SITE SURVEY REPORT

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# Section I: GENERAL INFORMATION

| **Item** | **Details** |
| --- | --- |
| Product to be installed | Centauri 1/Centauri 10 |
| Link Planning Tool Line of Sight Verified([link planning tool](https://link.ui.com/)) | Pass/Fail |
| Distance between Site A and SIte B |  |
| On Site Line of Sight Verified | Pass/Fail |
| Survey Date(s) |  |
| On Site Survey Performed by (SI Team Leader) | Name:Company:Email:Mobile:Sign: |
| Site Survey Approved by (Operator in Charge) | Name:Company:Email:Mobile:Sign: |
| Site Survey Verified by (Transcelestial) | Name:Email:Mobile:Sign: |

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# Section II: SITE A INFORMATION

| **Item** | **Details** |
| --- | --- |
| Site Address |  |
| GPS Coordinates |  |
| Building/Tower Height (above ground level) | Height:  |
| Site Type | * FREESTANDING MONOPOLE
* MONOPOLE ON BUILDING
* FREESTANDING LATTICE TOWER
* LATTICE TOWER ON BUILDING
* COW
* OTHERS (Please specify)
 |
| Mounting Pole Shape, Size and Height | * Cylindrical
* L-Shaped
* Square Shaped

Diameter/Width:Height:  |
| Angle to the ground(Ensure pole is vertical to ground, acceptable range: 87-93 degrees) | (Note: Device can compensate for maximum roll angle of 3 degrees) |
| Pole Installation Type and Point of Installation | * Pole mounted on concrete plinth (Overall dimensions 800mm x 800mm x 100mm)
* Pole mounted on wall
* Pole mounted on roof ledge
 |
| Installation Point:Distance from nearest anchor or stabilization point: | Distance: |
| Are there any potential sources of vibration (construction, machining shop, etc.) within 2m (7 ft) of the pole? | Yes/No |
| Mount Recommendation (round pole, 3 to 4 in/7.6 to 10.2 cm))Max diameter supported is 4 in/10.2 cm | Mount diameter:  |

## Site A: Photos

### Photos: Building/Tower/Infrastructure

### Photos: Pole and Mounting Point

Please indicate all possible options on photo

### Photos: Other devices installed on pole/site

### Photos: Miscellaneous

Please provide additional photos of site and surroundings as needed.

## SITE A: LINE OF SIGHT CHECK (to SITE B)

| **Item** | **Details** |
| --- | --- |
| Are there any obstructions to the line of sight? | Yes / No |
| Are there any large plants/trees that might grow to become an obstacle, or which may sway during heavy winds, becoming an obstacle? | Yes / No |
| Are there any HVAC (Heat, Vents and Air Conditioner exhausts) within 2 m/6.5 ft of the line of sight? | Yes / No |
| Any source of heat/smoke (air vents that collect kitchen exhaust, transformers) within 2m/6.5 ft of the line of sight? | Yes / No |

Photos of the line of sight (follow diagram/instructions below in taking the photos)


### No zoom with camera as placed in above diagram

Please indicate location of remote end of link (Site B)

### Maximum zoom with camera as placed in above diagram.

Please indicate location of remote end of link (Site B)

### Video of line of sight from Site A towards Site B

Take a video of the line of sight (Attach link to file if using shared storage service like Google Drive, Dropbox, MS OneDrive, etc)

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## SITE A: POWER

### Power source(s) and installation

| **Item** | **Details** |
| --- | --- |
| Electrical tapping point | * Electrical box on pole
* Electrical room
 |
| Power Availability (Voltage and breaker current) | * AC: Voltage/Current
* DC: Voltage/Current
 |
| Distance from tapping point to CENTAURI |  |
| Grounding available on Pole | Yes / No  |
| If DC power supply, please specify cable specs | DC cable length: DC cable diameter: |
| Power Recommendation | PoE (max 50m) / 48V DC |

### Photo(s)

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## SITE A: NETWORK

### Network equipment and configuration

| **Item** | **Details** |
| --- | --- |
| Network element for optical data | Switch ID |
| Manufacturer and Model |  |
| Interface port number |  |
| Interface Type | * SFP
* SFP+
* XFP
* Other (please specify)
 |
| Interface Fiber mode | Single mode / Multimode |
| Interface Fiber connector | * LC
* SC
* Other (please specify)
 |
| Interface Wavelength |  |
| Network element for 100BASE-T MANAGEMENT(**ONLY IF OUT-OF-BAND**) | Switch ID |
| Manufacturer and Model |  |
| Interface Port Number |  |
| Management Cable | * Direct CAT6A U-STP (up to 100m)
* CAT6A U-STP with range extender (up to 200m)
 |

