

FOR IMMEDIATE RELEASE

**EEC to Provide 2 Ranger X-Band Dual Polarization Doppler Weather Radars to The NSF Center for the Collaborative Adaptive Sensing of the Atmosphere (CASA), Dallas/Fort Worth (DFW) Urban Demonstration Network, for Flooding and Hazardous Weather**

ENTERPRISE, AL, MAY 1, 2013 – EEC announced today, that it has been awarded a contract from the University of Oklahoma (OU) for 2 Ranger-X1 dual polarization systems to be deployed as part of the Collaborative Adaptive Sensing of the Atmosphere (CASA) Dallas/Fort Worth (DFW) Urban Demonstration Network test bed project. CASA is an NSF Engineering Research Center that includes OU, University of Massachusetts-Amherst, Colorado State University, and other stakeholders. The test bed project is centered on the deployment of a network of 8 X-band radars in the DFW metropolitan area to demonstrate improved hazardous weather forecasts, warnings and response in a densely populated urban environment. The DFW test bed will lead the nation as a model for how to invest in basic research for the benefit of providing radar information to users in real-time for warning operations and research.

“The CASA test bed provides a unique national research testing ground for exploring the Network of Network (NoN) concept – the idea that optimal atmospheric analysis and prediction are made possible only through careful assimilation of data from a mix of observations from a wide variety of observing sensors. Operationally, the test bed provides a unique collaborative, adaptive network for providing real-time detection, tracking, and prediction of severe weather hazards, such as severe winds, hail, tornadoes, and flash flooding,” said Dr. Jerry Brotzge, Sr. Research Scientist at the OU Center for Analysis and Prediction of Storms, and Adjunct Associate Professor at the OU School of Meteorology

Systems delivered as part of the CASA program will provide more specific and detailed information to better monitor and track storms and precipitation in specific areas. These timelier weather readings will assist emergency management and meteorology officials to focus resources where and when the need is greatest, in order to better prepare residents on approaching hazardous weather in order to protect property and save lives.

“EEC’s compact and portable Ranger-X1 solution is the result of several years of innovation and development in collaboration with the prestigious Advanced Radar Research Center at the University of Oklahoma.” said Chris Goode, Vice President of Sales and Marketing of EEC. “Our Ranger-X1 is the perfect radar solution for CASA’s mission. We are honored and excited to be a part of such a strategic project and application of innovative weather radar technology.”

**About CASA**

CASA is a multi-sector partnership among academia, industry, and government dedicated to engineering revolutionary weather-sensing networks. CASA brings together a multidisciplinary group of engineers, computer scientists, meteorologists, as well as industry and government partners. CASA and the North Central Texas Council of Governments (NCTCOG) embarked to create the DFW Urban Demonstration Network. This project aims to overcome the effects of the earth's curvature and obstructions such as mountains and buildings by deploying low-cost networks of Doppler radars that operate at short range. Installed on existing rooftops and cell towers just a few miles apart, these small radars will communicate with one another to improve severe weather forecast warning and response. The mission of CASA is to demonstrate the value of collaborative, adaptive X-band radar networks to existing and future sensors, products,

performance metrics, and decision-making; and assess optimal combinations of observing systems. CASA receives funding from the NSF Accelerating Innovation Research program to develop public-private partnership models that can support the deployment of such networks across the nation.

**About EEC**

EEC is recognized as the world leader in the meteorological radar field since its inception in 1971 with more than 1,000 radar systems manufactured and delivered in the United States and over 90 countries worldwide. Since the founding of the company, EEC has consistently led the industry worldwide in the introduction of the latest available technology to enhance radar and data processing performance. A strong focus on innovation and technology infusion into the product line continues to be a driving factor in EEC's leadership position in the weather radar market. EEC's products and capabilities can be viewed at [www.eecradar.com](http://www.eecradar.com).

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