

# **RFP for IoT Connectivity**

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## Excerpt

### 4.1 Technology

Please provide detailed descriptions on the technical functionality of the network underpinning your connectivity services, these to include the following Evaluation Criteria as guidance but the responder is invited to include additional information as appropriate.

<b>Evaluation Criteria</b>	<b>Response Prompts</b>
Connectivity Service description.	Does the connectivity service run on your own network? What elements of the end to end network do you own – wide area radio access, local loop, local area radio access, satellite? If all or part of the connectivity service does not run on your own network (Virtual Network Operator) please describe how this works and the relationships you have with network infrastructure providers.
Service Coverage	Please describe the geographic coverage offered at the global, regional and local levels.
Technology Options	What connectivity technologies do you offer on your network? Licensed cellular wireless: 2G, 3G, 4G, NBloT (any variations of these?) Non Cellular wireless: LoRa, Sigfox, Other unlicensed LAN/Mesh: Wifi, Zigbe, IEEE 802.11g Landline: xDSL, leased line, VPN Satellite: LEO, GEO.
Available Data Rates	Given the technologies running on your network, what uplink and downlink data rates do you expect for each technology type. It is understood that there are a number of factors affecting data rates but please provide some typical data rates for each technology type you offer.
Latency	Some IoT applications have varying sensitivity to latency in the network. Even within the same technology type there are variations. Please provide typical latency data for each technology type you offer.
Payload	What payload sizes are supported for each technology type
In Building/In Ground Capability	Some technologies work better than other for applications where the IoT device is inside a building, in a basement or under the ground. Please provide case studies with your recommended connectivity