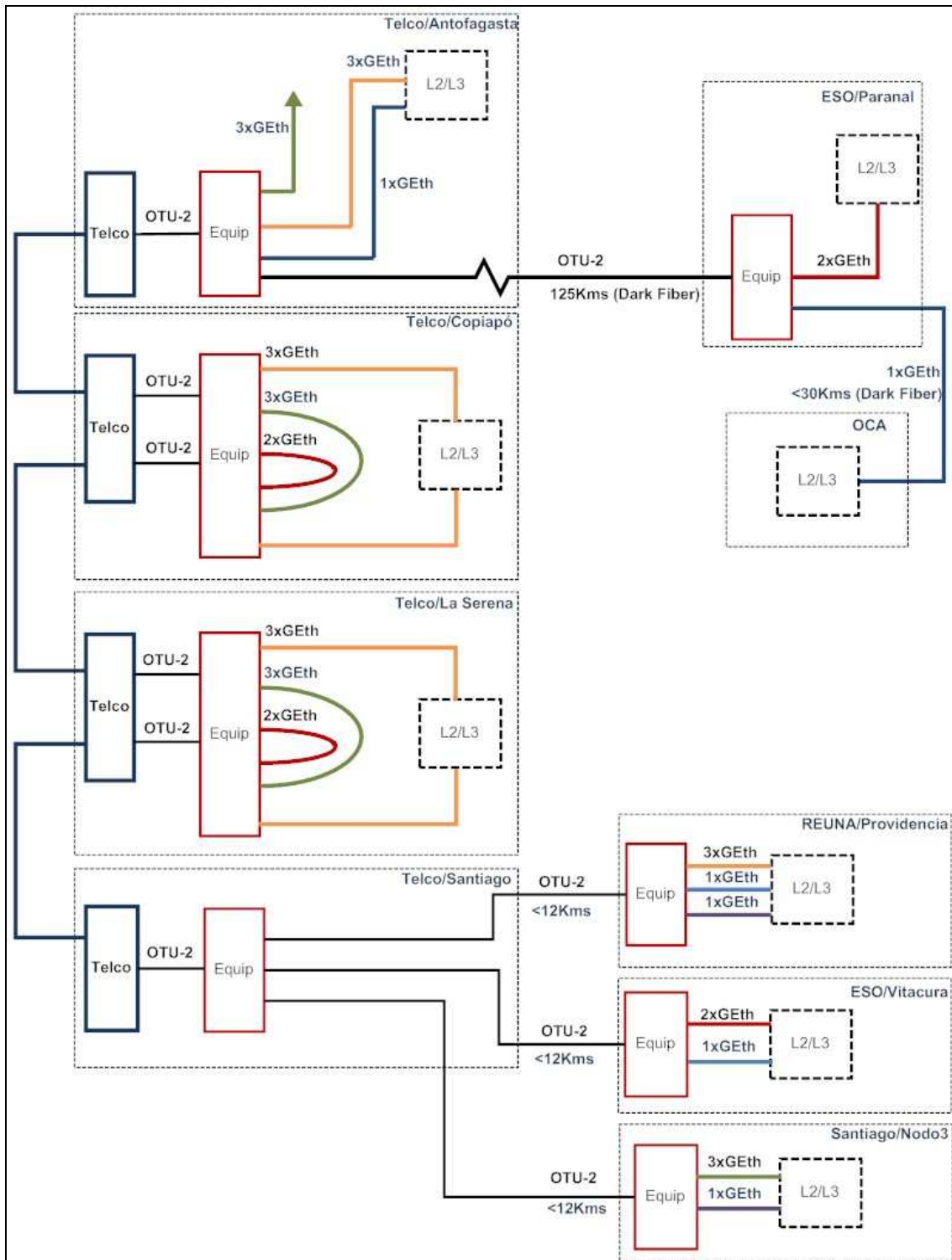


Annex C

Detail Equipment Diagram

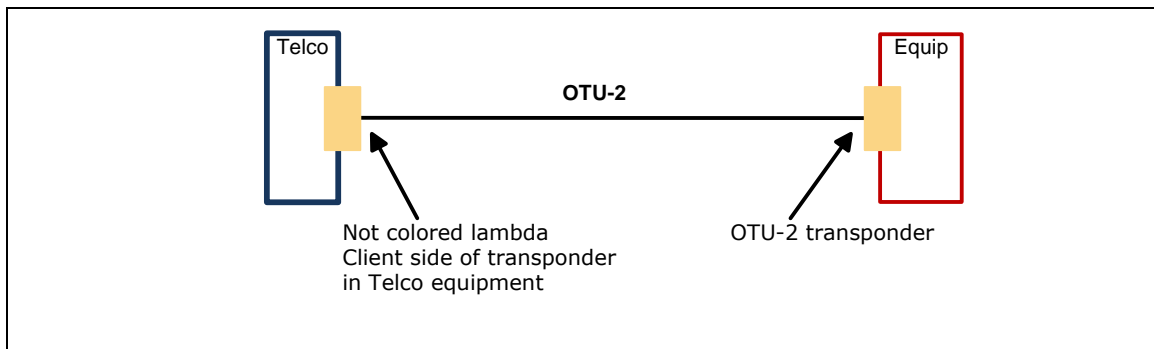
The following diagram shows in detail but in a conceptual manner the equipments required in this ITT.



Follows explanation of relevant issues:

1. Telco interconnection.

EVALSO equipment (Equip) interconnect with Telco equipment (Telco) through an OTU-2 interface, as shown in following diagram.



There are two kind of interface facing the Telco equipment, the equipment included in this tender proposal need to be compatible with both

Interface Type 1:

Wavelength range Tx: 1530 a 1565 nm
Optical Power Tx (max): 2bBm
Optical Power Tx (min): -1bBm
Wavelength range Rx: 1260 a 1605 nm
Sensibility Rx: -14dBm
Fibre: Monomode

Interface Type 2:

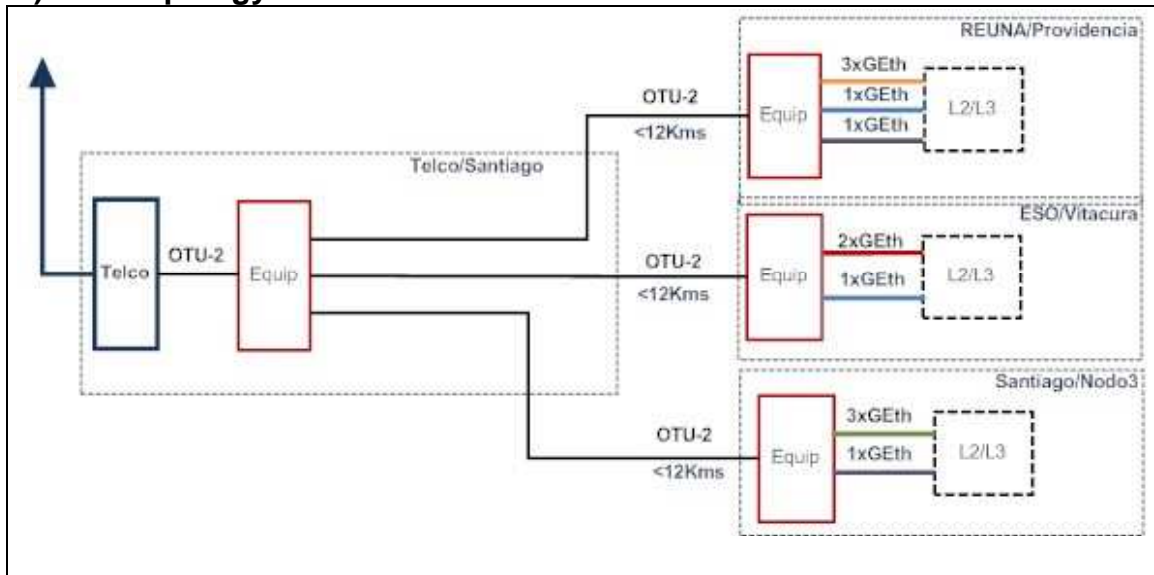
Wavelength range Tx: 1530 a 1565 nm
Optical Power Tx (max): 2bBm
Optical Power Tx (min): -4,7bBm
Wavelength range Rx: Information not available
Sensibility Rx: -14dBm
Fibre: Monomode

The equipment proposed in this ITT has to be compatible with the Telco equipment in an OTU-2 interconnection. The equipment of the Telco is a Huawei equipment.

