SITE SURVEY REPORT

**Table of Contents**

[**Section I: GENERAL INFORMATION**](#_heading=h.ucagawgg8co8) **3**

[**Section II: SITE A INFORMATION**](#_heading=h.o6tt0ez5afhk) **4**

[Site A: Photos](#_heading=h.22m2zg3toun4) 6

[Photos: Building/Tower/Infrastructure](#_heading=h.3wkilz6cuwab) 6

[Photos: Pole and Mounting Point](#_heading=h.wrq57wxch4ue) 7

[Photos: Other devices installed on pole/site](#_heading=h.e8m0pmum74ox) 8

[Photos: Miscellaneous](#_heading=h.i4b4rx9s1j35) 8

[SITE A: LINE OF SIGHT CHECK (to SITE B)](#_heading=h.ryfmixelv3jw) 9

[No zoom with camera as placed in above diagram](#_heading=h.ofc8lhkmsgby) 10

[Maximum zoom with camera as placed in above diagram.](#_heading=h.id2hrtzaeah3) 10

[Video of line of sight from Site A towards Site B](#_heading=h.ymgnkeiy3c5o) 10

[SITE A: POWER](#_heading=h.r8sj46cg55ka) 11

[Power source(s) and installation](#_heading=h.jemxdxnfc1m2) 11

[Photo(s)](#_heading=h.cacz9258trco) 11

[SITE A: NETWORK](#_heading=h.b0tglk8g6tf6) 12

[Network equipment and configuration](#_heading=h.jxtkez5qxn63) 12

[Photo(s)](#_heading=h.dbhntakes51) 12

[**Section III: Site B INFORMATION**](#_heading=h.e1a8fkpwmev4) **13**

[Site B: Photos](#_heading=h.egr8lnhs6win) 15

[Photos: Building/Tower/Infrastructure](#_heading=h.1w8aqom5ky6z) 15

[Photos: Pole and Mounting Point](#_heading=h.opcn1hg09hsn) 16

[Photos: Other devices installed on pole/site](#_heading=h.gvle0t7voth7) 17

[Photos: Miscellaneous](#_heading=h.tm8cghm0m6bg) 17

[SITE B: LINE OF SIGHT CHECK (to SITE A)](#_heading=h.vqn1uylwbp4g) 18

[No zoom with camera as placed in above diagram](#_heading=h.fueprvt4k8k) 19

[Maximum zoom with camera as placed in above diagram.](#_heading=h.xz6ro7xno5ws) 19

[Video of line of sight from Site B towards Site A](#_heading=h.qlcjss59tqw4) 19

[SITE B: POWER](#_heading=h.mt89lbu4x1fi) 20

[Power source(s) and installation](#_heading=h.201rzqa7ph1z) 20

[Photo(s)](#_heading=h.un28f2n26am4) 20

[SITE B: NETWORK](#_heading=h.wirmc2s21gdh) 21

[Network equipment and configuration](#_heading=h.5x305rd7p2uw) 21

[Photo(s)](#_heading=h.hrmxrk6zg9b0) 22

[**Section IV: APPENDIX**](#_heading=h.krgptwjmc5cv) **23**

[See the following documents for additional information](#_heading=h.z7k77cg2o8yj) 23

[Site Selection Best Practice Guide](#_heading=h.pryr6xjy88vc) 23

[Using Power over Ethernet (PoE) and Management Cable](#_heading=h.rfeeuw7cvetp) 23

[Using Management Cable without PoE](#_heading=h.f4e68zqejb5j) 24

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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

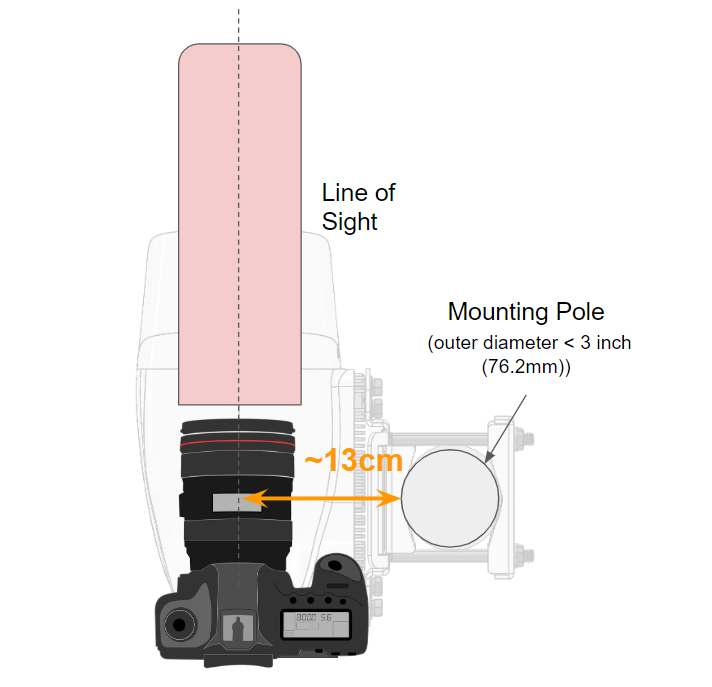
### Photos: Other devices installed on pole/site

### 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

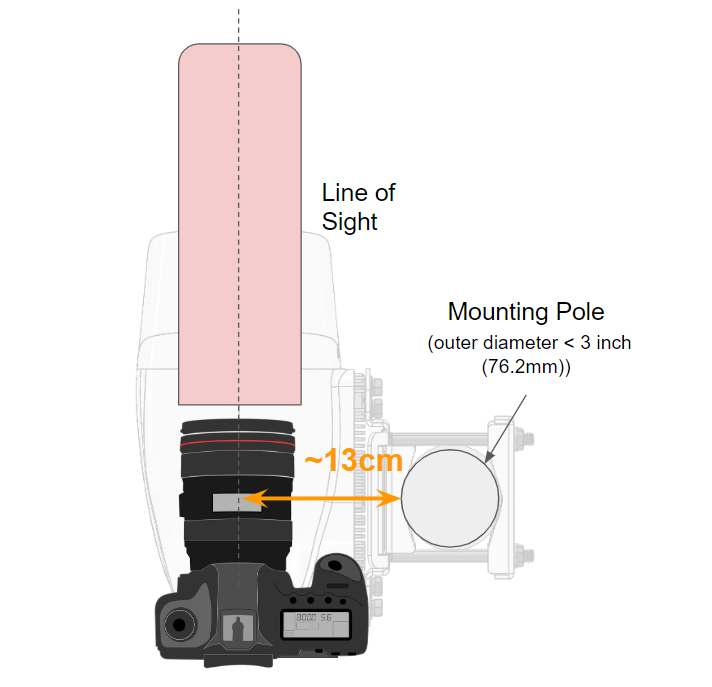
### Photos: Other devices installed on pole/site

### 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-)