



Site Specific Obligations on Carriers – Section 5

EME Precautionary Approach Checklist

5.2 Application of Precautionary Approach to Infrastructure Design – EME Precautionary Approach Checklist		
Section No	ACIF Code Requirement For each site the Carrier have regard to:	Comments
5.2.3 (a)	The reason for the installation of the infrastructure considering – coverage, capacity and quality	The intention of this new Network of sites is to provide the latest 3G coverage and services being introduced by 3GIS across Canberra.
5.2.3 (b)	The positioning of antennas to minimise obstruction of radio signals.	Antennas and associated equipment have been configured and optimised to ensure that no obstruction or interference of radio signals.
5.2.3 (c)	The objective of restricting access to areas where RF exposure may exceed limits of the EMR standard.	All facilities are designed and will be installed to restrict public access to any areas that exceed the general public EME exposure limits. Appropriate protocols and work practices will be established to ensure that any maintenance staff who work in close proximity to antennas remain outside the general public exclusion zone.
5.2.3 (d)	The type and features of the infrastructure that are required to meet service needs including: (i) the need for macro, micro or pico cells; and (ii) the need for directional or non-directional antennas	All facilities consist of macro cells utilising directional antennas to meet the objectives outlined in Section No 5.2.3 (a).
5.2.3 (e)	The objective of minimising power whilst meeting service objectives.	The transmit power settings of all facilities have been set to accomplish the desired coverage, capacity and call quality within the areas listed in 5.2.3 (a). The Over the Air specifications provide for the ability for the facility to reduce the transmitting power to each user based on the radio environment.
5.2.3 (f)	Whether the costs of achieving this objective are	3GIS has undertaken preliminary costing of this facility and are of the



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	reasonable.	opinion these costs are reasonable.
5.2.5	If the radiocommunications infrastructure is associated with a base station used for the supply of public mobile telecommunications services, site EMR assessments must be made in accordance with the ARPANSA prediction methodology and report format.	EMR assessment in accordance with ARPANSA standards have been completed and are provided in the individual site detail information at Section 2 of the Network Plan document.