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HA Design Group Collaborates with PBS to implement its Disaster Recovery, Diversity & Maintenance Site (DDMS)

Springfield, Virginia -- PBS Technology and Operations has engaged HA Design of Springfield, VA, to assist with its project to create a fault tolerant technical platform for program distribution services known as the DDMS or the Disaster recovery, Diversity and Maintenance Site. The DDMS is a fully redundant system for broadcast programming distribution which will provide comprehensive back-up to the main PBS Network Operations Center (NOC). The site is being built at the Nebraska Educational TV (NET) location in Lincoln Nebraska. Among the PBS sequence of DDMS developments are:

- PBS back-up uplink services have moved from its Independent Hill, Virginia, site to the PBS facilities co-located with the NET location. The new uplink site is 1200 miles away from PBS's current Alexandria, Virginia, NOC.
- New comprehensive signal testing and monitoring systems are installed between the linked PBS facilities using DekTec solutions.
- A new origination facility design, based upon new concepts using software codecs and applications running on WinTel commodity hardware, is nearly complete. The Cinegy software platform used in the DDMS design includes MPEG transport stream acquisition, transcoding, and transmission support tightly integrated with a large MS SQL Server database and an online and offline archive.
- When the DDMS is operational, the PBS Media Operations Center (MOC), which receives and prepares the PBS programming inventory from producers throughout the country, will simultaneously feed the current NOC in Alexandria, VA, and the new back-up NOC, or DDMS site, located in Lincoln, Nebraska. The new DDMS will support remote monitoring and administration via IP gateways to be managed from the current PBS NOC location using present staff.

About PBS

[PBS](#), with its nearly 360 member stations, offers all Americans — from every walk of life — the opportunity to explore new ideas and new worlds through television and online content. Each month, PBS reaches nearly 123 million people through television and more than 21 million people online, inviting them to experience the worlds of science, history, nature and public affairs; to hear diverse viewpoints; and to take front row seats to world-class drama and performances. PBS' broad array of programs has

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been consistently honored by the industry's most coveted award competitions. Teachers of children from pre-K through 12th grade turn to PBS for digital content and services that help bring classroom lessons to life. PBS' premier children's TV programming and its website, pbskids.org, are parents' and teachers' most trusted partners in inspiring and nurturing curiosity and love of learning in children. More information about PBS is available at pbs.org, one of the leading dot-org websites on the Internet, or by following [PBS on Twitter](#), [Facebook](#) or through our apps for mobile devices. Specific program information and updates for press are available at pbs.org/pressroom or by following [PBSPressroom on Twitter](#).

About HA Design Group

HA Design Group of Springfield, Virginia is a full service broadcast and audiovisual design, engineering, and implementation firm. The HA Design Staff incorporates longstanding technical project expertise that have delivered state-of-the-art facility solutions utilizing industry-leading hardware/software components with forward-thinking computer/networking approaches. HA Design Group's previous radio and television designs and technical solution examples can be found at www.hadesign.net.

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