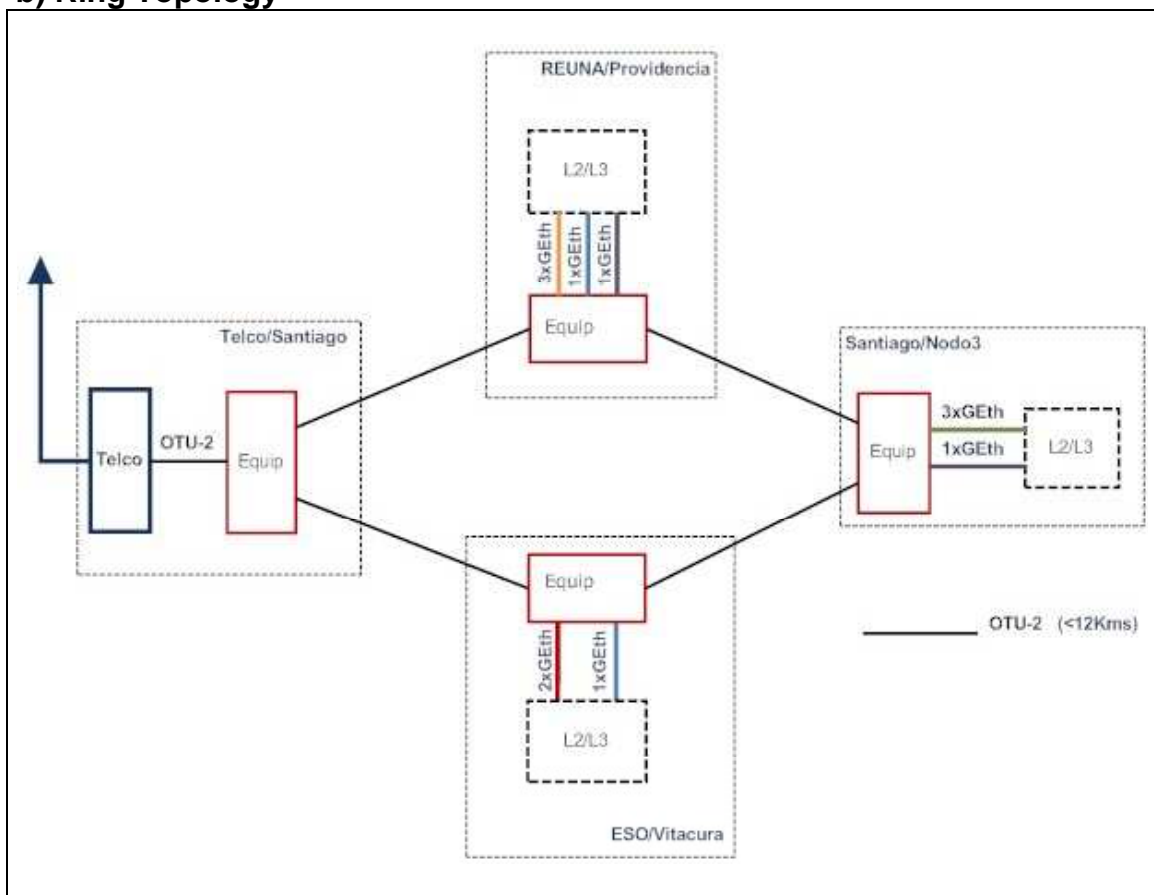
2. Topology in Santiago.

In the offer, for Santiago nodes, present two options: Star Topology and Ring Topology. Following diagrams explain both scenarios

a) Star Topology



b) Ring Topology





3. Hosting of EVALSO equipment:

In node Telco/Santiago, EVALSO equipment will be hosted in the same physical space than the DWDM Telco equipment.

In the other sites there are two possibilities. The same as in Telco/Santiago, or in external offices but less than 12Kms of distance (connected by dark fibre).

In all cases the equipment proposed need to consider all the elements to have a fully working system.

4. L2/L3 equipment.

The location of this equipment has two possibilities:

In the same room than the DWDM equipment.

In a different location no far than 12kms from the DWDM equipment

5. Add&drop points

As mentioned, EVALSO generates synergy with the Research and Education Networks, REUNA and RedCLARA. Technically this means the lambda will be added & dropped again in Copiapo and La Serena. In this two nodes there are traffic that must pass in a transparent way and other traffic that will be down to a L2/L3 equipment, as is shown in the first figure of this Annex.