, or unit combining such decoder and encoder functions, so that the EAS message outputted by such separate EAS decoder, EAS encoder, or unit combining such decoder and encoder functions, and all other functions attendant to processing such EAS message, comply with the requirements in this part.

IP = Internet Provider, typically required to connect to Federal IPAWS

IPAWS = Integrated Public Alert and Warning System (Federal Aggregator for CAP alerts)

LECC = Local Emergency Communications Committee (FCC term)

LB/C = Local Broadcasters and Cable-casters (an abbreviation used in this Nebraska plan)

LP = The Local Primary is a radio or TV station that acts as a key EAS monitoring source. Each LP station must monitor its regional PEP station and a back-up source for Presidential messages. LP stations can be further designated LP-1 or LP-2 depending on the makeup of the State Plan.

NE = the State of Nebraska

NEMA = Nebraska Emergency Management Agency

NET = Nebraska Educational Telecommunications (Public TV & Radio)

NIMS = **National Incident Management System (Emergency Management Training)**

NOAA = *National Oceanic and Atmospheric Administration*

NP = *National Primary* Stations that are the primary entry point for Presidential messages delivered by FEMA. These stations are responsible for broadcasting a Presidential alert to the public and to State Primary stations within their broadcast range. Also known as PEP stations, KRVN AM is the Nebraska National Primary.

NPR = National Public Radio (Network in Washington DC)

NPR Cue Channel = A non-program channel to Public Radio stations which carries National EAS messages and tests as a PEP station. Also known as the "Squawk" channel.

NPR Squawk Channel = also known as NPR Cue Channel

NPSCC = Nebraska Public Safety Communications Council

NWR = *NOAA Weather Radio, All-Hazards*

NWS = *National Weather Service*

PEP = The Primary Entry Point system is a nationwide network of broadcast stations and other entities connected with government activation points. It is used to distribute EAS messages that are formatted in the EAS Protocol (specified in §11.31), including the EAN and EAS national test messages. FEMA has designated some of the nation's largest radio broadcast stations as PEPs. The PEPs are designated to receive the Presidential alert from FEMA and distribute it to local stations.

PN = Participating National stations are broadcast stations that transmit EAS National, state, or local EAS messages to the public. The majority of the EAS participants in Nebraska are classified Participating National.

SAME = Specific Area Message Encoding

SECC = *State Emergency Communications Committee*

SP = State Primary. Stations that are the entry point for State messages, which can originate from the Governor or a designated representative. The Nebraska State Primary is KUCV 91.1 FM Lincoln.

SR = State Relay. NET radio throughout Nebraska, plus KVNO radio Omaha, are the State Relay stations.

Wireline Video System = The system of a wireline common carrier used to provide video programming service.

Purpose

This plan, mandated and approved by the State Emergency Communications Committee and the Nebraska Public Safety Communications Council, will be submitted to the Federal Communications Commission (FCC) for review and approval. It is intended to be a resource for EAS Participants that disseminate both required and voluntary Emergency Alert System (EAS) messages to the public in the State of Nebraska. It is also the purpose and priority of the committee to provide guidance to Local Emergency Communications Committees.

Authority

Title 47 U.S.C. 151, 154(i), 303(r), 524(g), and 606; and 47 C.F.R. Part 11, FCC Rules and Regulations, Emergency Alert System (EAS). www.fcc.gov/general/emergency-alert-system-eas

The State Emergency Communications Committee (SECC), functions under the Nebraska Public Safety Communications Council (NPSCC) as an official working group. The Council provides policy-level direction and leadership for public safety and interoperable communications in the State of Nebraska. The State EAS plan is written and maintained by the Nebraska State Emergency Communications Committee (SECC). Updates to the plan will be approved by the SECC, NPSCC, and the FCC. The latest version of the Nebraska EAS Operational plan will be posted at www.NE-EAS.org, www.nema.ne.gov, and www.fcc.gov/public-safety-and-homeland-security/policy-and-licensing-division/alerting/general/state-eas-plans

Assumptions and Planning Factors

FCC Regulations require the use of the Emergency Alert System (EAS).

