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Rev	Date	Description	Prepared By
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1.0 BROADBAND CONNECTIVITY REPORT

There shall be a nominated service provider (e.g. incoming telecommunication services to the arena). Proposed is two 10Gbps fibre connections into the Arena.

The purpose of this provision is to allow connection for the end user/spectator to enhance their engagement in certain events, allow upload to social media or download event information via client app and cashless catering etc. Operationally this will be used for remote monitoring of network and the health of other IP systems that sit on the network as well as general staff use.

These services will be accommodated with physically diverse underground ducts from two points on the project boundary. These ducts will route to/interface with telecommunications building entrance facilities (BEF's) allocated within the building. Necessary external telecommunication chambers/pull boxes will be implemented as required by the service provider.

The chosen service provider shall ensure that the diverse routes are provided from separate network exchanges (both logically and physically). This will ensure redundancy and security for telecommunication services to the arena.

Within the arena, a Primary BEF (BEF-00-01) and Secondary BEF (BEF-00-02) is provided. These are located at diagonals to each other on the Ground Floor level.

Service provider cables shall be terminated/route through the BEF's. The necessary termination equipment/enclosures will be supplied and installed by the service provider.

In the event of a service provider failure, diverse routes from separate exchange centres along with separate terminations in both BEF's allow for event continuity.

An initial infrastructure survey (civil works) has been carried out by Openreach to assess the feasibility of providing the above service to the Arena. Openreach have confirmed this is possible.

The two 10Gbps connections will be provided as part of a turnkey solution by the successful bidder of the active network (CNS). This is currently in the tender process.

Exact requirements and routing will be determined through consultation and subsequent review processes with the Telecom Carrier, to take place at a later stage of the detailed design process.