TELECOMMUNICATIONS FACILITIES

RMA #:       Planner:

Address:       Zone:

Proposal:

*This checksheet covers the* [*NES for Telecommunications Facilities*](http://www.legislation.govt.nz/regulation/public/2016/0281/latest/DLM6697001.html?search=ts_act%40bill%40regulation%40deemedreg_national+environmental+standards_resel_25_a&p=1) *(as amended on 1 January 2017), and the utility rules in Chapter 11 of the District Plan.*

|  |  |  |  |
| --- | --- | --- | --- |
| Y | N | SITE CHARACTERISTICS | Comments |
|  |  | Heritage item on or adjacent to site |  |
|  |  | Protected tree on or adjacent to site (incl public realm tree) |  |
|  |  | Designation |  |
|  |  | Flood Management Area |  |
|  |  | Liquefaction or Slope Instability Management Area |  |
|  |  | Electricity Transmission Line Corridor |  |
|  |  | Overlay areas – other |  |
|  |  | Airport noise contours or approach slopes |  |
|  |  | Waterway |  |
|  |  | Character Area Overlay / Visual amenity / natural feature or landscape |  |
|  |  | Coastal Marine Area |  |
|  |  | HAIL site |  |

| **NES REGULATIONS APPLICABLE TO ALL FACILITIES** | | | | |
| --- | --- | --- | --- | --- |
| Compliance | | | Regulation | Comments |
| Y | N | N/A |
| **Regs 44 – 52: District & regional rules for special places** | | | | |
|  |  |  | (44) Within dripline of a tree/other vegetation in road reserve. Must comply with Plan’s rules on tree protection. |  |
|  |  |  | (45) Significant trees – must comply with tree protection rules if within dripline of a tree/group of trees protected in the Plan. |  |
|  |  |  | (46) Historic heritage items - must comply with Plan’s heritage rules if carried out at a listed place. |  |
|  |  |  | (47) Visual amenity landscapes – must comply with Plan’s visual amenity landscape rules. |  |
|  |  |  | (48) & (49) Indigenous veg & fauna habitats – must comply with Plan’s significant vegetation & fauna rules. |  |
|  |  |  | (49) Outstanding natural features/landscapes – must comply with relevant Plan rules. |  |
|  |  |  | (50) Coastal marine area – must comply with Plan’s coastal protection rules. |  |
|  |  |  | (51) Rivers and lakes – must comply with regional rules if over a river or lake. |  |
| **Regs 53 & 54 – Earthworks** | | | | |
|  |  |  | Applies to antennas on new and existing poles with antennas on land other than road reserve.   * ‘Special place earthworks’ (Regs 45 – 51) must be carried out in accordance with district plan rules * Rural earthworks must not exceed 450m3 and an earthworks management plan must be submitted before earthworks commence. |  |
|  |  |  | Regional earthworks rules must be complied with. |  |
| **Reg 55 - Radiofrequency fields generated** *Non-complying activity if this reg not met)* | | | | |
|  |  |  | Must comply with NZS 2772.1:1999 reference levels for general public exposure. |  |
|  |  |  | Written notice of location of facility and a pre-commencement report provided which takes account of exposures from other t/c facilities in the vicinity, and predicts compliance with NZS in places reasonably accessible to the general public. |  |
|  |  |  | Post-commencement report required where RF levels in areas reasonably accessible to the general public will exceed 25% of maximum levels in NZS. Report to be provided within 3 months of facility becoming operational. |  |

| **NES REGULATIONS APPLICABLE TO SPECIFIC TYPES OF FACILITIES** | | | | |
| --- | --- | --- | --- | --- |
| Compliance | | | Regulation | Comments |
| Y | N | N/A |
| **Regs 19-25 – Cabinets** | | | | |
|  |  |  | Cabinet must either not require power, have self-contained power unit, or power supply underground or inside cabinet. |  |
|  |  |  | **Cabinet height**  Road reserve in or adjoining res zone – max 1.8m  Other road reserve – max 2m  Res zone – max 2m  Other zone – max 2.5m |  |
|  |  |  | **Cabinet footprint**  Road reserve in or adjoining res zone – max 1.4m2  Other road reserve – max 2m2  Res zone – max 2m2  Other zone – max 5m |  |
|  |  |  | **Cabinet servicing antenna on building** - height 2m; footprint 2m |  |
|  |  |  | **Cabinets in road reserve**  At least 30m from any other cabinet on same side of road, unless in a group of cabinets.  If in group, each must be 30m from other cabinets outside the group on same side of road, and total footprint max 2m2.  *Group = 2 or more cabinets with max 0.5m separation to nearest cabinet.* |  |
|  |  |  | Cabinet noise – refer limits in Regs 24 and 25 |  |