This Plan shall be utilized for all hazards regardless of emergency/disaster and/or event type.

This Plan assumes all participants have been trained in the utilization of the Emergency Alert System and are familiar with the FCC Rules and Regulations.

Any and all changes to the FCC Rules and Regulations automatically become part of this plan without the re-issuing or re-approval of the plan by its oversight agencies.

The following individuals or their representative are authorized to initiate State Level Activation of the Nebraska EAS System. Local activation may also be initiated by one of these authorities in cooperation with local authorities and local emergency plans.

Governor of Nebraska or designee

Nebraska Emergency Management Director or designee

Meteorologist-In-Charge, National Weather Service, Omaha or designee

Nebraska State Patrol, Superintendent of Law Enforcement and Public Safety or designee

Local Primary (LP 1 or 2) Stations: LP-1 Stations are FM stations that normally operate 24 hours per day, seven days per week. LP-1 and LP-2 Stations are not utilized in this plan.

All broadcast Stations and cable systems must be able to receive a Common Alerting Protocol (CAP) source as required by the FCC Rules and Regulations 47 C.F.R Part 11.56.

www.fema.gov/common-alerting-protocol

Any cable TV system significantly viewed by Nebraska residents is considered a Participating National (PN) EAS participant in this plan.

The Nebraska Educational Telecommunications (NET) TV network has an FCC waiver allowing all of their stations to operate from a single EAS control point at their studios in Lincoln.

The FCC EAS participant designation for all Nebraska EAS participants is Participating National (PN) unless the plan designates particular stations as Local Primary (LP-1), State Primary (SP), State Relay (SR), or National Primary (NP). Reference 47 C.F.R. 11.18 for definitions.

The Nebraska State Primary (SP) and State Relay (SR) network, along with National Primary KRVN AM, is used to disseminate statewide and National EAS alerts and tests. The Nebraska SP/SR network is comprised of all Nebraska Educational Telecommunications Network radio transmitters,

plus KVNO radio in Omaha. State Relay (SR) stations must be configured to automatically transmit statewide EAS alerts from the State Primary (SP) as quickly as possible. Required Monthly Tests (RMT) may be delayed for relay by the other EAS participants (Participating National or PN) stations for a maximum of 60 minutes. EAN alerts must be relayed immediately per 47 C.F.R. 11.11. National tests and alerts must be transmitted by the State Primary/State Relay network immediately or as instructed by FCC procedures for State Primary/State Relay systems. For National Primary (NP) stations an Emergency Action Notification (EAN) alert, National Information Center (NIC) message, and non-Common Alerting Protocol (CAP) National Periodic Test (NPT) are automatically transmitted.

Organization and Responsibilities

Broadcasters and Cable Operators

All broadcasters and cable operators are required to participate in the Emergency Alert System (EAS).

The national activation of the Emergency Alert System (EAS) for an Emergency Action Notification (EAN) must take priority over any other EAS message and preempt any broadcast in progress. During a national emergency radio and television broadcast network program distribution facilities must be reserved exclusively for the dissemination of Presidential messages per 47 C.F.R. 11.2A

Each Participating National, State Primary, State Relay, Local Primary, and National Primary, except for Class D FM, Low Power FM (LPFM), and Low Power Television (LPTV), must generate their own Required Weekly Test (RWT) per 47 C.F.R. 11.61. Class D FM, LPFM, and LPTV participants are required to have EAS decoders but do not generate RWT's. All EAS participants do have to log all RWT's, RMT's and Federal level alerts. RWT's must be sent once a week on random days and at random times any time of the day. RWT's need not be sent if an RMT, EAN, or NPT was successfully received and retransmitted that week. The National Weather Service transmits a weekly test each week so that all EAS participants can check their NOAA Weather Radio reception and decode capability.

All EAS participants must receive and decode alerts and messages from the following sources:

- A Nebraska State Relay (SR) station that best serves their EAS receiver

- The PEP station or listed satellite service that best serves them.

