***Attention ACCESS SEEKER***

1. *Kindly* ***ADD*** */* ***DELETE*** *rows and content with the below table as required, ensuring that the existing table format is preserved.*
2. *Typically the top section of the ‘***ANTENNAE / ANCILLARIES’** *block is reserved for recoveries, whilst new elements usually appear in the bottom block (refer to the examples below).*
3. *When swapping out elements, it would facilitate the process for you to quote ‘****CANRaD Id****’ and ‘****CANRaD Status****’ allocated to existing elements, as per the information provided to you at Level 1.*

|  |
| --- |
| **-+ A SCHEDULE OF WORKS AS PROPOSED BY THE ACCESS SEEKER +-** |
|  |
| **⮋** | **CHECK THE BOX IF THE TELSTRA ASSET IS TO****BE UPGRADED / MODIFIED / AUGMENTED** | **PROVIDE A CONCISE DESCRIPTION HERE, WITH FULL DETAIL & METHOD****OF PROCEDURE TO BE PROVIDED IN THE TENDERED DOCUMENTATION** |
| **☐** | **STRUCTURE ( TOWER, POLE, MAST )***e.g. Pole swapout, strengthening, footing augmentation, new / replacement headframe etc.* |  |
| **☐** | **EXCHANGE BUILDING***e.g. Rooftop, exterior wall mounts etc.* |  |
|  |
| 1. **ANTENNAE / ANCILLARIES .LEGEND.** **element type:** **A ANTENNA F FEEDER J JUNCTION DEVICE T TRANSCEIVER** **alignment: B BASE|LINE C CENTRE--LINE R REAR\MOUNTED S |STRUCTURE MOUNTED**
 |
| Action | CANRaD Id | Element Make & Model | Type | Qty | PerAnt | Hgt **M** | Azi **°** | Len m | CANRaD Status |
| **A** | **???** | **A?** | **?** | **???** | **?** |  | **?** | **C** | **?** |  | **???** |
| **A** | **???** | **A?** | **?** | **???** | **?** |  | **?** | **C** | **?** |  | **???** |
| **F** | **???** | **F?** | **?** | **???** | **?** | **?** |  |  |  | **?** | **???** |
| **F** | **???** | **F?** | **?** | **???** | **?** | **?** |  |  |  | **?** | **???** |
| **J** | **???** | **J?** | **?** | **???** | **?** | **?** | **?** | **C** | **?** |  | **???** |
| **J** | **???** | **J?** | **?** | **???** | **?** | **?** | **?** | **C** | **?** |  | **???** |
| **T** | **???** | **T?** | **?** | **???** | **?** | **?** | **?** | **C** | **?** |  | **???** |
| **T** | **???** | **T?** | **?** | **???** | **?** | **?** | **?** | **C** | **?** |  | **???** |
| Comments | **?** |
| **A** | **???** | **A?** | **?** | **???** | **?** |  | **?** | **C** | **?** |  | **???** |
| **A** | **???** | **A?** | **?** | **???** | **?** |  | **?** | **C** | **?** |  | **???** |
| **F** | **???** | **F?** | **?** | **???** | **?** | **?** |  |  |  | **?** | **???** |
| **F** | **???** | **F?** | **?** | **???** | **?** | **?** |  |  |  | **?** | **???** |
| **J** | **???** | **J?** | **?** | **???** | **?** | **?** | **?** | **C** | **?** |  | **???** |
| **J** | **???** | **J?** | **?** | **???** | **?** | **?** | **?** | **C** | **?** |  | **???** |
| **T** | **???** | **T?** | **?** | **???** | **?** | **?** | **?** | **C** | **?** |  | **???** |
| **T** | **???** | **T?** | **?** | **???** | **?** | **?** | **?** | **C** | **?** |  | **???** |
| Comments | **?** |
|  |
| **Telstra internal use only** | **CANRaD ‘Status’ rollover :** | **.L2.** | **dd/mm/yy** | **.L3.** | **dd/mm/yy** | **.L6.** | **dd/mm/yy** |
|  |
| 1. **WITHIN COMPOUND / LEASE AREA**
 |
| 1. *?*
2. *Establish a new compound area*
3. *Install all new {and/or replacement} electronic transmission equipment within the Access Seeker’s existing shelter / hut / cabinet / outdoor unit on site*
4. *Construct a new equipment shelter / hut / cabinet / outdoor unit to accommodate the electronic transmission equipment associated with this proposal*
5. *Locate ??? new equipment racks [600mm x 600mm ] in Suite(s) ??? / Rack(s) ??? within the Telstra building on site to house the electronic support equipment associated with this proposal*
6. *No proposed upgrade works to the Access Seeker’s existing equipment within the Access Seeker’s existing shelter/hut/cabinet/Outdoor Unit (ODU) on site*
7. *No proposed upgrade works to the Access Seeker’s existing equipment located within the Telstra Building on site*
8. *Supply and install power and earthing in compound area*
9. *Supply and install a new 300mm / 450 mm cable tray from shelter to pole / on pole exterior*
10. *Commission an upgrade to existing transformer / incoming mains power &/or mains cables*
11. *Trenching within the site is required for optical fibre as per submitted drawing no. ???*
 |