### Photo(s)

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# Section III: Site B INFORMATION

| **Item** | **Details** |
| --- | --- |
| Site Address |  |
| GPS Coordinates |  |
| Building/Tower Height (above ground level) | Height:  |
| Site Type | * FREESTANDING MONOPOLE
* MONOPOLE ON BUILDING
* FREESTANDING LATTICE TOWER
* LATTICE TOWER ON BUILDING
* COW
* OTHERS (Please specify)
 |
| Mounting Pole Shape, Size and Height | * Cylindrical
* L-Shaped
* Square Shaped

Diameter/Width:Height:  |
| Angle to the ground(Ensure pole is vertical to ground, acceptable range: 87-93 degrees) | (Note: Device can compensate for maximum roll angle of 3 degrees) |
| Pole Installation Type and Point of Installation | * Pole mounted on concrete plinth (Overall dimensions 800mm x 800mm x 100mm)
* Pole mounted on wall
* Pole mounted on roof ledge
 |
| Installation Point:Distance from nearest anchor or stabilization point: | Distance: |
| Are there any potential sources of vibration (construction, machining shop, etc.) within 2m (7 ft) of the pole? | Yes/No |
| Mount Recommendation (round pole, 3 to 4 in/7.6 to 10.2 cm))Max diameter supported is 4 in/10.2 cm | Mount diameter:  |

## Site B: Photos

### Photos: Building/Tower/Infrastructure

### Photos: Pole and Mounting Point

Please indicate all possible options on photo

### Photos: Other devices installed on pole/site

### Photos: Miscellaneous

Please provide additional photos of site and surroundings as needed.

## SITE B: LINE OF SIGHT CHECK (to SITE A)

| **Item** | **Details** |
| --- | --- |
| Are there any obstructions to the line of sight? | Yes / No |
| Are there any large plants/trees that might grow to become an obstacle, or which may sway during heavy winds, becoming an obstacle? | Yes / No |
| Are there any HVAC (Heat, Vents and Air Conditioner exhausts) within 2 m/6.5 ft of the line of sight? | Yes / No |
| Any source of heat/smoke (air vents that collect kitchen exhaust, transformers) within 2m/6.5 ft of the line of sight? | Yes / No |

Photos of the line of sight (follow diagram/instructions below in taking the photos)


### No zoom with camera as placed in above diagram

Please indicate location of remote end of link (Site B)

### Maximum zoom with camera as placed in above diagram.

Please indicate location of remote end of link (Site A)

### Video of line of sight from Site B towards Site A

Take a video of the line of sight (Attach link to file if using shared storage service like Google Drive, Dropbox, MS OneDrive, etc)

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## SITE B: POWER

### Power source(s) and installation

| **Item** | **Details** |
| --- | --- |
| Electrical tapping point | * Electrical box on pole
* Electrical room
 |
| Power Availability (Voltage and breaker current) | * AC: Voltage/Current
* DC: Voltage/Current
 |
| Distance from tapping point to CENTAURI |  |
| Grounding available on Pole | Yes / No  |
| If DC power supply, please specify cable specs | DC cable length: DC cable diameter: |
| Power Recommendation | PoE (max 50m) / 48V DC |

### Photo(s)

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## SITE B: NETWORK

### Network equipment and configuration

| **Item** | **Details** |
| --- | --- |
| Network element for optical data | Switch ID |
| Manufacturer and Model |  |
| Interface port number |  |
| Interface Type | * SFP
* SFP+
* XFP
* Other (please specify)
 |
| Interface Fiber mode | Single mode / Multimode |
| Interface Fiber connector | * LC
* SC
* Other (please specify)
 |
| Interface Wavelength |  |
| Network element for 100BASE-T MANAGEMENT(**ONLY IF OUT-OF-BAND**) | Switch ID |
| Manufacturer and Model |  |
| Interface Port Number |  |
| Management Cable | * Direct CAT6A U-STP (up to 100m)
* CAT6A U-STP with range extender (up to 200m)
 |

### Photo(s)

# Section IV: APPENDIX

## See the following documents for additional information on guidance for selecting appropriate sites and for detailed instructions for installing CENTAURI.

## [Site Selection Best Practice Guide](https://support.transcelestial.com/support/solutions/articles/51000235506-centauri-site-survey-tool-sst-and-site-selection-guide)

1. [CENTAURI Product Manual](https://support.transcelestial.com/support/solutions/articles/51000235505-centauri-product-manual-)