- The NOAA All-Hazards Weather Radio (NWR) that best serves their receiver

- Common Alerting Protocol data from the FEMA/IPAWS aggregator

Lists of regional PEP frequencies, satellite sources, and NOAA NWR stations in Nebraska as well as maps of the SR stations can be found in the appendices as well as www.NE-EAS.org SR's, the SP, and the NP have assigned monitoring sources that may differ.

Part 11 of the FCC Rules and Regulations require that a copy of the EAS Handbook and State EAS Plan be maintained "at normal duty positions or EAS equipment locations" for all broadcasters and cable operators. The current FCC EAS Handbook can be found at www.fcc.gov/general/emergency-alert-system-eas under the HANDBOOK heading. The current State EAS Plan can be found at www.NE-EAS.org.

Broadcasters and Cable Operators cont'd.

All Nebraska broadcast stations and cable operators must program their EAS equipment to designate, at a minimum, the county of their city of license as their local EAS area.

Nebraska State Emergency Communications Committee (SECC)

The SECC is a subcommittee of the Nebraska Public Safety Communications Council (NPSCC). It was formed to produce and maintain the Emergency Alert System (EAS) Plan of the State of Nebraska. The SECC maintains open communications between broadcasters, cable, and the emergency management community to be prepared in case of emergency. The SECC operates according to 47 CFR Part 11. The Nebraska SECC includes representatives from Radio, Television and Cable systems in Nebraska as well as the Nebraska Emergency Management Agency, Nebraska State Patrol, and the National Weather Service.

Concept of Operations

EAS Activation

The Nebraska EAS is activated by a request from authorized officials to the State Primary (SP) KUCV in Lincoln. The Primary Entry Point for Federal level alerts and tests is via National Public Radio (a designated PEP distributor) to the State Primary (SP) and State Relay (SR). KRVN AM in Lexington is also a designated PEP station.

Activation of the National EAS is authorized by and operated in accordance with the Rules and Regulations promulgated by the Federal Communications Commission and Federal Emergency Management Agency. All EAS participants will immediately, and automatically, activate the EAS on the main program channel when the emergency message is received.

Required EAS Codes, Testing, and Log Keeping

The following event codes are mandatory alert codes to be relayed by every EAS participant:

EAN, NPT, and NIC Federal Level Messages to be relayed immediately

RMT State level monthly test message to be relayed within 60 min. of receipt

The following event code is to be originated by each EAS participant on a weekly basis, except on those weeks that an RMT or NPT was successfully relayed.

RWT Local weekly test message

FEMA/IPAWS CAP distributed RWT's are only to be logged and not relayed.

A log must be kept of all EAS messages received and sent, then inspected and signed weekly by the participants Chief Operator. This log may be requested for inspection by the Federal Communications Commission in the normal course of their duties.

Failure to receive any of the above codes from your assigned monitor sources requires that your Chief Operator investigate the cause then remediate and take measures to make sure it does not repeat (assuming remediation of the problem was on the end of the receiving station). This series of events must be documented and included with the stations EAS log for that month.

Other codes for other alert events can be used as the EAS participant desires. A complete list of all EAS codes, and their descriptions, can be found at www.NE-EAS.org.

Appendix A

Regional PEP Stations & Nebraska Coverage

<u>PEP Station</u>	<u>Frequency</u>	<u>City of License</u>	<u>Day Rx.</u>	<u>Night Rx.</u>
KRVN	880 KHz	Lexington, NE.	Yes	W 1/2
WHO	1040 KHz	Des Moines, IA.	Yes, E	East Edge
KOA	850 KHz	Denver, CO.	Yes, SW	Yes, SW
WHB	810 KHz	Kansas City, MO.	Yes, SE	East Edge
KFYR	550 KHz	Bismark, ND.	Yes, NNE	No
KTWO	1030 KHz	Casper, WY.	Yes, NW	No

Appendix B

Satellite PEP Services

Sirius Satellite Service Channel 184

XM Satellite Service Channel 1

NPR Satellite Service Squawk Channel *See Appendix C1*

Premiere Satellite Service *See Appendix C2*

Appendix C1

NPR Satellite Squawk Channel Instructions

NPR Afilliates ONLY

Setting Up an SR2000pro Stream Decoder for NPR Squawk Channel Reception

The document explains how to set up your SR2000pro stream decoder to receive the NPR Squawk Channel. In this procedure, you will:

1. Change the NCC Packet Identifier (PID) to interrupt any head-end control instructions.
2. Add a PID (1043) to allow the decoder to tune to the NPR Squawk Channel.