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| **HOW TO COMPLETE THE SOPW TABLE** |

|  |  |  |
| --- | --- | --- |
| **⮋** | **CHECK THE BOX IF THE TELSTRA ASSET IS TO****BE UPGRADED / MODIFIED / AUGMENTED** | **PROVIDE A CONCISE DESCRIPTION HERE, WITH FULL DETAIL & METHOD****OF PROCEDURE TO BE PROVIDED IN THE TENDERED DOCUMENTATION** |
| **☐** | **STRUCTURE ( TOWER, POLE, MAST )***e.g. Pole swapout, strengthening, footing augmentation, new / replacement headframe etc.* |  |
| **☐** | **EXCHANGE BUILDING***e.g. Rooftop, exterior wall mounts etc.* |  |

|  |
| --- |
| *Use the space provided in the above section to describe any major works proposed for the Telstra structure, and Exchange building* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Action** |  |  |  |  |  |  |  |  |  |
| **A** | **???** |  |  |  |  |  |  |  |  |  |  |

|  |
| --- |
| **?** *the boxed character describes the designated element upon which an action is to be performed* |
| **A.ntenna** | *the chief element being mounted onto the structure, including camera, sensor, weather station etc.* |
| **F.eeder** | *the cable(s) connecting the main element to the transmit / receive equipment on the ground* |
| **J.unction device** | *ancillary element such as an amplifier, a splitter / combiner, a power pack etc.* |
| **T.ransceiver** | *a transmit / receive module, or odu* |

|  |
| --- |
| **???** *a drop-down selection list describing the work to be performed on the designated element* |
| **new** | *attach a new element to the structure* |
| **recover** | *remove an existing element from the structure* |
| **relocate** | *reposition an existing element somewhere else on the structure* |
| **reuse** | *retain an existing element on the structure, typically feeders / junction devices to be reattached to a replacement antenna* |
| **other** | *please describe the intended process which falls outside the pre-defined actions* |
| **nil** | *no action required* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **CANRaD Id** |  |  |  |  |  |  |  |  |
|  |  | **A?** |  |  |  |  |  |  |  |  |  |

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| --- |
| **A?** *a code allocated by Telstra to facilitate the identification of an existing designated element, (eg. ‘A102’ - refer to information issued at Level 1)* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Element Make & Model** |  |  |  |  |  |  |  |
|  |  |  | **?** |  |  |  |  |  |  |  |  |

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| --- |
| **?** *for the designated element, the manufacturer’s make and model (eg. HUAWEI ASI4517R1/12)* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Type** |  |  |  |  |  |  |
|  |  |  |  | **???** |  |  |  |  |  |  |  |

