

# 2019 NCAA Division I Baseball Championship

## Replay Requirements - Regionals

The Division I Competition Oversight Committee has approved the expansion of video replay review for umpires to include the regional round for the 2019 NCAA Division I Baseball Championship. For the regional round, the NCAA is partnering with DVSPORT, Inc. (DVSPORT) to provide a centralized replay center (CRC). As part of this solution, the replay officials will be at an off-site location and each host institution will receive equipment from DVSPORT and be guided through the process of establishing video feeds and communication lines between the stadium and the CRC. Each host institution will need to meet minimum replay requirements and any expense associated with meeting those requirements is the sole financial responsibility of the host institution. These expenses cannot be submitted with your proposed budget to host a regional round of competition.

### What will be transmitted from the Host Institution Stadium to the CRC?

- TV Production Dirty Program Feed.
- Headset Communication with TV Producer.
- Headset Communication with Crew Chief and Umpires.

### Replay Personnel

- **Video Review Facilitator:** A host institution site representative from IT or Facilities that can work with DVSPORT on setting up the video encoder and Voice Over IP (VOIP) system at the host site and testing the video and communication transmission between the host site and the CRC. This person needs to be available to assist DVSPORT one day prior to the start of the games through the end of the last game in case testing or troubleshooting equipment is required.
- **Video Review Headset Assistant:** A host institution site representative that will serve as a headset assistant who can have the headset on near the field of play (dugout location that should be at the end of the dugout closest to home plate) to assist the umpires with the headsets during a review. The video review headset assistant must wear the headset the entire game. **This can be the same person as the Video Review Facilitator if the site prefers.** The Video Review Headset Assistant must also have a cell phone as a back-up form of communication, along with the power cord for the cell phone.

### Replay Equipment Provided by DVSPORT

- 1x Replay Case with a Video Encoding System and VOIP System inside.
- 3x DVSPORT Headsets and Beltpacks.

### Replay Setup

- The video review facilitator will set up the replay case that contains the video encoding and VOIP systems near the TV Truck.
- The following cables will be connected to the replay case.
  - 1x TV Production Dirty Program feed via a BNC Cable.
  - 1x XLR Cable that connects to the TV Producer headset.

- 1x XLR Cable that connects to the 2x DVSPORT headsets at field level for the Crew Chief and Umpire.
  - You will loop out of one of the DVSPORT headset beltpacks designated for the umpires into the second DVSPORT headset beltpack designated for the umpires.
- The DVSPORT headsets will be set up near the field of play (dugout location that should be at the end of the dugout closest to home plate) and a Video Review Headset Assistant will be positioned at that location to assist the umpires with the headsets during a review.
  - There needs to be enough XLR cabling that the video review headset assistant can come on to the field 30' to give the headsets to the umpires during a review.
- An analog phone with long distance dial-out capabilities should also be set up at the location of the Video Review Headset Assistant.
  - This will be used as a back-up if there are issues with headset communication during the game.
  - Another back-up form of communication will be the video review headset assistant's cell phone.
- No replay booth is required because the replay official will be located off-site at the CRC.

#### Minimum Replay Requirements for a Host Institution

- **Internet:** An internet connection for DVSPORT located at the TV Truck location with a minimum dedicated throughput of 40 mbps.
  - The Network Specifics for the Internet Connection:
    - **TCP/UDP Connection:** Two outbound TCP and UDP connections are required. The connection must be stateful or bidirectional.
    - **Router/Firewall:** The video encoder and voice-over IP system will be connected to a DVSPORT provided router and be protected by its firewall.
    - **Network Ports:** Please ensure the following ports are open on the IP address.

IP Address	Port Number	Inbound/Outbound	Port Type	Purpose
TBD	5000-5020	Outbound (bidirectional)	TCP/UDP	Video
TBD	6000	Outbound (bidirectional)	TCP/UDP	Communication
TBD	7001	Outbound (bidirectional)	TCP/UDP	DVSPORT

- **Intercom Lines:** Two XLR lines between the TV Truck location and designated Video Review Headset Assistant location.
  - An example of the type of XLR cabling we are requesting is a Belden 8723. Any cabling of similar spec is acceptable.
  - The XLR cabling the school provides should be long enough for the video review assistant to get the headsets 30' on the field for the umpires during a review.
- **Power:** There must be a power outlet at the TV Truck Location designated for the DVSPORT Replay Case. There must also be a power outlet at the Video Review Headset Assistant location so they can keep their cell phone charged during the course of the day.
- **Phone Line:** The host institution should ensure that the location of the Video Review Headset Assistant has an analog phone line (with long distance dial-out capabilities) that is installed and working properly.

### **DVSPORT Survey**

- Please complete the following site survey (<https://goo.gl/forms/fnEG7jhAXtzxslw2>) **by April 15** so DVSPORT can better understand how prepared you are for replay and consult with you on any questions you have leading up to the championship.

If you have any questions in regard to replay expectations or preparations, please contact DVSPORT at 412-788-9070 or [replaysupport@dvsport.com](mailto:replaysupport@dvsport.com).