Remember, you cannot tune both ports of your decoder to the same stream. The Channel Guide will not let you do that.

NOTE: These instructions apply to an SR2000pro stream decoder that has been running under network control. If you have already fixed tuned one of your decoders and are already using the channel guide, you need to follow a different, simpler procedure to enable the NPR Squawk Channel PID. Those instructions can be found at the end of this document.

Instructions to Tune Streaming Decoders Locally

The PRSS streaming system is based on the Digital Video Broadcasting (DVB) standards suite. Each audio stream has its own DVB PID.

Under normal operation, a stream decoder responds to commands from the PRSS Network Operations Center (NOC) to start decoding a particular stream, based on the multicast IP address and the UDP port number of that stream. Each PID carries one stream (program "channel"). An additional PID, called the NCC (Network Control Channel) PID, carries all commands from the PRSS NOC to your decoders. The NCC PID carries information about the RF tuning, general configuration, PID structure, and particular stream to decode for each streaming decoder in the system. This information is continuously transmitted in a rotation called the broadcast wheel. Any changes to the settings on your decoder that you make from its front panel automatically revert back to the "proper" settings within a few minutes due to this broadcast wheel.

To override the broadcast wheel settings to tune your decoder to a particular stream (e.g., NPR Breaking News), you must make the streaming decoder stop listening to the commands in the NCC PID.

The easiest way to tune a streaming decoder locally is by using the **Channel Mode** feature.

Appendix C2

Premiere Satellite PEP Instructions

Premiere Satellite Service Affiliates ONLY



FEMA on Premiere Networks XDS PRO-4p Receiver Configure Audio

All Premiere Networks XDS PRO-4P receivers are permissioned to receive and forward FEMA alerts.

This document will outline the steps to configure your XDS PRO4P receiver to receive FEMA alerts on any free audio port.

To configure your receiver to receive and forward FEMA alerts to your ENDEC:

- Choose an open port on your receiver
- Wire the audio from the receiver port to your ENDEC
- Configure your receiver for FEMA by locking in the port on your receiver to the the FEMA program

Additional information can be found in the XDSPRO4P Manual (link below).

<http://myxdsreceiver.premiereradio.com/af/Documentation/XDSPRO4P%20UsersGuide.pdf>

Follow the instructions below to lock in your receiver's audio port to the FEMA PID.

1. On the front panel of your XDS receiver press "Set" twice until you see "Setup". Scroll right from setup until you see audio ports. Hit "Set".
2. Navigate to the audio port you'd like to use. We recommend using a port that has no call letters assigned.
3. Hit "Set" twice on the audio port you have selected. This will display the list of authorized programs for your receiver. Select the "FEMA" program.
4. Hit the up arrow once & press the number 3. This will lock the FEMA program to the audio port. You should now have a set of flashing padlocks next to the program name.

FEMA is now locked to the audio port selected. Please note that a reboot of the receiver will disable the lock.

Users should subscribe to Premiere Networks RSS feed. Information will be posted there concerning testing and alerts. You can subscribe to RSS online at

<http://engineering.premiereradio.com>



FEMA on Premiere Networks XDS PRO-4p Receiver Configure Relays and Optos

All Premiere Networks XDS PRO-4p Receivers are permissioned to receive and forward FEMA alerts.

This document will outline the steps to configure your XDS PRO4P receiver to receive FEMA alerts and allow you to control forwarding and to configure your receiver to switch from normal programming to FEMA alerts and back automatically.

When FEMA issues an alert they will transmit the following cue codes on Premiere Networks XDS PRO-4P system.

