

**IFIB Number:**

**IFIB-SACT-ACT-19-37**

**Reference:**

**Q&A #2**

**Date of Issue:**

**11 July 2019**

The following questions were raised with respect to subject IFIB/RFP. Responses are to provide clarification.

<b>Question</b>	<b>Response</b>
1. <b>BACKBONE Vertical (Between Floors) – CORE to Distribution Cabinets.</b> Total number of Vertical Connections (CORE) or Vertical BACKBONE and type of fiber to be used? Singlemode?	TAF BLDG will connect to bunker using current fibers. No works involving vertical connections either to CORE and/ or BACKBONE.
2. Type of fiber tray terminations?	LC Duplex.
3. Type of network electronics terminations to be connected in this segment? Gbics LC Duplex or SC Duplex?	LC Duplex
4. <b>BACKBONE Horizontal (per floor) – Distribution Cabinets to work areas:</b> Total number of Horizontal or Horizontal Backbone links and type of fiber to use?	Multi-mode OM4 (please see attached floor plans)
5. Type of fiber tray terminations?	LC Duplex.
6. Type of network electronics terminations to connect in this segment?	LC Duplex.
7. Each cabinet how many networks will be installed?	(CSU Lisbon answer) If by ‘cabinets’ should be understood ‘racks’, it will be one network per rack (one for NS and one for NU).It should be considered that MS runs over NS infrastructure, so, the rack for NS will have also MS, but in what concerns to cabling from backbone and to horizontal distribution there will be no separation. Separation will be logical. In short, one rack/fiber/NS and MS; one rack /coper/NU (as it is now).

8. The three networks (NU, NS and MS) in MM Fiber MM4?	NS/ MS is OM4. NU will be Copper (UTP, cat 6A). Contractors should be notified of this decision.
9. a) Which grids will be in copper category 6A? b) Only the voice network? c) Another?	a & b) VoIP will run over NU network, so it will be Copper (UTP, cat 6A). c) The NU network should be copper cat 6A as this contains the VoIP network.
10. As military networks, should copper cables not be UTP? (unshielded)?	UTP.
11. Are hybrid patch cords needed – LC to SC? How many? Fiber type, SM or MM?	MM LC to SC will be required for all NS/ MS workstations and VoSIP. This can be purchased separately.
12. <b>Electric network:</b> What is the power of the air conditioners and how many units to be installed, with a view to resizing the frame?	10.000 BTUs – 10 Units 12.000 BTUs – 56 Units 15.000 BTUs – 7 Units 18.000 BTUs – 5 Units 21.000 BTUs – 5 Units 24.000 BTUs – 1 Unit 28.000 BTUs – 2 Units 34.000 BTUs – 1 Unit
13. <b>Administrative issues:</b> How can we get the plants from the places where the work will take place?	Please review submitted floor plans
14. Will we be allowed to work 24 / 24h?	SFN authorized working hours: 0600-2000. Outside of the approved schedule, authorization will be granted on a case by case basis (to be requested well in advance).  CSU Lisbon works Monday to Friday, 08.30 to 17.30, except on Friday – 08.30 to 15.30 (LT).
15. Using the same mats / rails, there are currently other cables related to the security system and TV. Who is responsible for handling these items and what is the destination to give them?	There are two different situations related to this cables: 1 – If the cables are only to be moved from one place to the other (don't need to be cut, changed or added), that task is the responsibility of the contractor with the supervision of the PRT security team. 2 – If the cables are to be changed (cut or added), this action are to be requested to the PRT security team.

16. Who decides / defines which walls should be removed and who performs this work?	The decision was already taken. We have already the final floor plans and they were showed to all the bidders during the site survey. Nevertheless, this work is not in the scope of this contract.
17. How will the payment be processed?	Payments will be processed after each milestone tasking event is accomplished. Payment will be made once the COTR certifies the work is satisfactorily complete and will be processed within 30 days of receipt of invoice.