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| **???** *a drop-down selection list of sub-sets for the designated element (eg. for designated element* **A** *(antenna) the sub-set includes ‘array, dipole, omni, panel, parabolic’)* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Qty** |  |  |  |  |  |
|  |  |  |  |  | **?** |  |  |  |  |  |  |

|  |
| --- |
| **?** *for the designated element, the total number proposed (eg. 3)* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Per****Ant** |  |  |  |  |
|  |  |  |  |  |  | **?** |  |  |  |  |  |

|  |
| --- |
| **?** *typically for feeders and ancillary devices, the distribution of the designated element to each prime element (eg. distribute 6 feeders between 3 antennae, i.e. 2 feeders per ant(enna))* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | **Hgt m** |  |  |  |
|  |  |  |  |  |  |  | **?** | **C** |  |  |  |

|  |
| --- |
| **?** *in metres, the mounting height of the designated element (eg. 35), and a drop-down list of the method of attachment point onto the structure* |
| **B** | *base / bottom line the height, measured from the ground up to the base / bottom of the element* |
| **C** | *centre line the height, measured from the ground up to the vertical centre of the element* |
| **R** | *rear mounted the junction device is attached to the rear of the parent element* |
| **S** | *structure mounted the junction device is affixed to the supporting structure* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  | **Azi °** |  |  |
|  |  |  |  |  |  |  |  |  | **?** |  |  |

|  |
| --- |
| **?** *measured in degrees, the azimuth is the horizontal angle, clockwise from true North, that the designated element faces (eg. 135)* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Len m** |  |
|  |  |  |  |  |  |  |  |  |  | **?** |  |

|  |
| --- |
| **?** *for feeder cables only, the length between points of connection (eg. 46 )* |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  | **CANRaD Status** |
|  |  |  |  |  |  |  |  |  |  |  | **???** |

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| **???** *a drop-down list to record the current circumstance of the designated element (eg. ‘EXISTING, RESERVED, PROPOSED CREATE, REMOVED’)* |

|  |  |
| --- | --- |
| Comments | **?** |

|  |
| --- |
| *use this field to provide further explanation and particulars to elaborate on the designated elements above* |

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| --- |
| 1. **WITHIN COMPOUND / LEASE AREA**
 |
| 1. ?
 |

|  |
| --- |
| *use this section to describe ground works, including the establishment of an equipment shelter, hut or cabinet; also trenching, electrical works and other processes not related to the structure* |

|  |
| --- |
| *The SOPW below reflects a typical Level 2 submission for a ‘greenfield’ site*  |