**FEMASOM
FEMAEOM**

FEMASOM, FEMA start of message, will be used to switch your receiver to the FEMA message from Programming

FEMAEOM, FEMA end of message, will be used to switch your receiver back to Programming

To configure your receiver to automatically switch to FEMA on receipt of the FEMASOM message and to switch back to programming on receipt of the FEMAEOM you will need to:

- Choose two free relays and two free optos on your receiver (we recommend 31, 32)
- Wire the relays on the Relay Port to the optos on the M&C port
- Configure Relays on the receiver
- Configure optos on the receiver
- Test your system

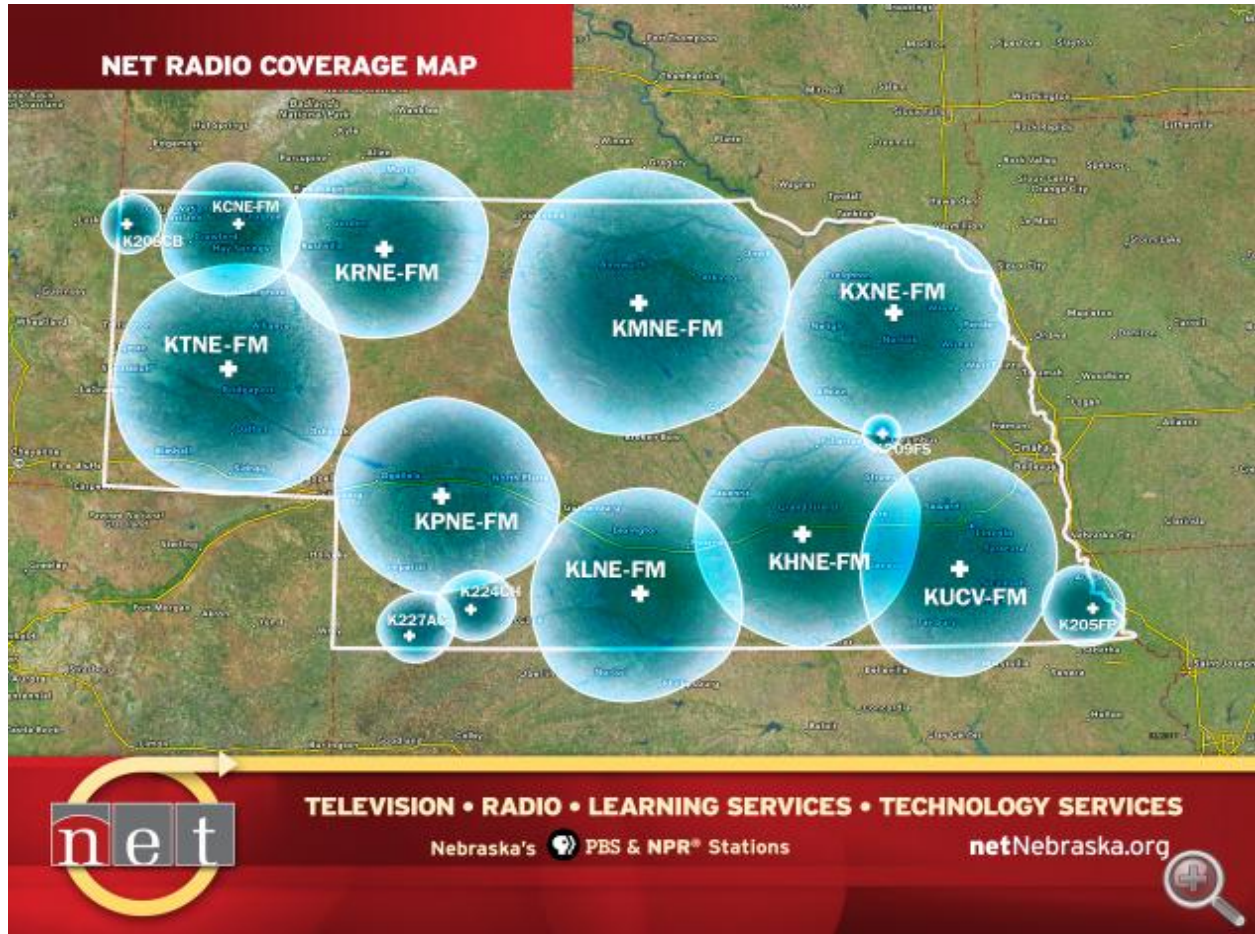
1. Choose two free optos and two free relays. These relays and optos will be mapped to FEMA codes later in this document.

