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| **NSW TELCO AUTHORITY (NSWTA) – CCEP PROJECT GRN MOBILE ASSET REQUEST****(Email to**  **GRN Helpdesk )** **helpdesk@radnet.nsw.gov.au** |
| **Applicant Details** |
| **Applicants Name:** |  | **Mobile:**  |  |
| **Company Name:** |  | **NSWTA Project:**  |  |
| **Applicants Email:** |  |
| **NSWTA PM:** |  | **Mobile:** |  |
| **Site Details** |
| **Site name:** |  |
| **Site location:** |  |
| **Site users:** (Impacted) | [ ]  FRNSW [ ]  NSWA [ ]  NSWPF [ ]  NSWRFS [ ]  NSWSES [ ]  GRN |
|  |  |
| **Mobile Asset Requirements** |
| **Date required**  |  | **Duration (Days)**  |  |
| **Equipment Impact**  | [ ]  Radio [ ]  Transmission  |
| **Mast Required**  | [ ]  Yes [ ]  No  |
| **Primary Power Source**  | [ ]  AC Power Outlets [ ]  Diesel Generator  |
| **Proposed location**  | [ ]  Within Compound [ ]  Outside Compound |
| **Site Owner Approval**  | [ ]  Yes [ ]  N/A (if on 3rd Party owned/ leased land / Council land exc. A Copy of the approval must be provided) |
| **Security fencing** | [ ]  Yes [ ]  N/A (If Mobile Asset (MRA) is located outside the compound and in an area accessed by public or livestock. The Contractor is to provide temporary security fencing around the MRA) |
| **Northern sky visible to Optus D1 & D3 satellites** | [ ]  Yes [ ]  N/A (Needs to be yes if satellite backhaul required ) |
| **Telstra LTE or 3G coverage** | [ ]  Yes [ ]  No (BAI to confirm suitable) |
| **Use the existing site’s backhaul service** | [ ]  Yes, extend cable [ ]  Yes, migrate NTU [ ]  No (Required if satellite and LTE is not suitable) |
| **Description of works:**  |  |
| **Deliverables** | Provided  |
| Location of Mobile Asset & FC drawings  | Minimum – Redline marked up drawing - Full set of FC drawings - Ground to be relatively flat. | [ ]  Yes |
| MOPMethod of Procedure  | Detailing interface for BAI and Contractor – Description of works to be carried out on site by BAI and Contractor  | [ ]  Yes |
| Photos  | Photos and/or google earth images of the proposed asset location. Please provide dimensions of the area available for the MRA. | [ ]  Yes |
| AC Power outlets  | Confirm power outlets are to be installed on the shelter as per requirement – Appendix A – Confirm which asset to be used with BAI once scheduling is locked in. | [ ]  Yes [ ]  N/A |
| Site Owner Approval | Based on Asset location - copy of site owners’ approval  | [ ]  Yes [ ]  N/A  |
| Coverage Plots  | To be provided when the temp antenna is placed at a lower height than the current antenna (Request to NSW TA RF Engineer) | [ ]  Yes [ ]  N/A |
| Cabling connection from shelter to asset | Confirm all required RF feeders and backhaul connections will be extended to mobile asset. Power will be within 10m of the mobile asset. | [ ]  Yes [ ]  N/A |

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| **BAI Verification & Signoff**  |
|  | **Signoff will be via CAB process** |
| **NSW TELCO AUTHORITY (NSWTA) – Network Operations Signoff**  |
|  | **Signoff will be via CAB process** |

**Appendix A**

Recommendation as per below.

**Power Type A: The following provides sufficient GPOS for**:

* CoW3-197
* CoW4-196
* CoW5-195
* Tactical Trailer I
* Tactical Trailer II

Install **2** (two) x 15A temporary GPOs anywhere to suit CoW.

* This should be made suitable for re-use at other capacity expansion sites requiring CoW
* As temporary measure only, cable ‘load-side’ of main CB in external switchboard
* Use 6sqmm 2C+E cable (orange circular)
* Build a 3x2 Clipsal 56series backmount module (Clipsal 56E6), with
	+ 2 x 15A switch GPOs (Clipsal 56C315).
	+ CB module (Clipsal 56CB4)
	+ 2 x 16A CB (1 per GPO)
	+ Reusable for all sites.

**Power Type B: The following provides sufficient GPOs for**:

* CoW1-199
* CoW6 -1109
* CoW7
* CoW8
* CoW9
* CoW10

Install **1** (one) x 32A Single-Phase temporary GPOs anywhere to suit CoW.

* Switched Socket Outlet, 250V, 32A, 3 Round Pin, IP66, 1 Pole - Catalogue Number: 56C332

**Power Type C: The following provides sufficient GPOs for**:

* CoW2-198

Install **1** (one) x 20A Single-Phase temporary GPOs anywhere to suit CoW.

* Clipsal Easy56 Round 3 Pin 20A Switched Socket - EY56C320

**External Generator:**

If it is determined that a Telco backup portable generator is required, a 10A GPO is required to float charge the starter battery in addition the requirements above. (Clipsal 56C310 or Clipsal 56C315)

SKU: CEY56C320

**Appendix B**

Cabling recommendation as per below.

