

1 Q. Please identify and describe the operation of the monitoring equipment to be used  
2 on the SOBI cables.

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5 A. Distributed Temperature Sensing (DTS) technology will be employed on the SOBI  
6 cables. DTS technology relies on time domain reflectrometry (sending a pulse of  
7 light into an optical fibre embedded in the power cable) and Raman backscattering.  
8 The extent to which Raman backscattering occurs is dependent on temperature,  
9 and thus can be used as a temperature measurement mechanism.

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11 The DTS equipment will be supplied and installed by the submarine cable supplier.