2. Build a cable to connect the relays on the DB37 (relay port) to the Optos on DB9 (M&C port) on the back of your receiver. The M&C port's pin out can be found on page 55 of your receiver manual. The DB37 Relay port's pin out can be found on page 56. Basically the DB37 relay will trigger the Opto input to the corresponding Opto command.

<http://myxdsreceiver.premiere-radio.com/aff/Documentation/XDSPRO4P%20UsersGuide.pdf>

Appendix D

State Relay Approximate Coverage Map



<u>CALL SIGN</u>	<u>City of License</u>	<u>Frequency</u>	<u>CALL SIGN</u>	<u>City of License</u>	<u>Frequency</u>
KTNE	Alliance	91.1 MHz	KHNE	Hastings	89.1 MHz
KMNE	Bassett	90.3 MHz	KLNE	Lexington	88.7 MHz
KCNE	Chadron	91.9 MHz	KUCV	Lincoln	91.1 MHz
K209FS	Columbus	89.7 MHz	K227AC	Max	93.3 MHz
K224CH	Culbertson	92.7 MHz	KRNE	Merriman	91.5 MHz
K205FP	Falls City	88.9 MHz	KXNE	Norfolk	89.3 MHz
K208CB	Harrison	89.5 MHz	KPNE	North Platte	91.7 MHz

Appendix E

NOAA Weather Radio Stations Serving Nebraska

County	SAME #	NWR Transmitter	Call Sign	Frequency	Remarks
Adams	031001	Grand Island	WXL74	162.400	ALL
Adams	031001	Superior	WNG578	162.525	ALL
Antelope	031003	Norfolk	WXL77	162.550	ALL
Arthur	031005	North Platte	WXL68	162.550	ALL
Banner	031007	Scottsbluff	WXL67	162.475	ALL
Blaine	031009	Bassett	WXL73	162.475	ALL
Boone	031011	Albion	WNG645	162.500	ALL
Boone	031011	Norfolk	WXL77	162.550	ALL
Box Butte	031013	Chadron	KXI20	162.525	ALL
Box Butte	031013	Scottsbluff	WXL67	162.475	ALL
Boyd	031015	Bassett	WXL73	162.475	ALL
Boyd	031015	Pickstown	KXI25	162.425	ALL
Brown	031017	Bassett	WXL73	162.475	ALL
Buffalo	031019	Grand Island	WXL74	162.400	ALL
Buffalo	031019	Holdrege	WXL75	162.475	ALL
Burt	031021	Omaha	KIH61	162.400	ALL
Butler	031023	Columbus	WNG549	162.450	ALL
Butler	031023	Lincoln	WXM20	162.475	ALL
Cass	031025	Lincoln	WXM20	162.475	ALL
Cass	031025	Omaha	KIH61	162.400	ALL
Cedar	031027	Norfolk	WXL77	162.550	ALL
Cedar	031027	Yankton	KXI21	162.500	ALL
Chase	031029	North Platte	WXL68	162.550	ALL
Cherry	031031	Merriman	WXL76	162.400	W
Cherry	031031	Mullen	KPS502	162.425	SOUTHERN
Cherry	031031	Valentine	WXN82	162.450	ALL
Cheyenne	031033	Scottsbluff	WXL67	162.475	ALL
Cheyenne	031033	Sidney	WXN61	162.500	ALL
Clay	031035	Grand Island	WXL74	162.400	ALL
Clay	031035	Superior	WNG578	162.525	ALL
Colfax	031037	Columbus	WNG549	162.450	ALL
Colfax	031037	Norfolk	WXL77	162.550	ALL
Cuming	031039	Norfolk	WXL77	162.550	ALL
Custer	031041	Merna	WXN72	162.500	ALL
Custer	031041	Ord	KWN62	162.525	ALL
Dakota	031043	Sioux City	WXL62	162.475	ALL
Dawes	031045	Chadron	KXI20	162.525	ALL
Dawson	031047	Holdrege	WXL75	162.475	ALL
Dawson	031047	Lexington	KGG99	162.425	ALL
Deuel	031049	Oshkosh	KHA55	162.525	ALL

