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## MULTILATERAL PRE-MATCH PITCHSIDE PRESENTATION AND POST-MATCH FLASH INTERVIEW POSITIONS

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The positions provided by the host broadcaster for pitchside presentations and post-match in the flash interview area for interviews in the flash position should be equipped with a microphone and windshield.

A UNL windshield will be provided for the microphone and must be used.

Unilateral broadcast partner microphone cubes may be used below UNL windshields for unilateral and multilateral pitchside presentation positions, but not for the post-match flash interviews in the multilateral position.

Microphones with either omnidirectional or cardioid patterns may be used, and dynamic microphones are recommended as they are more robust than condenser types in this type of application.

There should be a spare microphone and cable at each position.

The pre-match position should also be able to receive an IFB talkback or mix-minus audio feed provided by the broadcast partners that have booked each time slot. These will usually be received by a dial-up telephone line in the multilateral truck, which will interface with the line via a telephone balancing unit and then feed into a reporter's earpiece in a suitable way.

In order to comply with health and safety regulations, reporters must be able to adjust the audio level into their ears themselves.

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## CROWD COVERAGE (STEREO AND 5.1)

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The main crowd microphones must be placed so that they provide an exciting and stable sound image which complements the view from the main camera position.

The main stereo microphone and surround microphone or array (and spares) must be placed so that they provide an audio image that complements the view of the main camera position. Neither may obscure any camera angle.

The choice of microphone and positioning are crucial to producing a good 5.1 ambience. The surround microphone or array should produce a coherent fold-down when mixed into stereo or mono, with the minimum of audio artefacts or comb-filtering effects. The left-right orientation must be checked during and after rigging.

Microphones should be positioned at least 20m from individual crowd members so that individual voices and clapping are not directly picked up.

The intention is to provide a good audio ambience. Microphones should not be placed adjacent to the commentary positions or PA loudspeakers.

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## OTHER MICROPHONES

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Microphones should be attached to any cameras at pitch level covering the game or the crowd, as well as any handheld steadicams and the tunnel camera.

A boom-pole radio microphone should be used to cover the coin toss on the pitch before kick-off but must be used discretely, and must remain out of the shot at all