|  |
| --- |
| **-+ A SCHEDULE OF WORKS AS PROPOSED BY THE ACCESS SEEKER +-** |
|  |
| **⮋** | **CHECK THE BOX IF THE TELSTRA ASSET IS TO****BE UPGRADED / MODIFIED / AUGMENTED** | **PROVIDE A CONCISE DESCRIPTION HERE, WITH FULL DETAIL & METHOD****OF PROCEDURE TO BE PROVIDED IN THE TENDERED DOCUMENTATION** |
| **☒** | **STRUCTURE ( TOWER, POLE, MAST )***e.g. Pole swapout, strengthening, footing augmentation, new / replacement headframe etc.* | ***Optus ‘faceframe’ to be installed at EL 30m to accommodate proposed panel antennas (3 off) and RRUs (15 off)*** |
| **☐** | **EXCHANGE BUILDING***e.g. Rooftop, exterior wall mounts etc.* |  |
|  |
| 1. **ANTENNAE / ANCILLARIES .LEGEND.** **element type:** **A ANTENNA F FEEDER J JUNCTION DEVICE T TRANSCEIVER** **alignment: B BASE|LINE C CENTRE--LINE R REAR\MOUNTED S |STRUCTURE MOUNTED**
 |
| Action | Telstra internal use onlyCANRaD Id | Element Make & Model | Type | Qty | PerAnt | Hgt **M** | Azi **°** | Len m | Telstra internal use onlyCANRaD ‘Status’ |
| **A** | **new** | **A?****A?****A?** | **HUAWEI ASI4517R1/12** | **panel** | **3** |  | **30** | **C** | **30****140****280** |  | **???** |
| **F** | **new** | **F?****F?****F?** | **H+S MLEH 9/18** | **fibre** | **3** | **1** |  |  |  | **50** | **???** |
| **J** | **new** | **J?, J?****J?, J?****J?, J?** | **TONGYU TYT-C002D031(F1V5)** | **diplex** | **6** | **2** | **30** | **C** | **0** |  | **???** |
| **J** | **new** | **J?****J?****J?** | **COMMSCOPE E11F01P59** | **triplex** | **3** | **1** | **30** | **C** | **0** |  | **???** |
| **T** | **new** | **T?, T?****T?, T?****T?, T?** | **HUAWEI RRU3268** | **rru** | **6** | **2** | **29** | **C** | **0** |  | **???** |
| **T** | **new** | **T?****T?****T?** | **HUAWEI RRU3262** | **rru** | **3** | **1** | **30** | **C** | **0** |  | **???** |
| **T** | **new** | **T?****T?****T?** | **HUAWEI RRU3936** | **rru** | **3** | **1** | **30** | **C** | **0** |  | **???** |
| **T** | **new** | **T?****T?****T?** | **HUAWEI RRU3832** | **rru** | **3** | **1** | **30** | **C** | **0** |  | **???** |
| Comments | **?** |
| **A** | **new** | **A?** | **CERAGON A18D06HS 0.6M** | **parabolic** | **1** |  | **25** | **C** | **232.4** |  | **???** |
| **F** | **new** | **F?** | **ANREW LDF5-50** | **co-ax** | **1** |  |  |  |  | **30** | **???** |
| Comments | **?** |
|  |
| **Telstra internal use only** | **CANRaD ‘Status’ rollover :** | **.L2.** | **dd/mm/yy** | **.L3.** | **dd/mm/yy** | **.L6.** | **dd/mm/yy** |
|  |
| 1. **WITHIN COMPOUND / LEASE AREA**
 |
| 1. ***A 6-bay (2 X 3-bay) ODU is to be installed***
 |

|  |
| --- |
| **-+ A SCHEDULE OF WORKS AS PROPOSED BY THE ACCESS SEEKER +-** |
|  |
| **⮋** | **CHECK THE BOX IF THE TELSTRA ASSET IS TO****BE UPGRADED / MODIFIED / AUGMENTED** | **PROVIDE A CONCISE DESCRIPTION HERE, WITH FULL DETAIL & METHOD****OF PROCEDURE TO BE PROVIDED IN THE TENDERED DOCUMENTATION** |
| **☒** | **STRUCTURE ( TOWER, POLE, MAST )***e.g. Pole swapout, strengthening, footing augmentation, new / replacement headframe etc.* | ***Install new cluster mount at ~23.00m.*** |
| **☐** | **EXCHANGE BUILDING***e.g. Rooftop, exterior wall mounts etc.* |  |
|  |
| 1. **Structure works .LEGEND**  **element:** **A** antenna **F** feeder **J** junction device **T** transceiver **alignment:** **C** CENTRE/LINE **B** BASE/LINE **R** REAR|MOUNTED **S** STRUCTURE|MOUNTED
 |
| **CONSTRUCTOR(S) TAKE NOTE : for HS&E compliance the labelling of all NEW / REPLACEMENT feeder cables MUST align with the CANRaD Id’s allocated in the F rows below** |
|  | **Activity** | **TELSTRA INTERNAL USE ONLY****CANRaD Id** | **Element Make & Model** | **Type** | **Quantity** | **Per****Antenna** | **Height**m | **Bearing**° | **Length**m | **TELSTRA INTERNAL USE ONLY****CANRaD Status** |
| **A** | **recover** | **A13****A14****A15** | **KATHREIN 742 266** | **panel** | **3** |  | **23 C** | **110****210****330** |  | **proposed remove** |
| **F** | **recover** | **F5000A/B – F5007A/B** | **ANDREW VXL5-50** | **fibre** | **18** | **6** |  |  | **32.0** | **proposed remove** |
| **J** | **recover** | **J22****J23****J24** | **COMMSCOPE COMBINING UNIT 7/85 & 9 & 18 & 21/23/26** | **combiner** | **3** | **1** | **23 R** |  |  | **proposed remove** |
|  | **Comments** |  |
| **A** | **new** | **A21****A22****A23** | **TONGYU TQB-D609017/Q172717DER-60F(B1)** | **panel** | **3** |  | **23 C** | **0****155****260** |  | **reserved** |
| **F** | **new** | **F73, F74****F75, F76****F77, F78** | **LS LSGS-13-CX0012-03** | **fibre** | **6** | **2** |  |  | **32.0** | **reserved** |
| **J** | **new** | **J32****J33****J34** | **COMMSCOPE E11F02P18** | **combiner** | **3** | **1** | **23 R** | **0****155****260** |  | **reserved** |
| **J** | **new** | **J35****J36****J37** | **COMMSCOPE E11F02P19** | **combiner** | **3** | **1** | **23 R** | **0****155****260** |  | **reserved** |
| **J** | **new** | **J38, J39****J40, J41****J42, J43** | **COMMSCOPE E11F05P82** | **combiner** | **6** | **2** | **23 R** | **0****155****260** |  | **reserved** |
| **J** | **new** | **J44, J45****J46, J47****J48, J49** | **COMMSCOPE E15V90P43** | **combiner** | **6** | **2** | **23 R** | **0****155****260** |  | **reserved** |
| **J** | **new** | **J50, J51****J52, J53****J54, J55** | **LS CABLE AND SYSTEM LSGS-13-CX0016** | **breakout box** | **6** | **2** | **23 R** | **0****155****260** |  | **reserved** |
| **T** | **new** | **T22, T25****T26, T29****T30, T33** | **HUAWEI RRU3936** | **rru** | **12** | **4** | **23 R** | **0****155****260** |  | **reserved** |
| **T** | **new** | **T19, T37****T20, 38****T21,T39** | **HUAWEI RRU3832** | **rru** | **6** | **1** | **23 R** | **0****155****260** |  | **reserved** |
| **T** | **new** | **T40****T41****T42** | **HUAWEI RRU3953** | **rru** | **3** | **1** | **23 R** | **0****155****260** |  | **reserved** |
| **T** | **new** | **T46****T47****T48** | **HUAWEI RRU3256** | **rru** | **3** | **1** | **23 R** | **0****155****260** |  | **reserved** |
|  | **Comments** | * *Install 3No. eJV 10-Port Antennas, 18 No. RRUs, 12 No. Combiners and 6 No. Break-Out Boxes on new cluster mount at ~23.00m.*
* *Install 6No. hybrid-fibre feeder cables internally within Telstra monopole.*
 |
| **TELSTRA INTERNAL USE ONLYDate when the CANRaD Status was advanced** | **L2** | **17/6/16** | **L3** | **dd/mm/yy** | **L6** | **dd/mm/yy** |
|  |
| ***ii.* Associated works SAMPLE GROUND WORKS PROVIDED BELOW ~ ADD / DELETE / REVISE AS REQUIRED** |
| 1. Relocation of all VHA proposed equipment onto new cluster mount secured to proposed monopole extension at 23m.
2. Proposed new VHA 450mm wide cable ladder with support posts to run between existing Telstra monopole and existing VHA equipment shelter.
3. Feeder cables to run within existing cable ladder then internally within the Telstra monopole and exit in a new port at the top of the tower.
 |