Deuel	031049	Sidney	WXN61	162.500	ALL
Dixon	031051	Norfolk	WXL77	162.550	ALL
Dixon	031051	Sioux City	WXL62	162.475	ALL
Dodge	031053	Columbus	WNG549	162.450	ALL
Dodge	031053	Omaha	KIH61	162.400	ALL
Douglas	031055	Omaha	KIH61	162.400	ALL
Dundy	031057	Trenton	WNG524	162.500	ALL
Dundy	031057	Wray	WXM87	162.475	ALL
Fillmore	031059	Grand Island	WXL74	162.400	ALL
Fillmore	031059	Superior	WNG578	162.525	ALL
Franklin	031061	Holdrege	WXL75	162.475	ALL
Franklin	031061	Kirwin	KWN59	162.500	ALL
Frontier	031063	Cambridge	KEC39	162.525	ALL
Frontier	031063	Lexington	KGG99	162.425	ALL
Frontier	031063	North Platte	WXL68	162.550	ALL
Furnas	031065	Cambridge	KEC39	162.525	ALL
Furnas	031065	Holdrege	WXL75	162.475	ALL
Gage	031067	Beatrice	KZZ69	162.450	ALL
Gage	031067	Lincoln	WXM20	162.475	ALL
Garden	031069	Oshkosh	KHA55	162.525	ALL
Garden	031069	Scottsbluff	WXL67	162.475	ALL
Garden	031069	Sidney	WXN61	162.500	South 1/3
Garfield	031071	Bassett	WXL73	162.475	ALL
Garfield	031071	Ord	KWN62	162.525	ALL
Gosper	031073	Cambridge	KEC39	162.525	ALL
Gosper	031073	Holdrege	WXL75	162.475	ALL
Gosper	031073	Lexington	KGG99	162.425	ALL
Grant	031075	Mullen	KPS502	162.425	ALL
Greeley	031077	Albion	WNG645	162.500	ALL
Greeley	031077	Ord	KWN62	162.525	ALL
Hall	031079	Grand Island	WXL74	162.400	ALL
Hamilton	031081	Grand Island	WXL74	162.400	ALL
Harlan	031083	Holdrege	WXL75	162.475	ALL
Harlan	031083	Kirwin	KWN59	162.500	ALL
Hayes	031085	North Platte	WXL68	162.550	ALL
Hayes	031085	Trenton	WNG524	162.500	ALL
Hitchcock	031087	Trenton	WNG524	162.500	ALL
Holt	031089	Bassett	WXL73	162.475	ALL
Holt	031089	Pickstown	KXI25	162.425	ALL
Hooker	031091	Mullen	KPS502	162.425	ALL
Howard	031093	Grand Island	WXL74	162.400	ALL
Howard	031093	Ord	KWN62	162.525	ALL
Jefferson	031095	Beatrice	KZZ69	162.450	ALL
Johnson	031097	Lincoln	WXM20	162.475	ALL
Johnson	031097	Shubert	KWN41	162.500	ALL

