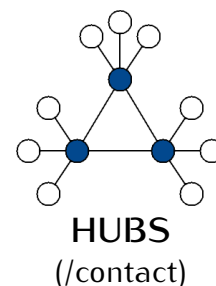


No. RFQ14040700



Request for Quotes: Licensed wireless equipment for West Coast Backbone

Open

Okapi Communications together with HUBS and community network operators on the West coast of Scotland is planning a high-capacity backbone to link these networks together and to upstream connectivity in Fort William and eventually Kyle of Lochalsh and Oban. The proposed network spans some 200km of hills and sea.

Related RFQ: [RFQ14041000 Ethernet circuit - Fort William to Edinburgh \(/procurement/RFQ14041000\)](/procurement/RFQ14041000)

Many of the communities involved operate their own local networks and have done for some time. The purpose of this RFQ is to ascertain costs for licensed wireless links to connect them together. Initial capacity required on each link is in the neighbourhood of 100Mbps but should be upgradeable to several hunderd Mbps. In all cases the interface should be 1000BaseTX and the radio equipment should pass 802.1q and MPLS frames without modification.

Sites germane to this RFQ are as follows:

Site	Latitude	Longitude	Height
ALC	56.827017	-5.054316	261
EIG	56.883876	-6.157622	231
GLB	57.240883	-5.615765	374
KLE	56.868345	-5.309940	444
MHC	56.838641	-5.084208	9
RAN	56.878275	-5.513331	291

The heights in the table are ground level in meters above sea level. Masts are taken to be 3m above ground level. Installation will normally be undertaken by ourselves with outside assistance as needed.

In total there are some 6-10 links involved in the project, most of them medium-long range, however representative ones for which the sites included in the above table were chosen are:

- ALC - MHC: a short link

- EIG - RAN: a medium distance link
- EIG - KLE: a long link with no risk of tidal multipath
- EIG - GLB: a long link with tidal multipath

For each of these representative links, please reply with recommendations and pricing mentioning:

- Frequency band
 - Radio equipment
 - Antennas
 - Mounting requirements
 - Any special requirements
 - Volume purchase discount scale
-

Queries and responses are requested by email to procurement@hubs.net.uk (mailto:procurement@hubs.net.uk) please mention the RFP number above in the Subject header.

For questions and clarifications, email is best but we may also be contacted by telephone at +44 131 608 0504 (tel:+441316080504).