Introduction of Image Guided Radiotherapy into Clinical Practice

Appendix I. SELF-ASSESSMENT QUESTIONNAIRE

This questionnaire is associated with a forthcoming IAEA publication and is designed to assist centres that plan to embark on a programme of IGRT to check that they have all the necessary requirements. By the time the first patient is to be imaged with the IGRT system the answers to all the questions should be “Yes”. Where gaps are identified they will need to be corrected.

Name of the Hospital

Address of the Hospital

Name of the main contact person and position covered

E-mail

Phone number

Form completed on date (day/month/year)

1. Does your department meet the requirements for 3-D CRT of the self-assessment questionnaire of IAEA TECDOC 1588 excluding IMRT (questions 1-49)?

◯ Yes ◯ No

2. Have one or more patient groups been identified that would benefit from IGRT?

◯ Yes ◯ No

3. Have all groups of staff had at least one year experience in the planning and delivery of 3-D CRT?

◯ Yes ◯ No

4. Has an IGRT committee including a radiation oncologist, medical physicist and radiation therapist been established to oversee the introduction of IGRT?

◯ Yes ◯ No

5. Are there sufficient radiation oncology, medical physics and radiation therapy staff to ensure that the introduction of IGRT does not compromise other radiotherapy treatment including 3-D CRT?

◯ Yes ◯ No

6. Are there satisfactory service support arrangements to ensure that the IGRT equipment can be maintained at the required level of accuracy?

◯ Yes ◯ No

7. Have all groups of staff had additional education and training in IGRT?

◯ Yes ◯ No

8. Does the department have access to a dose assessment system for IGRT dosimetry?

◯ Yes ◯ No

9. Does the department have QC expertise, methodology, and tools to maintain an IGRT service?

◯ Yes ◯ No

10. Have image acquisition protocols been developed for the anatomical sites to be treated with IGRT?

◯ Yes ◯ No

11. Have IGRT protocols been developed for the anatomical sites to be treated with IGRT?

◯ Yes ◯ No

12. Have tests been carried out to ensure that the record and verify system is capable of supporting IGRT?

◯ Yes ◯ No

13. Have commissioning tests including end-to-end tests been performed to demonstrate IGRT system capability and workflow?

◯ Yes ◯ No

14. Have contingency plans been developed in case of unavailability of IGRT?

◯ Yes ◯ No

15. Additional comments: