**Rack & Power Requirements**

Please nominate which section/s have been completed:

Section A [ ]  - Rack, AC and/or DC Power Deployment Requirements

Section B [ ]  - Decommission and/or Recovery

This document must be completed whenever there is a requirement to **INSTALL, AUGMENT, DECOMMISSION or RECOVER,** **RACK/s, SUB RACK/s or POWER REQUIREMENTS** located within a Telstra Network Exchange Building including Access Seeker POI rooms. Provide the requested information within this form and include supporting documentation with your submission.

**Level 2 AIP**: This completed form must be incorporated into the Level 2 submissions pack. Refer to Level 3 D&CP for additional AC power requirements.

**Level 3 D&CP**: For an AC requirement (i.e. Access Seeker dedicated power system) this form is to be included with the Level 3 D&CP application data pack and a current Power Viability Audit (PVA).

**Incomplete documents will be returned.**

# Section A: Rack, AC and/or DC Power Deployment Requirements

As per Telstra deployment standard 007338 C12-10 all equipment which carries network traffic shall operate from 48V D.C and must support connection to dual power distribution.

Deployment of access seeker Telepower equipment is a non-preferred alternative to Telstra Telepower. The proposal for this deployment must include a current Power Viability Audit (PVA), Single Line Diagram (SLD) with internal earthing and connectivity and is to include information as detailed on Page 4.

**Note:** the processing / assessment of a Request for Exemptionmay take up to **10 business days**.

All Electrical work must comply with Telstra’s power and earthing standard (refer to ‘Power and Earthing at Shared Sites-C0403 located at <http://telstrawholesale.com.au/download/document/power-earthing-1.pdf>**)**

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| **NATURE OF REQUEST** |
| Click Here To Choose Item From List. |

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| **TELSTRA NETWORK SITE DETAILS** |
| Site name: | e.g. Footscray Exchange | Floor: | e.g. GD, 1 |
| Site Address: | Street number, street name and suburb | State: | e.g. NSW |
| NSA Number: | e.g. 1234567 | Site Share Order Number: | e.g. XX1234 |

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| **DECOMMISSIONING** |
| Will this request result in Redundant Access Seeker Equipment?  | [ ]  YES [ ]  NO | < If YES: "Access Seeker Decommission / Recovery" Section B is to be completed. |

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| **AC EQUIPMENT WITHIN TELSTRA NETWORK BUILDING** |
| Date Required: (Date equipment connected to power) | Click here |
| Network Equipment: | Proposed equipment to be installed i.e. Mobile, Radio |
| Does this equipment Impact Telstra's Network Traffic? | [ ]  YES [ ]  NO |
| Do you require single or three phase AC? |  Click here |
| Total AC Amps Per Phase (A): | Click here to enter Amps per plane.A | < AC load required as part of this deployment. Any additional load above this figure will require a new power request through Telstra Wholesale. |
| If AC Diversity (Dual Plane A and B feeds) and/or an Uninterruptable AC power supply is required, the Access Seeker is to investigate suitable solutions at their own cost. The placement of additional power generation equipment is to be included in this application and is subject to review and assessment. |
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| **DC EQUIPMENT WITHIN TELSTRA NETWORK BUILDING** |
| Date Required: (Date equipment connected to power) | Click here |
| Network Equipment: | Proposed equipment to be installed i.e. Mobile, Radio |
| Does this equipment Impact Telstra's Network Traffic? | [ ]  YES [ ]  NO |
| Total Required DC Load (kW): | DC Load | < DC load required as part of this deployment. Additional loads above this figure at a later date will require a new power application. |
| Is DC Diversity Required? i.e. YES – Dual Plane (A and B feeds), NO – Single Plane | [ ]  YES [ ]  NO |
| **INDIVIDUAL RACK DETAILS –** Recommended max. allowable CB rating of 32A per rack per plane(Additional rack details table below “ATTACHMENT 1 – ADDITIONAL RACK(S)”) |

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| --- | --- | --- | --- | --- |
| **New or Existing** | **Rack Description/Type**  | **AC (A)/DC (kW) Load**  | **Rack Size** | **Rack Weight (kg)** |
|  e.g. New | e.g. BTS rack | e.g. 0.542 kW | e.g. 600 x 600 mm. | e.g. 100 kg. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |

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| **EQUIPMENT & RACK LAYOUT DRAWING** |
| Cooling Criteria/Environment: i.e. H1, H2 | Choose an item. |
| Cooling Method (Front to Rear cooling not supported) | **FRONT to TOP** |
| Rack(s) Access | Choose an item. |
| Rack/s Required To Be Contiguous (next to each other)? | [ ]  YES [ ]  NO |
| Requested Rack Position/s: (Suite #, Position #) | Suite # | e.g. 1-2, 1A-B |
| Position(s) # | e.g. 1, 2-4 |
| Average Weight Per Rack: (Combined Rack weights / No. of Racks) | e.g. 150kg |

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| **Rack floor layout to be included with all Level 2 AIP Applications.** |
| *Floor layout to be included with the Level 2 AIP and Level 3 D&CP applications as an email attachment. Floor layouts at Level 3 should include rack size and location, relevant cable and cable tray paths, proposed new superstructure installations.* |

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| **Additional Notes** |
| Enter additional notes here |

**ATTACHMENT 1 – ADDITIONAL RACK(S)**

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| **INDIVIDUAL RACK DETAILS - –** Recommended max. allowable CB rating of 32A per rack per plane |

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| **New or Existing** | **Rack Description/Type**  | **AC (A)/DC (kW) Load** | **Rack Size** | **Rack Weight (kg)** |
|  e.g. New | e.g. BTS rack | e.g. 0.542 kW | e.g. 600 x 600 mm. | e.g. 100 kg. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |

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| **EXEMPTION REQUEST TO DEPLOY A.C POWERED EQUIPMENT** |

Deployment of access seeker Telepower equipment (Rectifier) and data carrying equipment in a single rack is **not** a preferred solution and will be subject to approval~~,~~ by exemption~~,~~ on a case by case basis. A request for exemption to deploy A.C. powered equipment is to be submitted with a Level 3 applications and must include the following;

Justification letters accompanying Exemption Requests shall include the following additional information:

1. Details of what action has been taken to source D.C powered technology both when the technology was first selected as well as for the current deployment. *This information must be endorsed by a Project Manager or above responsible for the technology selection\**

Further, the following information shall be provided in support of the above details:

* Written confirmation from the infrastructure vendor that no D.C power infrastructure of the equivalent functionality exists. *This information must be endorsed by a Project Manager or above responsible for the technology selection\**
* Written confirmation from a Director or above that no alternative D.C powered Network solution exists (including options of using alternative Infrastructure). *This information must be endorsed by a Project Manager or above responsible for the technology selection\**
1. Details of whether the proposed deployment is a single action or whether the deployment will be augmented. *This information must be endorsed by a Project Manager or above responsible for the technology selection\**
2. If the deployment is to be augmented or is ongoing, details of the strategy to migrate to D.C powered infrastructure (e.g.: details of inclusion of D.C powered equipment in the Vendor’s Technology Roadmap) and when this will occur. *This information must be endorsed by a Project Manager or above responsible for the technology selection\**
3. Details of the A.C power topology proposed (e.g.: single/dual corded supply, no-break supply), the amount of power required and confirmation of its power availability from the relevant Area Planner.
4. Details of additional power infrastructure required to support the proposed deployment.
5. Details of the proposed Network equipment concerned and the location of the infrastructure including site name, floor (where applicable), suite and rack numbers.
6. A specific identifier for the deployment of the infrastructure concerned such as a Project ID or similar.
7. Depending on the specific circumstances of the request and the information provided as detailed above, additional information may also be required by the Network Standards & Compliance assessor of the request.

*\* Regarding Items requiring Project Manager or above (someone with Authority) Endorsement; evidence must be provided to demonstrate that Project Manager or above (someone with Authority) has been provided all information as specified by the Items. An email simply requesting approval does not meet the requirements of this clause.*

# Section B: Decommission and/or Recovery

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| **NATURE OF REQUEST** |
| Click Here To Choose Item From List.  |

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| **TELSTRA NETWORK SITE DETAILS** |
| Site name: | e.g. Footscray Exchange | Floor: | e.g. GD, 1 |
| Site Address: | Street number, street name and suburb | State: | i.e. NSW |
| NSA Number: | e.g. 1234567 | Site Share Order Number: | e.g. XX1234 |

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| **DECOMMISSION AND RECOVERY OF EQUIPMENT WITHIN TELSTRA NETWORK BUILDING** |
| Requested Rack Position/s: (Suite #, Position #) | Suite # | e.g. 1-2, 1A-B |
| Position(s) # | e.g. 1, 2-4 |
| Decom Scheduled Date: | Click here to enter a date. |
| Network Equipment: | Proposed equipment to be installed i.e. Mobile, Radio |
| Total AC Amps Per Phase (A) Being Recovered: (if applicable) | Click here to enter text.A |
| Total DC Load (kW) Being Recovered: (if applicable) | Click here to enter text.kW |
| Average DC Heat Load (W) Per Rack: (if applicable) | Click here to enter text.W |

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| **INDIVIDUAL RACK DETAILS** |

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| **New or Existing** | **Rack Description/Type**  | **AC (A)/DC (kW) Load** | **Rack Size** | **Rack Weight (kg)** |
|  e.g. New | e.g. BTS rack | e.g. 0.542 kW | e.g. 600 x 600 mm. | e.g. 100 kg. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |
|  e.g. New | Click here to enter text. | Click here to enter text. | Choose a rack size. | Click here to enter text. |

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| **Rack floor layout to be included with all Level 2 AIP Applications.** |
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| **Additional Notes** |
| Enter additional notes here |