ComNet Ericsson
CRITICAL RADIO SYSTEMS

January 9, 2001

Federal Communications Commissions
Authorization & Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

Attention: Equipment Authorization Branch

Subject: Type Acceptance FCC ID: OWDTR-0005-E, Questions from TC 98467.

Com-Net Ericsson seeks to answer questions in the same numerical order given in original email sent by the OET 11/15/2000.

1. The installation and operators manuals have been modified to reflect the changes made by using the limit for uncontrolled exposure along with a statement as to the responsibility of users for the maintenance of the MPE radius with respect to bystanders. The new manual revisions have been uploaded to FCC.

2. MPE limits were calculated using a worst case scenario of a 3dBd gain antenna for vehicular mounts and a 6 dBd gain antenna for desktop basestation (building roof top/tower ) mounts. A maximum power of the radio was found to be 43.8 watts conducted, this value was used in the estimation for MPE radius. The equation found in OET 65, section 2 and equation 4 was used for the estimation. 3 dB was subtracted from the EIRP value to allow for the 50 percent duty cycle for a push-to-talk radio. A work sheet from a “maple” mathematics program was uploaded to clearly show how the computation for MPE radius was performed.

3. A label alerting the user to review the specific operating requirements for satisfying FCC RF exposure limits was uploaded. This label will be place on the microphone cable near the microphone so as to be in plane view for the operator.

4. It was added to the installation manual that no rear deck installation should allow rear-seat passengers within the MPE radius stipulated.

5. The desktop basestation option is briefly discussed as being a typical building roof-top/tower installation. The warning pertaining to the desktop basestation option is included in this section as it may use up to a 6 dBd gain antenna as compared to the 3 dBd gain antenna limit with the vehicular mount option. Training is comprised of warnings and instructions in the manuals and a label on the product as addressed in item 3 above.

6. No longer applicable.

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7. We have applied the typical 50 percent duty cycle factor when calculating the MPE radius. This effectively lowers the EIRP by a factor of 3 dB. See calculation worksheet uploaded to the FCC.

Regards,

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