| Compliance | | | Regulation | Comments |
| --- | --- | --- | --- | --- |
| Y | N | N/A |
| **Regs 26 & 27 – Antennas on existing pole with antenna, in road reserve**  *Pole can remain in original location, be relocated, or replaced by new pole.* | | | | |
|  |  |  | Existing pole has existing antennas installed and operated in compliance with Act. |  |
|  |  |  | **Pole location** - if pole is moved or replaced, new location is in road reserve and max 5m from original location. |  |
|  |  |  | **Antenna number** – max 2 dish antennas, or the number previously on the pole if more than 2. |  |
|  |  |  | **Antenna size – non-dish antennas**  If final pole has headframe:   * New antennas - max 0.7m width; * Replacement antenna – must not exceed width of 0.7m or width of replaced antenna if greater.   No headframe – notional envelope for final pole:   * Size of notional envelope of existing pole if > 3.5m length x 0.7m diameter; or * 3.5m length x 0.7m diameter. |  |
|  |  |  | **Antenna size – dish antennas**   * New antennas - max 0.38m diameter and max protrusion distance of 0.6m; * Replacement antenna – must not exceed width of 0.38m or width of replaced antenna if greater; and protrusion distance 0.6m or that of replaced antenna if greater. |  |
|  |  |  | **Pole height** - final pole and all antennas are no more than baseline pole plus 3.5m; or baseline pole and all antennas. |  |
|  |  |  | **Pole width** – final pole width is no more than baseline pole x 1.3 (if antennas attached on baseline date), otherwise x 2. |  |
|  |  |  | **Pole headframe** – if replaced, must not exceed width of replaced headframe. |  |
| **Regs 28 & 29 – Antenna on new pole in road reserve** | | | | |
|  |  |  | Pole is erected for the purpose of installing the antenna(s) and is not replacing an existing pole. |  |
|  |  |  | **Pole location** – must be within 100m of an existing pole in road reserve |  |
|  |  |  | **Antenna number –** max 2 dish antennas |  |
|  |  |  | **Antenna size – non-dish antennas**  Notional envelope max 3.5m length x 0.7m diameter |  |
|  |  |  | **Antenna size – dish antennas**  Max 0.38m diameter and max protrusion distance of 0.6m; |  |
|  |  |  | **Pole height**  If neighbouring pole in only 1 direction along the road reserve – height of neighbouring pole plus 3.5m  If neighbouring poles in 2 or more directions along road reserve, average heights of all neighbouring poles plus 3.5m.  *Neighbouring pole must have been erected first, be max 100m from new pole, and is the nearest pole in that direction in the road reserve.* |  |
|  |  |  | **Pole width**  If neighbouring pole in only 1 direction along the road reserve – width of neighbouring pole x 1.3 (if that pole has antennas attached), otherwise x 2.  If neighbouring poles in 2 or more directions along road reserve, average widths of neighbouring poles x 1.3 (if any have antennas attached), otherwise x 2. |  |
|  |  |  | **Pole headframe** – if replaced must not exceed previous width. |  |
| **Regs 30 & 31 – Antennas on existing pole with antennas, in residential zone (not road reserve)**  *Pole can remain in original location, be relocated, or replaced by new pole.* | | | | |
|  |  |  | Existing pole has existing antennas installed and operated in compliance with Act. |  |
|  |  |  | **Pole location** - if pole is moved or replaced, new location is in residential zone and max 5m from original location. |  |
|  |  |  | **Antenna number** – max 2 dish antennas, or the number previously on the pole if more than 2. |  |
|  |  |  | **Antenna size – non-dish antennas**   * New antennas - max 0.7m width; * Replacement antenna – must not exceed width of 0.7m or width of replaced antenna if greater. |  |
|  |  |  | **Antenna size – dish antennas**   * New antennas - max 0.38m diameter and max protrusion distance of 0.6m; * Replacement antenna – must not exceed width of 0.38m or width of replaced antenna if greater; and protrusion distance 0.6m or that of replaced antenna if greater. |  |
|  |  |  | **Pole height** - final pole and all antennas are no more than baseline pole plus 3.5m; or baseline pole plus all antennas. |  |
|  |  |  | **Pole width** – final pole width is no more than baseline pole x 1.3. |  |
|  |  |  | **Pole headframe**  Only allowed if pole already had a headframe  If width greater than 6m, replacement must not exceed that width. If width less than 6m, replacement must not exceed the lesser of 6m and double the width of the headframe on baseline date. |  |
| **Regs 32 & 33 – Antenna on existing poles with antennas not in residential zone (not in road reserve)**  *Pole can remain in original location, be relocated, or replaced by new pole.* | | | | |
|  |  |  | Existing pole has existing antennas installed and operated in compliance with Act. |  |
|  |  |  | **Pole location** - if pole is moved or replaced, new location is in residential zone and max 5m from original location. |  |
|  |  |  | **Antenna size – panel antennas**   * New antennas - max 0.7m width; * Replacement antenna – must not exceed width of 0.7m or width of replaced antenna if greater. |  |
|  |  |  | **Antenna size – dish antennas**   * New antennas - max 1.2m diameter & max protrusion of 0.6m; * Replacement antenna – width must not exceed 1.2m or previous antenna width if greater; max protrusion distance 0.6m or previous protrusion distance if greater. |  |
|  |  |  | **Pole height of final pole plus antennas**  If pole was installed without RC - max height is lesser of 25m, and height of baseline pole & antennas plus permitted height increase.  If installed with RC, height of baseline pole & antennas plus permitted height increase.  *Permitted height increase* is 3.5m if same operator for all antennas, otherwise 5m. |  |
|  |  |  | **Pole width**  If final pole is in rural zone:   * Width of baseline pole if more than 6m; or * Lesser of 6m and width of pole x 2 (if number of antennas will increase), otherwise x 1.3.   If final pole not in rural zone:   * Width of baseline pole x 2 (if number of antennas will increase), otherwise x 1.3. |  |
|  |  |  | **Pole headframe**  If existing headframe width greater than 6m, replacement must not exceed that width, otherwise 6m. |  |
| **Regs 34 & 35 – Antenna on new pole in rural zone (not in road reserve)** | | | | |
|  |  |  | Pole is erected for the purpose of installing the antenna(s) and is not replacing an existing pole. |  |
|  |  |  | **Pole location** – at least 50m from any building used for residential or education purposes |  |
|  |  |  | **Antenna size**  Panel antenna – max width 0.7m  Dish antenna – max diameter 1.2m |  |
|  |  |  | **Pole height** - max 25m for pole plus antennas |  |
|  |  |  | **Pole width** – max 6m |  |
|  |  |  | **Pole headframe** – max 6m |  |
| **Regs 36 & 37 – Antennas on buildings** | | | | |
|  |  |  | **Antenna size**  Panel antenna – max area 1.5m2  Dish antenna – max diameter 1.2m |  |
|  |  |  | **Attachment rules**  If attached to vertical surface – top of antenna is max 5m above top of surface directly above attachment point.  Otherwise max 5m above attachment point. |  |