Kearney	031099	Holdrege	WXL75	162.475	ALL
Keith	031101	North Platte	WXL68	162.550	ALL
Keith	031101	Oshkosh	KHA55	162.525	W
Keya Paha	031103	Bassett	WXL73	162.475	ALL
Kimball	031105	Scottsbluff	WXL67	162.475	ALL
Kimball	031105	Sidney	WXN61	162.500	ALL
Knox	031107	Norfolk	WXL77	162.550	ALL
Knox	031107	Yankton	KXI21	162.500	ALL
Lancaster	031109	Lincoln	WXM20	162.475	ALL
Lincoln	031111	North Platte	WXL68	162.550	ALL
Logan	031113	North Platte	WXL68	162.550	ALL
Loup	031115	Bassett	WXI73	162.475	ALL
Loup	031115	Ord	KWN62	162.525	ALL
Madison	031119	Norfolk	WXI77	162.550	ALL
McPherson	031117	Mullen	KPS502	162.425	NORTHERN
McPherson	031117	North Platte	WXI68	162.550	ALL
Merrick	031121	Columbus	WNG549	162.450	ALL
Merrick	031121	Grand Island	WXI74	162.400	ALL
Morrill	031123	Scottsbluff	WXI67	162.475	ALL
Nance	031125	Albion	WNG645	162.500	ALL
Nance	031125	Columbus	WNG549	162.450	ALL
Nance	031125	Grand Island	WXI74	162.400	ALL
Nemaha	031127	Shubert	KWN41	162.500	ALL
Nuckolls	031129	Superior	WNG578	162.525	ALL
Otoe	031131	Lincoln	WXM20	162.475	ALL
Otoe	031131	Omaha	KIH61	162.400	ALL
Otoe	031131	Shubert	KWN41	162.500	ALL
Pawnee	031133	Shubert	KWN41	162.500	ALL
Perkins	031135	North Platte	WXI68	162.550	ALL
Phelps	031137	Holdrege	WXI75	162.475	ALL
Phelps	031137	Lexington	KGG99	162.425	ALL
Pierce	031139	Norfolk	WXI77	162.550	ALL
Platte	031141	Albion	WNG645	162.500	ALL
Platte	031141	Columbus	WNG549	162.450	ALL
Platte	031141	Norfolk	WXI77	162.550	ALL
Polk	031143	Columbus	WNG549	162.450	ALL
Polk	031143	Grand Island	WXI74	162.400	ALL
Red Willow	031145	Cambridge	KFC39	162.525	ALL
Red Willow	031145	Trenton	WNG524	162.500	ALL
Richardson	031147	Shubert	KWN41	162.500	ALL
Rock	031149	Bassett	WXI73	162.475	ALL
Saline	031151	Beatrice	K7769	162.450	ALL
Saline	031151	Lincoln	WXM20	162.475	ALL
Sarpy	031153	Lincoln	WXM20	162.475	ALL
Sarpy	031153	Omaha	KIH61	162.400	ALL
Saunders	031155	Columbus	WNG549	162.450	ALL
Saunders	031155	Lincoln	WXM20	162.475	ALL
Saunders	031155	Omaha	KIH61	162.400	ALL
Scotts Bluff	031157	Scottsbluff	WXI67	162.475	ALL
Seward	031159	Lincoln	WXM20	162.475	ALL
Sheridan	031161	Chadron	KXI20	162.525	ALL

Sheridan	031161	Merriman	WXI76	162.400	ALL
Sheridan	031161	Scottsbluff	WXI67	162.475	S 1/2
Sherman	031163	Grand Island	WXI74	162.400	ALL
Sherman	031163	Merna	WXN72	162.500	ALL
Sherman	031163	Ord	KWN62	162.525	ALL
Sioux	031165	Chadron	KXI20	162.525	ALL
Sioux	031165	Scottsbluff	WXI67	162.475	S 1/2
Stanton	031167	Norfolk	WXI77	162.550	ALL
Thayer	031169	Superior	WNG578	162.525	ALL
Thomas	031171	Mullen	KPS502	162.425	ALL
Thurston	031173	Norfolk	WXI77	162.550	ALL
Thurston	031173	Sioux City	WXI62	162.475	ALL
Valley	031175	Ord	KWN62	162.525	ALL
Washington	031177	Omaha	KIH61	162.400	ALL
Webster	031181	Superior	WNG578	162.525	ALL
Wheeler	031183	Albion	WNG645	162.500	ALL
Wheeler	031183	Bassett	WXI73	162.475	ALL
Wayne	031179	Norfolk	WXI77	162.550	ALL
Wheeler	031183	Ord	KWN62	162.525	ALL
York	031185	Grand Island	WXI74	162.400	ALL