TENDER CLARIFICATIONS: TENDER FOR THE DESIGN, SUPPLY, INSTALLATION, TESTING, COMMISSIONING, DELIVERY, AND MAINTENANCE OF THREE (3) UNITS OF MOBILE MONITORING SYSTEM (MMS) FOR NATIONAL SPECTRUM MONITORING AND CONTROL CENTER (NASMOC)

Q1. What does SMS mean as mentioned in item 7 (para 5.1), 8 (para 5.2), 8 (para 6.1) and 8 (para 6.2)?

There is a typing error on SMS. It should be MMS as defined at 2.1.5

Q2. Item 14 (para 5.2) and Item 15 (para 6.2) "…..that supports GPRS/HSPA mode for…."

There is a typing error on HSPA. It should be HSDPA as defined at 2.1.8

Q3. How many RMS Fixed Sites are there to be linked with MMS?

14 sites are available for MMS Cyberjaya, 4 sites are available for MMS Miri and 4 sites are available for MMS Sandakan. However 1 to 2 sites are connected to MMS during direction finding.

Q4. What is the brand name and model of the said RMS Fixed Sites?

The brand is TCI and the model is 715 Spectrum Monitoring System

Q5. **What is the name of Software to control the RMS from MMS?**

RMS is controlled by Scorpio Client software from TCI. Tenderer may develop own software to interface with existing RMS.

Additional questions received by direct phone call

Q6 **What kind of receiver will be used as mentioned on paragraph 6.2 in item 19?**

Two receivers will be used as mentioned on same paragraph 6.2 in item 20 and 21. The receivers are;

a) Spectrum analyzer Advantest R3172 (9 kHz to 26.5 GHz)

b) Broadcasting receiver Promax Prolink-4/4C Premium (FM/Analogue TV/DAB/DVB-T/DVB-S/DVB-C)

Q7 **What kind of modulation parameter will be measured on phase (PM) modulation?**

The modulation parameter measurement is mentioned in ITU-R recommendation ITU-SM.328-11

Q8 **What is video recording software as mentioned in paragraph 5.3 in item 8 and paragraph 6.3 in item 8?**

Video recording software will be used to capture real-time spectrum and demodulated audio from MMS software.