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| **Activity Status under NES (Regs 10-17)** |
| Permitted - complies with all relevant regulationss  Non-complying - if does not comply with Reg 55 re RF emissions, or if any other regs not met and activity is non-complying under District Plan\*  Controlled - if does not comply with other relevant regs and is permitted or controlled under the District Plan\*  Restricted Discretionary - if does not comply with other relevant regs and is RDA under the District Plan\*  Discretionary - if does not comply with other relevant regs and is discretionary under the District Plan\*  *\* See below for status under the District Plan, if required* |

| DISTRICT PLAN RULES | | | | | |
| --- | --- | --- | --- | --- | --- |
| *Relevant for determining activity status under NES if facility doesn’t comply with NES regulations* | | | | | |
| Compliance | | | Rule | | Comments |
| Y | N | N/A |  | |  |
|  |  |  | **11.4.1 P4 Utility cabinets**   * Max height 2m and floor area 2m2 | |  |
|  |  |  | **11.4.1 P9 Relocation of utilities**   * Max horizontal distance of 2m except for road widening or safety reasons | |  |
|  |  |  | **11.4.1 P10 Replacement of mast**   * Max twice diameter * Max height is that of replaced mast or zone building height, whichever is greatest * Replaced mast must be removed | |  |
|  |  |  | **11.4.1 P11 Addition to mast**   * Max twice diameter * Max height is that of existing mast or zone building height, whichever is greatest | |  |
|  |  |  | **11.7.1 P1 - Freestanding communication facilities**   * Max height 20-40m depending on zone * Headframe max 6m diameter * Dish antenna must be less than 1.8m diameter in Ind, Comm or Rural zone, and less than 0.8m in other zones. * Other antennas max surface area 1.5m2 | |  |
|  |  |  | **11.7.1 P2 Communication facilities attached to buildings**   * Dish antenna must be less than 1.8m diameter in Ind, Comm or Rural zone, and less than 0.8m in other zones * Other antennas max surface area 1.5m2 * Max antenna height of 3m above zone height limit or point of attachment, whichever is greater | |  |
| **Activity Status under District Plan** | | | | | |
| Permitted  Restricted discretionary | | | | Discretionary  Non-complying | |
| GENERAL COMMENTS: | | | | | |
|  | | | | | |