* RF cable extensions
	+ To be presented with N-Type male connectors.
	+ Note that 12 channel mobile assets will require 3 antennas. Please confirm with BAI
* Extend backhaul service to the mobile asset
	+ Type 1: Extend cable from Service Provider NTU to Mobile Asset router
		- Single mode optical fibre with LC connector at router
		- Cat5e/Cat6 with RJ45 connector at router (less than 100meter cable run)
			* Cat5e/Cat6 cables will need to connect to a RJ45 through connector at the gland plate
		- NTU must be supported by backup power for the duration of the deployment.
	+ Type 2: Migrate Service Provider NTU equipment to Mobile Asset
		- Service provider to extend their network cabling to the mobile asset
			* Microwave radio feeders will need to connect to an n-type female bullet at the gland plate
			* Cat5e/Cat6 cables will need to connect to a RJ45 through connector at the gland plate
		- NTU will need to be powered using
			* 10amp AC GPO, or
			* 10amp circuit breaker in a -48vDC power system

**Appendix C**

Standard RAIC for CCEP site builds. Please call out any concerns or issues.

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| **Mobile Radio Asset (MRA) deployment on site**  | **RACI** |
| **Item No.** | **Activity** | **BAI** | **MOTO** | **TA** |
|  | **Pre-MA Deployment** |  |  |  |
| A1 | Meeting between D&C contractor & BAI to define scope and Mobile Assets Requirements  | A | R | C |
| A2 | Define the size (No. of Channels), quantity and rules associated with the utilisation of MA's for the project. | C | I | R,A |
| A3 | Where MA is to be deployed with mast need to confirm temp coverage acceptable from coverage plots. There are to be no obstructions at the height of the mast - eg watertanks- large trees  | A,C | I | R |
| A4 | Complete Mobile Asset Request form  | C | R |   |
| A5 | Provide confirmation of landowner’s approval to put MRA on site. | C | R |   |
| A6 | Provide all request form deliverables and submit to BAI with the Form  | C | R |   |
| A7 | Determination of the Method of Procedure (MOP) for construction of the site. | C | R,A | I |
| A8 | Complete and Submit a MRA Request Form to support the construction schedule. | C | R,A | I |
| A9 | NSWTA Operations Review submission and Approval for the request ( Mobile Request Form -NSWTA section)  |   | I | R |
| A10 | Review and respond to the MA Request Form. Site Inspection to be carried out if required Response - Accepted for CAB Submission  | R,A | I | I |
| A11 | NSWTA Operations Approval for the request via CAB process | A | C | R |
| A12 | Complete all necessary site Inductions to support the installation, operation and maintenance of the MA. Including GRN, Whitecard, Motorola Solution Project induction, Site Induction | R,A | C,I |   |
| A13 | Submit all induction certificates to the Construction Contractor. | R,A | I |   |
| A14 | Review and accept MA deployment Safe Work Method Statement (SWMS) | C | I | R,A |
| A15 | Submit MA Maintenance records to the Construction Contractor prior to deployment. | R,A | I |   |
|  | **MA Deployment** |  |  |  |
| B1 | Provide the Mobile Assets as per agreement - This will Stand Alone MA (Mast, generator & transmission as required ) | R,A | C |   |
| B2 | Ensure the following items are available with the MA equipment trailer and are current.\* Fire extinguisher \* Spill kit\* Electrical testing and tagging \* Generator fuel level\* Documents kept with MA - Emergency response procedure, Maintenances records, SWMS and Safety Data Sheet (Diesel) | R,A | I |   |
| B3 | Supply & Installation of AC Power - GPO outlets | C | R,A |   |
| B4 | Supply and install feeder tails to reach the MA (where existing feeders and antenna are to be used ) - Includes all scope to connect the feeder tails to the feeders ready for connection at both ends  | C | R,A |   |
| B5 | Supply and install new temp feeder and antenna to reach the MA (where existing infrastructure or Mast is not suitable)  | C | R,A |   |
| B6 | Transport of mobile asset to site  | R, A | C |   |
| B7 | Transport of generator to site (if required)  | R, A | C |   |
| B8 | Deployment of mobile asset and Generator (If required)  | R, A | C |   |
| B9 | Supply and install temp fencing  | C, | R,A |   |
| B10 | Connection of Mobile asset to shelter power outlets  | R, A | C |   |
| B11 | BAI need to brief nominated site supervisor on MA equipment - Emergency response process, Fire extinguisher and spill kits locations  | R,A | I |   |
| B12 | Coordination with GRN NOCC for changeover  | R,A | C |   |
| B13 | Redirection of Feeders to Mobile Asset  | C, | R, A |   |
| B14 | Connection of feeders to the MA  | R,A | C |   |
| B15 | Backhaul relocation to MA (POI or CS) Temporary ethernet tail from Shelter to MA  | C, | R. A |   |
| B16 | Backhaul connection of the POI and CS into the MA  | C, | R. A | C |
| B17 | Integration of mobile asset  | R,A | C | C |
| B18 | Power down GRN site  | R,A | I | C |
| B19 | Define the cut-over schedule for the site and keep all parties duly informed. | I,C | R,A | I |
|  | **MA Recovery** |  |  |  |
| C1 | Site Operational Acceptance completed | R,A | I | C |
| C2 | RFC for Mobile Asset shutdown and cutover  | C | R, A |   |
| C3 | Coordinate cut-over activities for the MA back to the existing site. | A, R | R | I |
| C4 | Mobile Asset power down  | R,A | C |   |
| C5 | Redirecting and connection of Feeders to new equipment  | C | R |   |
| C6 | Confirm all testing is accepted and site is operational. Major failure may require a rollback | C | R | C |
| C7 | Removal & Recovery of Mobile Asset & Generator (if required) | R,A | I | C |
| C8 | Recovery of temp fencing  |   | A,R |   |
| C9 | Backhaul relocation to permanent location  | C | A,R | C |

**Definitions of the RACI Categories:**

**R**esponsible:  person who performs an activity or does the work.
**A**ccountable:  person who is ultimately accountable and has Yes/No/Veto.
**C**onsulted:  person that needs to feedback and contribute to the activity.
**I**nformed:  person that needs to know of the decision or action.